

# March 19-22, 1994

Cornell University, Ithaca, New York

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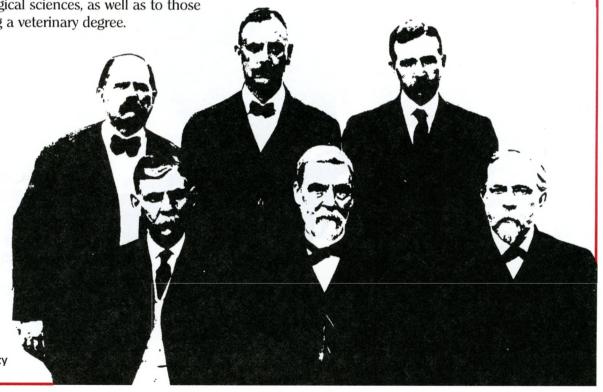
The Centennial Committee, Annual Conference Committee, and the faculty, staff, and students of Cornell's College of Veterinary Medicine invite you to join us in Ithaca for our Centennial Anniversary Celebration, March 19-22, 1994, in conjunction with the 1994 Annual Conference for Veterinarians.

Although the College turns 100 years old on March 21, 1994, veterinary medicine has been taught here since Cornell University was founded in 1868. Ezra Cornell's concern for the health of his own livestock so influenced his vision of "an institution where any person can find instruction in any study" that he insisted on including a veterinarian among the original faculty. In fact, the story of his shouting "Don't forget the horse doctor!" as the university's first president left to recruit faculty in Europe has become a favorite part of university lore.

The famous horse doctor was James Law, a thirtyyear old Scotsman, who was already a well-respected scholar, teacher, and practitioner in England and Scotland. When Cornell opened in the fall of 1868, he taught classes in veterinary medicine and surgery to students who were working toward degrees in agriculture and the biological sciences, as well as to those who were pursuing a veterinary degree. Dr. Law was the first professor of veterinary medicine in the United States, making Cornell the only American university at that time to grant veterinary medicine equal rank with other sciences. Our reputation as one of today's foremost veterinary schools can be traced back to the standards of excellence he established over forty years of teaching, research, and service.

On March 21, 1894, the governor of New York State signed legislation chartering the College of Veterinary Medicine as the first state-supported college at Cornell. It is that anniversary which we celebrate this year.

The conference includes two and a half days of continuing education, and most of the seminars will be presented by College alumni and current or former faculty, residents, and interns. The Centennial Celebration includes a series of three special luncheon programs and a plenary session on *The Practice of Veterinary Medicine in the 21st Century*. Evenings will be reserved for social activities, and the black tieoptional Anniversary Gala Ball on Monday, March 21, will be the highlight of the celebration.



Original College Faculty c. 1908

#### Registration

Registration will be in the Foyer of Schurman Hall. The Hagan Room will serve as our hospitality suite, with coffee service and light refreshments available throughout the conference.

#### **Registration Desk Hours:**

Saturday, March 19	2:00-6:00
Sunday, March 20	7:30-4:00
Monday, March 21	7:30-4:00
Tuesday, March 22	7:30-Noon

#### Facilities

All continuing education seminars will be held at the Veterinary College. The Centennial Luncheons and Plenary Session will be held in the Statler Hotel Carrier Ballroom and Alice Statler Auditorium. The Anniversary Gala Ball on Monday evening, March 21, will be held in Barton Hall.

#### **Parking & Transportation**

Parking on the Cornell campus is free on Saturday and Sunday. Visitor parking permits are required for those who wish to park on campus on Monday and Tuesday. If you need a permit, please check the appropriate box on the registration form. Parking permits will be mailed to all participants whose registrations are received by March 11.

Parking will be available near the Veterinary College in the BTI Lot. Overnight guests at the Statler Hotel may park in the hotel parking lot (a daily fee is charged). Since parking spaces are limited, we strongly urge the use of car pools from motels and hotels to the campus.

Free shuttle bus service between the programs at the Veterinary College and the Statler Hotel will be provided on Sunday and Tuesday from 11:45 a.m. to 2:30 p.m., and on Monday between 11:45 a.m. and 5:30 p.m.

#### Meeting Notes

#### Name Badges

Ushers will request all people entering continuing education seminars and Centennial programs to display conference name badges. Admission to each program 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 for all programs will be limited to the seating capacity of the room.

#### Messages

The Registration Desk phone number is (607) 253-3200. Except in the case of an emergency, seminars will not be interrupted to call participants to meet visitors or answer phone calls. Messages will be posted near the registration desk.



#### **Hotels & Lodging**

Please make your arrangements directly with the hotel or motel of your choice. Blocks of rooms have been set aside for conference participants at the following hotels. Please mention the Veterinary College when calling to book a room.

**Best Western University Inn**, East Hill Plaza - (607) 272-6100 **Holiday Inn**, 222 South Cayuga Street - (607) 272-1000 or (800) 753-8485

Howard Johnson's Motor Lodge, N. Triphammer Road (at Route 13) (607) 257-1212 **Ramada Inn**, N. Triphammer Road (at Route 13) - (607) 257-3100 **Sheraton Motor Inn**, N. Triphammer Road (at Route 13) - (607) 257-2000 or (800) 257-6992 **Statler Hotel**, Cornell Campus - (607) 257-2500 or (800) 541-2501

## Other hotels in the Ithaca area include:

Collegetown Motor Lodge, 312 College Avenue - (607) 273-3542 or (800) 745-3542 Econo Lodge, N. Triphammer Road -(607) 257-1400 or (800) 446-6900 Hillside Inn, 518 Stewart Avenue -(607) 272-9507 Journey's End Motel, 356 Elmira Road (Route 13) - (607) 272-0100 or (800) 668-4200 Meadow Court Motel, 529 South Meadow Street (Route 13) - (607) 273-3885 or (800) 852-4014 Spring Water Motel, Varna (Route 366) - (607) 272-3721 Super 8 Motel, 400 South Meadow Street (Route 13) - (607) 273-8088 or (800) 843-1991 Varna Inn, Varna (Route 366) - (607) 273-0595

#### **Special Activities & Events**

#### **Program for Spouses**

We extend a special invitation to all spouses and guests of conference participants to attend the Centennial Luncheons, the Centennial Plenary Session, and the Anniversary Gala Ball. The Veterinary Circle has also organized an Afternoon Tea at the home of Ann Phemister following the Centennial Luncheon on Sunday, March 20. It will be held from 3:00 p.m. to 5:00 p.m. and transportation will be provided from the Statler Hotel (board van at 2:45 p.m.) and the Best Western University Inn (board van at 3:00 p.m.). The vans will return to the Best Western at 5:00 p.m. and to the Statler at 5:15 p.m.

Please register for the Veterinary Circle Tea on the conference registration form. There is no fee for this program.

#### **NYSVMS Auxiliary Meeting**

The Auxiliary of the New York State Veterinary Medical Society will hold a continental breakfast and meeting on Monday, March 21at 9:00 a.m. in Room C111 of Schurman Hall. At the conclusion of the meeting, there will be a tour of the new Veterinary Education Center. Shuttle vans will leave at 8:45 a.m. from the Best Western University Inn and the Statler Hotel and return between 11:30 and noon.

Please register for the Auxiliary meeting on the conference registration form. Fee: \$15 per person.

#### **Physiology Seminar**

Martin Fettman, DVM '80, MS '80, Ph.D. will present a seminar as part of the College's Physiology and Anatomy Seminar Series on Tuesday, March 22 at 4:00 p.m. Dr. Fettman will describe the experiments he and other astronauts conducted during NASA's Space Lab Life Sciences 2 mission. All conference participants are welcome to attend.

#### **Placement Service**

The College Placement Service will once again arrange interviews between practitioners and veterinary students. Students will be seeking work opportunities in four categories:

- permanent professional positions (graduating seniors)
- · summer jobs (first- and secondyear students)
- two-week to month-long externships (senior students)
- twelve- to fifteen-week "free block" employment opportunities (seniors)

If you are interested in interviewing students during the conference, please complete the Placement Service form and return it with your registration. When you arrive, check at the Placement desk in Schurman Hall lobby to confirm your scheduled times. If you cannot attend the conference but would like to list a position with the service, please complete the Placement Service form and return it to: Student Services, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853. For more information, contact: Jennifer Angval, Placement Coordinator, at (607) 253-3700.

#### **Exhibitors**

Commercial exhibitors will be located on the first and second floor of the Veterinary Education Center.

#### **Exhibit Hours:**

Sunday, March 20 Monday, March 21 Tuesday, March 22 9:00-5:00 9:00-Noon 9:00-Noon

#### Saturday Evening

Fraternity Socials: All members of the national veterinary fraternities are invited to join their colleagues at the Cornell chapter houses on Saturday evening. March 19:

Omega Tau Sigma, Beta Chapter. 200 Willard Way Alpha Psi, Beta Chapter, 410 Elmwood Avenue

Reunion Class Dinners: Cornell's DVM classes of 1974 and 1989 will hold their reunion dinners on Saturday, March 19. (All other classes having reunions in 1994 will meet in June.) Registration materials have already been mailed to members of each class. For more information, contact Alison Smith at (607) 253-3744.

#### **Sunday Evening**

Check the Centennial Events schedule on page 4 for information about the Welcome Receptions (at the Statler Hotel). All conference participants are also invited to the Faculty-Alumni Polo Match at the Cornell Equestrian Center. Pine Tree Road, 8:15 to 10:15 p.m.

#### Veterinary Library

The Flower-Sprecher Veterinary Library, located on the second floor of the Veterinary Education Center, will be open daily during the conference.

### **Centennial Anniversary Celebration**

#### **Centennial Luncheon Series** Daily, Noon to 1:45 p.m. Carrier Ballroom. Statler Hotel

Three luncheons will be held during the conference, featuring nationally known speakers who will address contemporary issues in veterinary medical education, practice, research, and service to our diverse publics.

#### Sunday, March 20: Kurt Benirschke, MD

Challenges of Comparative Pathology in Endangered Species at the Zoo and in the Wild. Dr. Benirschke is professor of pathology and reproductive medicine at the University of California, San Diego Medical Center and is the former director of research for the San Diego Zoo. He is one of the world's best known proponents of the one medicine philosophy.

#### Monday, March 21: Frank H. T. Rhodes, Ph. D.

Mr. Rhodes is the ninth president of Cornell University and also holds the faculty rank of professor of geology.

#### Tuesday, March 22: Martin Fettman, DVM, MS, Ph.D.

Far Above Cayuga's Waters: A Veterinarian's Experience in Space.

Dr. Fettman is the nation's first veterinarian astronaut, having flown as the payload specialist aboard the Columbia space shuttle for NASA's Space Lab Life Sciences 2 mission in October, 1993. He is a 1980 D.V.M. and M.S. graduate of Cornell, and is professor of pathology at the College of Veterinary Medicine and Biomedical Sciences at Colorado State University. This luncheon is sponsored and hosted by the College Alumni Association.

#### **Centennial Programs**

#### **Plenary Session**

Monday, March 21, 2:00 p.m. Alice Statler Auditorium

The Practice of Veterinary Medicine in the 21st Century Sponsored by Ciba-Geigy Animal Health

#### **Moderator:**

**John B. Tasker, DVM '57, Ph.D. '63,** Dean, College of Veterinary Medicine, Michigan State University

#### Panelists:

Lynette K. Corbeil, DVM, Ph.D. '74 Professor of pathology, University of California, San Diego Medical Center Francis H. Fox, DVM '45 Professor emeritus, large animal medicine and obstetrics William Hansel, Ph.D. Liberty Hyde Bailey Professor of Animal Physiology, emeritus Robert W. Kirk, DVM '46 Professor emeritus, medicine

Frederick A. Murphy, DVM '59, Ph.D.

Dean, College of Veterinary Medcine, University of California, Davis **Franklin M. Loew, DVM '65, Ph.D.** Dean, College of Veterinary Medicine, Tufts University

#### **Social Events**

#### Welcome Receptions Sunday, March 20, 6:30 p.m. Statler Hotel

This is an opportunity for all conference participants (no matter where you went to school) to join present and former Cornell faculty and students in celebrating the rich history of our College and the profession over the past 100 years. Separate rooms will be set up to facilitate gatherings of alumni, colleagues and friends from the 1920s-1940s, 1950s-1960s, and 1970s-1990s.

#### Anniversary Gala Ball Monday, March 21, 6:30 p.m. Barton Hall

Beginning with a cocktail reception at 6:30 p.m., this elegant dinner/ dance promises to be the highlight of the Centennial Celebration. The reception will be sponsored by a number of the New York State regional veterinary medical associations. Music will be provided by the fifteen piece Joe Salzano Big Band. Formal attire is optional.



	Saturday March 19	Sunday March 20	Monday, March 21 100th Anniversary	Tuesday March 22
8 am - 11:45 am	Continuing Education (Veterinary College)		Continuing Education (Veterinary College) NYSVMS Auxiliary Mtg (9 am, Schurman Hall)	Continuing Education (Veterinary College)
12 noon - 1:45 pm		Centennial Luncheon <i>Kurt Benirschke</i> (Statler Hotel)	Centennial Luncheon <i>Frank H. T. Rhodes</i> (Statler Hotel)	Centennial Luncheon <i>Martin Fettman</i> (Statler Hotel)
2 pm - 5:00 pm (Veterinary College) (Veterinary College) (3:00 pm)		Plenary Session The Practice of Veterinary Medicine in the 21st Century (Statler Auditorium)	Continuing Education (Veterinary College)	
Evening	Fraternity Socials DVM Class of 74 & 89 Reunion Dinners	Welcome Receptions (6:30, Statler Hotel) Alumni-Faculty Polo Match (8:15, Equestrian Ctr)	Anniversary Cala Ball (6:30, Barton Hall)	

#### **Centennial Sponsors**

We extend appreciation to the organizations and companies who have provided support for the Centennial Celebration.

Capital District V.M.A. Catskill Mountain V.M.A. College Alumni Association Ciba-Geigy Animal Health Eastern Artificial Insemination Cooperative Finger Lakes V.M.A. Hill's Pet Nutrition, Inc. Hudson Valley V.M.A. The Iams Company Merck Agvet New York City V.M.A. New York State Veterinary Medical Society Pfizer Animal Health Southern Tier V.M.A. The Upjohn Company



### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Schedule – Sunday, March 20

#### **Morning Sessions**

#### **Small Animal Program**

SESSION A

Lecture Hall 1, VEC

SESSION B

James Law Auditorium

tive of the 90's. - J. MacDonald

Selected Topics in Small Animal Dermatology: Itchy, Bald, and Greasy. A Perspec-

Diagnosis and Treatment of

Arrhythmias - N. I. Edwards

9:00

9:00

#### **Bovine Program**

#### G-3, VRT

9:00 Bovine Field Necropsy - J. M. King and L. Roth

- 10:00 Break
- 10:30 Winter Dysentery and Other Diarrheal Diseases of Dairy Cattle - H. Van Kruiningen

#### **Equine Program**

#### Lecture Hall 2, VEC

- 9:00 Overview of the Equine Neurologic Examination - J. Mayhew
- 10:00 Break
- 10:30 Recent Advances in Equine Nutrition - H. F. Hintz

#### **Afternoon Sessions**

#### **Small Animal Program**

#### SESSION A Lecture Hall 1, VEC

2:00 Recent Developments in Feline Hematology - J. Wright George

#### 3:30 Break

4:00 Feline Infectious Diseases: Excellence Through Change - F. W. Scott

#### SESSION B James Law Auditorium

2:00 The Decision Making and Economics of Fracture Repair - G. E. Ross, Jr. and J. T. Ross

3:30 Break

4:00 Recognition and Management of the High Risk Canine Surgical Patient - E. M. Hardie

#### **Bovine Program**

#### G-3, VRT

- 2:00 What Do We Know About Pinkeye? - L. George
  3:00 Bovine Botulism - R. H. Whitlock
- 3:30 Break
- 4:00 Johne's Disease: An Overview - R. H. Whitlock



#### **Equine Program**

#### Lecture Hall 2, VEC

- 2:00 Equine Botulism - R. H. Whitlock
- 2:30 Equine Neoplasia What Can We Cure and What Can't We Cure? - W. C. Rebhun
- 3:30 Break
- 4:00 Equine Peptic Ulcer Disease: Current Throughts on Pathogenesis, Diagnosis and Treatment - A. M. Merritt

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Schedule – Monday, March 21

#### **Morning Sessions**

#### **Small Animal Program**

SESSION A Lecture Hall 1, VEC

- 9:00 Inherited Eye Diseases in the Dog G. Aguirre
- 10:00 Break
- 10:30 Intraocular Inflammation and Its Control - J. Dziezyc
- 11:15 Non-inherited Retinal Disease - J. Dziezyc

#### SESSION B James Law Auditorium

- 9:00 What is New in Small Animal Neurologic Disease? - A. de Lahunta
- 10:00 Break
- 10:30 Effects of Diet on the Kidney T. Allen



### **Bovine Program**

G-3, VRT

9:00 Lameness and Fracture Repair in the Bovine - B. L. Hull

#### **Equine Program**

#### Lecture Hall 2, VEC

- 9:00 What is New in Equine Neurology? - J. Mayhew
- 10:00 Break
- 10:30 Equine Corneal Diseases: The Bad Ones - W. C. Rebhun



No continuing education sessions will be held on Monday afternoon. All participants are invited to attend the Centennial Plenary Program in Alice Statler Auditorium.

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Schedule – Tuesday, March 22

#### **Morning Sessions Small Animal Program Bovine Program** Equine Program Lecture Hall 2, VEC SESSION A G-3, VRT Lecture Hall 1, VEC 9:00 8:00 Equine Abdominal Pain: Successful Intervention: What Cases to Refer 8:30 Thirty Drugs Useful in Controlling the Controllable - W. I. Donawick **Canine and Feline Patients** - J. W. Ferry - L. A. Trepanier 10:30 Little Known Facts About 8:45 Preventing Colic: Assessing 10:00 Break Bovine Vaccines and Herd Risk Factors on the Horse Vaccination Programs Farm - N. A. White, II 10:30 Canine Lyme Disease: An - C. A. Hjerpe Update - M. J. G. Appel 9:30Colic Case Presentations and R. H. Jacobson - W. J. Donawick and N. A. White, II SESSION B 10:00 Break James Law Auditorium 10:30 Equine Joint Surgery and 8:30 Canine Hip Dysplasia: A Medical Management Critical Discussion of - A. L. Bertone Current Therapy - D. Clark Afternoon Sessions

#### Small Animal Program

SESSION A Lecture Hall 1, VEC

- 2:00 Current Issues in Small Animal Gastroenterology - H. Van Kruiningen
- 3:00 Break
- 3:30 Insulin J. F. Randolph

#### SESSION B James Law Auditorium

2:00 Ophthalmology - Then and Now - R. C. Riis

#### **Bovine Program**

#### G-3, VRT

- 2:00 The Future of Large Animal Production Medicine Programs - R. K. Braun
- 3:30 Break
- 4:00 The Economics of Common Diseases of Dairy Cattle - C. Guard

#### **Equine Program**

- Lecture Hall 2, VEC Equine Lid, Globe, and Orbital Problems - W. C. Rebhun
- 3:30 Break

2:00

4:00 Equine Clinical Chemistry: Unique Aspects of Data Interpretation for Equine Results - J. Wright George

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Descriptions - Sunday, March 20

#### SMALL ANIMAL MORNING PROGRAM — 9 a.m.

#### SESSION A: Lecture Hall 1, VEC

#### Diagnosis and Treatment of Arrhythmias - N. Joel Edwards

Identification, assessment, and planning for the management of small animal dysrhythmias will be discussed, with emphasis on when or when not to treat and with what, as related to clinical case management.

#### **SESSION B: James Law Auditorium**

## Selected Topics in Small Animal Dermatology: Itchy, Bald, and Greasy. A Perspective of the 90's - John M. MacDonald

Selected diseases will be presented with case exemplification based upon current concepts of familiar problems and an update of newer conditions. Diseases include cutaneous malassezia, food allergy in dogs and cats, canine and feline atopy, insect hypersensitivity in cats, canine demodicosis, endocrine alopecia in Pomeranians and newer concepts on thyroid testing in the dog. Emphasis will be placed on disease characteristics, diagnosis and clinical management with etiopathomechanisms reviewed where appropriate.

#### SMALL ANIMAL AFTERNOON PROGRAM — 2 p.m.

#### SESSION A: Lecture Hall 1, VEC

#### Recent Developments in Feline Hematology - Jeanne Wright George

Hematologic abnormalities, such as anemia and neutropenia, are problems for clinicians treating sick cats. Recent research has increased understanding of the mechanisms and causes of many hematologic abnormalities. This presentation will focus on better understanding of non-regenerative anemia, FIV and FeLV associated hematologic changes, myeloproliferative diseases, and Haemobartonellosis.

#### Feline Infectious Diseases: Excellence Through Change - Fredric W. Scott

A brief overview of the highlights of what has happened in the field of feline infectious diseases over the last 30 years will be presented, followed by an evaluation of the current situation with each of the important infectious diseases of the cat. An update will be given on new information concerning FeLV, FIV, and FIP vaccines, diagnostic tests, and some emerging feline infectious diseases.

#### SESSION B: James Law Auditorium

#### The Decision Making and Economics of Fracture Repair - George E. Ross, Jr. and J. Thomas Ross

This seminar will be a discussion of the various methods of fracture repair, their indications and contraindications, as well as their application to specific fractures. Consideration will be given to the economics of each method, selection of the ideal repair, and substitutions of less expensive alternatives when necessary.

#### Recognition and Management of the High Risk Canine Surgical Patient - Elizabeth M. Hardie

Thoracic and abdominal surgery carries the highest risk of causing death in the canine patient. Recognition of high-risk patients allows the surgeon the option of using techniques to minimize surgical complications. The peri-operative management techniques best suited to such patients will be detailed.

#### BOVINE MORNING PROGRAM — G-3, VRT — 9 a.m.

**Bovine Field Necropsy** - John M. King and Lois Roth (Note: this session will be held in the Necropsy Room.) A necropsy examination will be done using simple and practical techniques. The discussion during the procedure will include the case at hand as well as new and different lesions and diseases of cattle. Questions and comments from participants will be welcomed.

#### Winter Dysentery and Other Diarrheal Diseases of Dairy Cattle - Herbert Van Kruiningen

This presentation will discuss recent developments in understanding the cause of winter dysentery, the role of coronavirus and torovirus in diarrheas of adult cattle and calves, salmonellosis, and strategies for dealing with the diagnosis of bovine diarrheas on an individual or herd basis.

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Descriptions - Sunday, March 20

#### BOVINE AFTERNOON PROGRAM — G-3, VRT — 2 p.m.

What Do We Know About Pinkeye? - Lisle George (Sponsored by Pfizer Animal Health) Current recommendations regarding treatment and vaccination against Bovine Pinkeye are to be discussed.

#### Bovine Botulism - Robert H. Whitlock

The clinical signs, differential diagnosis, laboratory diagnosis and management of Botulism in cattle will be presented. Environmental risk factors contributing to outbreaks will be described, along with methods of treatment and prevention.

#### Johne's Disease: An Overview - Robert H. Whitlock

The clinical signs of Johne's Disease are fairly obvious but the sensitivity of various diagnostic tests may not be as apparent. The implication of a positive diagnostic test; the means of transmission and the control of Johne's Disease will be outlined. Newly available research data will be shared concerning the Gamma Interferon test and the commercial Elisa Test.

#### EQUINE MORNING PROGRAM — Lecture Hall 2, VEC — 9 a.m.

#### Overview of the Equine Neurologic Examination - Joe Mayhew

In equine neurology we still rely on accurately detecting gross and subtle neurologic abnormalities, distinguishing these from other clinical signs that simulate abnormal neurologic findings, and collating definitive findings into an initial anatomic diagnosis. Many of the subtle abnormal neurologic findings will only be found if they are specifically looked for: this is the art of the clinical neurologist.

#### Recent Advances in Equine Nutrition - Harold F. Hintz

Several recent studies about energy, protein and mineral metabolism of horses will be discussed. Feeding recommendations will be presented.

#### EQUINE AFTERNOON PROGRAM — Lecture Hall 2, VEC — 2 p.m.

#### Equine Botulism - Robert H. Whitlock

Botulinum toxin, the most deadly toxin known to man, commonly affects both foals and adult horses. The extensive array of clinical signs attributed to botulism in foals and adult horses will be described. Emphasis will be given to the diagnosis of botulism based on clinical signs and readily available laboratory diagnostic tests. The differential diagnosis and management of both foal and adult equine botulism will be presented. Prevention with the toxoid is now available. A trivalent toxoid will soon be available. Vaccination options will be outlined.

#### Equine Neoplasia - What Can We Cure and What Can't We Cure? - William C. Rebhun

Benign and malignant tumors of the skin, eye, ocular adnexa, mucocutaneous junctions and certain visceral regions will be illustrated. Current treatment options will be discussed and/or debated. Management of squamous cell carcinomas, sarcoids, papillomas, melanomas, lymphosarcoma lesions, and other tumors will be covered.

**Equine Peptic Ulcer Disease: Current Thoughts on Pathogenesis, Diagnosis and Treatment** - Alfred M. Merritt First, there will be a brief review of equine gastric secretory physiology as we know it to date. Then, the speaker's view regarding various types of peptic ulcer disease, defined as ulceration of those parts of the GI tract exposed to gastric acid, will be described according to probable pathogenesis and clinical signs. Finally, the concepts of anti-ulcer treatment regimens and how they might be applied to the horse will be reviewed.

### *1994 ANNUAL CONFERENCE FOR VETERINARIANS* Program Descriptions - Monday morning, March 21

#### SMALL ANIMAL PROGRAM — 9 a.m.

#### SESSION A: Lecture Hall 1, VEC

#### Inherited Eye Diseases in the Dog - Gustavo Aguirre

This presentation will review the major inherited eye disorders of dogs. Emphasis will be given to the clinical signs and diagnosis of the disorders, together with the mode of inheritance. This will be used to discuss methods of eradication or control of the disease.

#### Intraocular Inflammation and Its Control - Joan Dziezyc

This will be a look at the inflammatory pathways that are important in the eye with a focus on their control in domestic animals, especially the dog.

#### Non-inherited Retinal Disease - Joan Dziezyc

The evalaution, diagnosis, and control of non-inherited retinal disease, especially retinal detachments, will be discussed.

#### **SESSION B: James Law Auditorium**

#### What is New in Small Animal Neurologic Disease? - Alexander de Lahunta

Recent discoveries in small animal neurologic disease will be demonstrated with films and tapes, and pertinent lesions will be projected and discussed. Establishing the anatomic diagnosis by physical neurologic examination will be emphasized.

#### Effects of Diet on the Kidney - Timothy A. Allen

The original rationale for nutritional therapy of renal failure was to reduce uremic toxicity. In recent years, slowing the progression of chronic renal disease has emerged as an additional rationale for dietary therapy. Progressive renal injury appears to be influenced by a number of nutritional factors, e.g. protein, phosphorus, lipids, and base excess. This presentation will review the effect of these nutrients on the kidney.

#### BOVINE PROGRAM — G-3, VRT — 9 a.m.

#### Lameness and Fracture Repair in the Bovine - Bruce L. Hull

Although the cause of most bovine lameness is below the fetlock, there have been some major advances in treating upper limb lameness in the last 4 or 5 years. This discussion will talk about some of the more common lower limb lamenesses, but will stress recent advances in upper limb lameness and fracture repair.

#### EQUINE PROGRAM — Lecture Hall 2, VEC — 9 a.m.

#### What's New in Equine Neurology? - Joe Mayhew

The majority of currently recognized syndromes have been elegantly described for over a century even though the names of many of the syndromes have changed! This update on equine neurology will cover the newer techniques that have been recently refined and consider the various categories of disease in which advances have been made in the last 10 years.

#### Equine Corneal Diseases - The Bad Ones - William C. Rebhun

This illustrated discussion will concentrate on management of complicated corneal diseases. Several bacterial ulcers, corneal stromal abscesses, fungal and yeast keratitis, degenerative keratopathies, and management of horses having uveitis concurrent with corneal disease will be addressed. Systemic complications resulting from intensive therapy and prevention of same will be emphasized. Guidelines for when to refer and how to avoid medicolegal problems constitute part of the take-home message for this seminar.

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Descriptions - Tuesday, March 22

#### SMALL ANIMAL MORNING PROGRAM — 8:30 a.m.

#### SESSION A: Lecture Hall 1, VEC

#### Thirty Drugs Useful in Canine and Feline Patients - Lauren A. Trepanier

This presentation will review new drugs useful in small animal practice, and new applications for older drugs. Drugs covered will include potassium bromide, dVAVP, danazol, hypertonic saline, intraconazole, calcitriol, *Adequan*, and others. For each drug, clinical indications, appropriate dosages, interactions and side effects, and cost and availability will be discussed.

#### Canine Lyme Disease: An Update - Max J. G. Appel and Richard H. Jacobson

A brief introduction will include the epizootiology of canine Lyme disease. Clinical manifestations, clinical pathology, diagnosis, including serological tests, and treatment, both under experimental conditions and in the field, will be presented in more detail. The pros and cons of vaccination will be discussed. "Vaccine breaks" will be emphasized.

#### **SESSION B: James Law Auditorium**

#### Canine Hip Dysplasia: A Critical Discussion of Current Therapy - David Clark

This presentation is intended to be a critical discussion of current treatment modalities for canine hip dysplasia, exploring what is known and what is presently assumed but may not be as valuable as expected.

#### SMALL ANIMAL AFTERNOON PROGRAM — 2 p.m.

#### SESSION A: Lecture Hall 1, VEC

#### Current Issues in Small Animal Gastroenterology - Herbert Van Kruiningen

This presentation will include: etiology of canine juvenile pancreatic atrophy; intestinal biopsy and what to do with the results; lymphocytic disease of the intestine; eosinophilic disease of the intestine; lymphangitis, lymphangiectasial and proteinlosing enteropathy; regional enteritis; colitis; and etiology of histocytic colitis of Boxer dogs.

#### Insulin - John F. Randolph

Commercial insulin has been available for clinical use for more than 70 years. However, the recent manufacture of human insulin by recombinant DNA technology has revolutionized management of diabetic humans and had profound repercussions on treatment of diabetic dogs and cats. Discontinued production of PZI, ultralente beef-pork insulin and U-40 insulins has created problems as we try to regulate our diabetic patients with unfamiliar insulins. This seminar will review some of the currently available insulin preparations and their use in clinical management.

#### SESSION B: James Law Auditorium

#### Ophthalmology - Then and Now - Ronald C. Riis

During this 3-hour presentation, an overview of the old and new techniques used for corneal diseases (KCS, ulcers, trauma), glaucoma (medical, surgical, laser, cryo, values and evisceration with prosthesis), and cataracts (extracapsular, intracapsular, phacofragmentation, and laser) will be discussed.

#### BOVINE MORNING PROGRAM — G-3, VRT — 9 a.m.

#### Successful Intervention: Controlling the Controllable - John W. Ferry

Successful production medicine programs must recognize that milk production per cow may not be the most controllable factor on the dairy. This lecture will address management areas that equally impact a dairy's health and profitability, but are more reliably controlled. Topics for special emphasis will include cow comfort and cash flow analysis.

#### Little Known Facts About Bovine Vaccines and Herd Vaccination Programs - Charles A. Hjerpe

Topics will include: (1) highly recommended vaccines; (2) farm-specific vaccines; (3) ineffective vaccines; (4) most common misuses of vaccines; (5) diagnosis of *L. hardjo* infections; (6) 1-way versus 5-way lepto vaccines; (7) problems with MLV viral vaccines; (8) inadequacies of inactivated viral vaccines; (9) does BVD vaccination prevent fetal infection?; (10) vaccination of pregnant cows with MLV BVD vaccine; and (11) PI-3 vaccines: what are they good for?

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Program Descriptions - Tuesday, March 22

#### BOVINE AFTERNOON SESSION — G-3, VRT — 2 p.m.

#### The Future of Large Animal Production Medicine Programs - R. Kenneth Braun

This presentation will be directed towards the opportunities and challenges facing large animal production medicine practitioners in the 21st century. Included will be a discussion of the veterinary professional curriculum and whether it is adequate to provide an appropriate level of education and training for students to be successful in large animal production medicine.

#### The Economics of Common Diseases of Dairy Cattle - Charles Guard

Who to treat, how much is appropriate to spend on treatment, and the potential returns from preventive measures are decisions made every day in practice. Data on comprehensive evaluations of the costs of disease will be developed into useful guidelines for clinical decision making.

#### EQUINE MORNING PROGRAM — Lecture Hall 2, VEC — 8 a.m.

#### Equine Abdominal Pain: What Cases to Refer - William J. Donawick

Credit for the great advance in the management of horses with acute abdominal pain (colic) over the last two decades must justifiably be shared between the veterinary practitioner and the surgeon. The surgeon's contribution has been new and improved surgical techniques. The practitioner's contribution has taken the form of earlier referral. In reality, early recognition of life-threatening colic by the practitioner is the most crucial step in successful management. By following an easily mastered protocol during examination of horses with colic, the decision to refer can be determined more quickly and accurately.

#### Preventing Colic: Assessing Risk Factors on the Horse Farm - Nathaniel A. White, II

Description of study of colic on horse farms. Possible risk factors will be identified and methods to change management to prevent colic will be discussed.

#### Colic Case Presentations - William J. Donawick and Nathaniel A. White, II

This will be a discussion with the audience on case management and decisions about referral of individual cases of colic.

#### Equine Joint Surgery and Medical Management - Alicia L. Bertone

Musculoskeletal injuries (most involving a joint) account for three times as much morbidity in the sport horse as other body systems. Most commonly this starts as a traumatic synovitis with or without cartilage damage that progresses to include cartilage damage and degenerative joint disease. Early surgical management of cartilage damage, synovectomy if appropriate, chip fracture removal and exploratory for comcomittant ligament injury can attenuate further joint injury, confirm prognosis and time of convalescence. Medical therapies can be adjunctive. Cases will be discussed.

#### EQUINE AFTERNOON PROGRAM — Lecture Hall 2, VEC — 2 p.m.

#### Equine Lid, Globe, and Orbital Problems - William C. Rebhun

Medical and surgical conditions affecting the ocular adnexa of the horse will be illustrated. Surgical techniques and tips to increase surgical success with complicated lid lacerations, tumors, and orbital trauma will be covered as will infections and parasitic diseases of the adnexa.

**Equine Clinical Chemistry: Unique Aspects of Data Interpretation for Equine Results** - Jeanne Wright George Equine clinical chemistry offers challenges to clinicians both due to some unique equine diseases and unique equine physiology. Some examples of these challenges are interpretation of acid-base and electrolyte abnormalities in gastro-intestinal diseases and renal disease, calcium abnormalities, and liver function tests. This presentation will review the pathophysiology of selected clinical chemistry abnormalities and show specific case examples of these abnormalities.

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Speakers

#### **GUEST SPEAKERS**

Allen, Timothy, D.V.M. '72, Senior Clinical Research Scientist, Mark Morris Associates, P. O. Box 1493, Topeka, KS 66601

Bertone, Alicia L., D.V.M.'82, Ph.D., Diplomate, A.C.V.S., Associate Professor of Surgery and Director, Orthopedic Research Laboratory, 601 Thorp St., The Ohio State University, Columbus, OH 43210

Braun, R. Kenneth, D.V.M. '65, Professor and Chairman, Department of Large animal Clinical Sciences, VMTH Large Animal Clinic, College of Veterinary Medicine, P. O. Box 100136, University of Florida, Gainesville, FL 32610-0136

Clark, David M., D.V.M. '81, Diplomate, A.C.V.S., Private Practitioner, Adjunct Professor, Aritifical Organs Laboratory, The School of Medicine, Brown University, Providence, RI 02912

**Donawick, William,** D.V.M. '63, M.S. (Hon), Mark Whittier and Lila Griswold Allan Professor of Surgery, School of Veterinary Medicine, University of Pennsylvania, New Bolton Center, 382 West Street Rd., Kennett Square, PA 19348

**Dziezyc, Joan,** D.V.M. '79, Associate Professor, Department of Small Animal Medicine and Surgery, College of Veterinary Medicine, Texas A&M University, College Station, TX 77843-4474

Edwards, N. Joel, D.V.M. '64, Diplomate, A.C.V.I.M. (Cardiology), Albany County Veterinary Hospital, 1506 Western Avenue, Albany, NY 12203

Ferry, John W., D.V.M. '77, Private Practitioner, 6 West Church Street, Adams, NY 13605

George, Jeanne Wright, D.V.M. '71. Ph.D., Associate Clinical Professor, Department of Pathology, Immunology and Microbiology, University of California, Davis, CA 95616

George, Lisle, D.V.M. '71, Ph.D. '74, Professor of Medicine, College of Veterinary Medicine, University of California, Davis, CA 95616

Hardie, Elizabeth M., D.V.M. '79, Ph.D., Diplomate, A.C.V.S., Associate Professor, Small Anmal Surgery, CASS Department, College of Veterinary Medicine, North Carolina State University, 4700 Hillsborough St., Raleigh, NC 27606

Hjerpe, Charles A., D.V.M. '58, Professor of Veterinary Medicine, VMTH, University of California at Davis, Davis, CA 95616

Hull, Bruce L., D.V.M. '65, M.S., Professor and Section Head, College of Veterinary Medicine, The Ohio State University, 601 Vernon Thorp St., Columbus, OH 43210

Mayhew, Joe, B.V.Sc., Ph.D. '78, Head, Department of Clinical Studies, Animal Health Trust, Newmarket, Suffolk CB8 7DW, United Kingdom

MacDonald, John M., D.V.M. '74, Diplomate, A.C.V.D., Associate Professor of Dermatology, Department of Small Animal Surgery & Medicine, College of Veterinary Medicine, Auburn University, Auburn, AL 36849

Merritt, A. M., D.V.M., '63, M.S., Professor of Medicine, College of Veterinary Medicine, University of Florida, Box 100136 HSC, Gainesville, FL 32610-0136

Ross, George E., Jr., D.V.M., M.S., Diplomate, A.C.V.S., Practice Owner, Colonial Veterinary Hospital, 2369 North Triphammer Rd., Ithaca, NY 14850

### 1994 ANNUAL CONFERENCE FOR VETERINARIANS Speakers

Ross, J. Thomas, D.V.M. '86, Diplomate, A.C.V.S., Associate, Colonial Veterinary Hospital, 2369 North Triphammer Rd., Ithaca, NY 14850

Roth, Lois, D.V.M. '79, Ph.D., Diplomate, A.C.V.P., Director, Clinical Laboratory, Angell Memorial Animal Hospital, 350 South Huntington Ave., Boston, MA 02130

Van Kruiningen, Herbert, D.V.M. '60, Ph.D. '66, M.D., Professor of Pathology, Department of Pathobiology, University of Connecticut, 61 N. Eagleville Rd., Storrs, CT 06269

Whitlock, Robert H., D.V.M. '65, Ph.D. '70, Associate Professor of Medicine, New Bolton Center, 382 West Street Road, University of Pennsylvania, Kennett Square, PA 19348-1692

#### SPEAKERS FROM THE COLLEGE FACULTY

Aguirre, Gustavo, V.M.D., Ph.D., Professor of Ophthalmology and Director, J. A. Baker Institute

Appel, Max J. G., Dr. med. vet., Ph.D. '67, Professor of Virology, J. A. Baker Institute

de Lahunta, Alexander, D.V.M. '58, Ph.D. '63, Diplomate, A.C.V.I.M. (Neurology), Professor of Anatomy, Department of Anatomy

Guard, Charles L., Ph.D., D.V.M. '80, Associate Professor of Medicine, Head, Ambulatory Clinic, Department of Clinical Sciences

Hintz, Harold F., Ph.D. '64, Chairman and Professor, Department of Animal Science, College of Agriculture and Life Sciences

Jacobson, Richard H., M.S., Ph.D., Associate Professor of Immunoparasitology, Director, Automated Serology Laboratory, Diagnostic Laboratory

King, John M., D.V.M., Ph.D. '63, Diplomate, A.C.V.P., Professor of Veterinary Pathology, Department of Pathology

Randolph, John F., D.V.M. '77, Diplomate, A.C.V.I.M., Associate Professor of Medicine, Department of Clinical Sciences

Rebhun, William C., D.V.M. '71, Diplomate, A.C.V.O., Diplomate, A.C.V.I.M., Professor of Internal Medicine and Ophthalmology, Department of Clinical Sciences

Riis, Ronald C., D.V.M., M.S. '75, Diplomate, A.C.V.O., Associate Professor of Clinical Ophthalmology, Department of Clinical Sciences

Scott, Fredric W., D.V.M. '62, Ph.D. '68, Diplomate, A.C.V.M., Professor of Virology, Director, Cornell Feline Health Center, Department of Microbiology, Immunology and Parasitology

Trepanier, Lauren A., D.V.M. '86, Diplomate, A.C.V.I.M., Graduate Research Assistant, Department of Pharmacology

# We wish to thank the following exhibitors for their support.

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#### **CENTENNIAL COMMITTEE**

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Elizabeth A. Fontana

#### ANNUAL CONFERENCE PROGRAM COMMITTEE

John E. Saidla, Chairman Michael A. Brunner Thomas J. Divers W. J. Gould Francis H. Fox H. Jay Harvey William H. Miller Wayne S. Schwark

#### ANNUAL CONFERENCE COORDINATOR

Linda R. Alfreds

#### AUDIOVISUALS

Sandra P. Berry

### **Registration Form - Please Print or Type**

Must be postmarked by Tuesday, March 8 or faxed to 607-253-3198 no later than Friday, March 11. (If mailed after 3/8/94 or faxed after 3/11/94, a late fee of \$25 per person will be charged.)

Full Name (as you wish for name badge)	Telephone - weekdays			
	( )			
Address	Fax Number if available			
	DVM Class Yr. College			
City State Zip Code	Type of Practice			
Is this a new address?Image: YesNoDo you need a parking permit?Image: YesNoWhere do you plan to stay in Ithaca for the conference	e?			
PLEASE INDICATE YOUR CHOICE OF REGISTRATION	PACKAGES OR SINGLE TICKETS BELOW:			
□ Veterinarian's Three-day Package \$285 (\$200 for those who have been in practice for 40 years or more)	Tickets for Selected Programs: Fee <u># Tickets</u>			
Includes three days of Continuing Education seminars, Centennial Luncheon Series, Sunday evening Welcome	<ul> <li>3-days Continuing Education \$185 N/A (select sessions on back)</li> </ul>			
Receptions, and Anniversary Gala Ball. (Select continuing education sessions on back.)	1-day Continuing Education 70 N/A (select sessions on back)			
Spouse/Guest Three-day Package \$120 Includes Centennial Luncheon Series, Welcome Recep- tions on Sunday evening, Auxiliary Breakfast Meeting, and Anniversary Gala Ball.	<ul> <li>Centennial Luncheon (each)</li> <li>Sunday: Kurt Benirschke</li> <li>Monday: Frank H. T. Rhodes</li> <li>Tuesday: Martin Fettman</li> </ul>			
Spouse/Guest Name(s):	Sunday Welcome Receptions 10			
	Anniversary Gala Ball 50			
	□ Veterinary Circle Tea (no fee)			
I/we will attend the Veterinary Circle Tea on Sunday afternoon.	Auxiliary Breakfast Meeting 15 Spouse/Guest Name(s):			
Centennial-Only Package \$105 Includes Centennial Luncheon Series, Welcome Recep- tions on Sunday evening, and Anniversary Gala Ball.				
My check in the amount of \$ is enclosed.	Mail to: Linda R. Alfreds Office of Continuing Education College of Veterinary Medicine			
Charge to my: Asster Card Visa Credit Card # Expiration Date	Cornell University Ithaca, New York 14853			

#### **Continuing Education Sessions**

#### Please select the programs you plan to attend:

I have paid for and will attend the full
3-day continuing education program.

(Choose one morning and one afternoon session on Sunday and Tuesday.)

#### Sunday, March 20:

П

- Small Animal Morning Session A
- □ Small Animal Morning Session B
- □ Small Animal Afternoon Session A □ Small Animal Afternoon Session B
- Bovine Morning Session
   Bovine Afternoon Session
- Equine Morning Session
- Equine Afternoon Session

#### Monday, March 21: (morning sessions only)

- Small Animal Morning Session A
- Small Animal Morning Session B
- Bovine Morning Session
- □ Equine Morning Session

#### Tuesday, March 22:

- Small Animal Morning Session A
- Small Animal Morning Session B
- Small Animal Afternoon Session A
   Small Animal Afternoon Session B
- Bovine Morning SessionBovine Afternoon Session
- Equine Morning SessionEquine Afternoon Session

I have paid for and will attend one day of continuing education programs.

(Choose one morning and one afternoon session on Sunday and Tuesday.)

#### Sunday, March 20:

- □ Small Animal Morning Session A
- □ Small Animal Morning Session B
- Small Animal Afternoon Session A
- Small Animal Afternoon Session B
- □ Bovine Morning Session
- □ Bovine Afternoon Session
- Equine Morning Session
- Equine Afternoon Session

#### Monday, March 21: (morning sessions only)

- □ Small Animal Morning Session A
- □ Small Animal Morning Session B
- □ Bovine Morning Session
- □ Equine Morning Session

#### Tuesday, March 22:

- □ Small Animal Morning Session A
- Small Animal Morning Session B
- Small Animal Afternoon Session A
   Small Animal Afternoon Session B
- Bovine Morning SessionBovine Afternoon Session
- Equine Morning SessionEquine Afternoon Session
- Questions? ... call the Office of Continuing Education at (607) 253-3200.

### **Placement Service**

(please print or type)

Practitioner Name	Telep	bhone
Hospital/Clinic Name Hours		s to Call
Address		
Do you want to interview students at the March 1994 C	Conference?	<ul> <li>□ No, please post position only</li> <li>□ Yes (indicate preferences below</li> </ul>
I will be interviewing:		
<ul> <li>graduating seniors for a permanent position</li> <li>first or second-year students for a summer position</li> <li>seniors for a free block position</li> </ul>	Monday, 3/21	: : 2:
Position & Pract	ice Description	1
Responsibilities:		
Benefits:		
Type of position:         Permanent position for graduate DVM         Student externship (2-4 weeks during academic term)         Summer job for student         Senior free block (please check which blocks this position w         Block 1 (May-August)       Block 2 (A         Block 3 (November-February)	ugust-November	)
Is housing available for a student on externship, summer job,	or free block?	□ No □ Yes (please describe):
Type of Practice (check one):         Large Animal Practice       Small Animal Practice         Mixed Practice       Emergency Clinic         Humane Society       Zoo         Other (please describe):		

Number of doctors on premises Number of paraprofession	nals
Radius of clientele	
Community name	Population
Nearest large city	
Describe specialists or special interests:	
Large Animal Practice:         % Large Animal         % Equine       (% pleasure	% broodmare ) % herd health )
% Ambulatory Mobile unit available? Type Is hospital/clinic equipped for large animal use? Does the clinic perform major surgeries? What surgery is referred?	
Small Animal Practice:         % Small         % Canine         % Feline         % Other         (please describe:)	
Number of examination roomsNumber of surgery roomsNumber of cagesNumber of runsDo you board animals?Do you groom animals?	
Types of surgery:	
Types of anesthesia:	
Are clinical pathology facilities available?	
Describe special equipment available:	

Additional comments about your clinic/hospital:

Please return to:

Placement Service, C-106 Schurman Hall, College of Veterinary Medicine, Cornell University, Ithaca, NY 14853 (Telephone: 607-253-3700)



### **REGISTRATION PACKAGE**

### Centennial Anniversary Celebration and 1994 Annual Conference for Veterinarians

### March 19-22, 1994 College of Veterinary Medicine Cornell University

**Registration Deadline: March 8, 1994** 

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