

Twenty-Fourth Annual Conference

of the
American Association
of
Bovine Practitioners

Orlando, Florida
September 18-21, 1991
Specialty Seminars September 15-21, 1991

Theme: "Go For The Magic In Orlando"

"Go For The Magic In Orlando"

The 1991 AABP Conference in Orlando will provide each of us with the unique opportunity to experience the magic of Disney World while participating in one of the most outstanding continuing education programs ever offered. Our Convention Hotel is located within the Walt Disney World complex and provides us with a combination of excellent meeting facilities as well as many advantages for visiting and enjoying the famous Disney World attractions. The Magic Kingdom, Epcot Centre, and The Disney MGM Studios provide a delightful family holiday and we encourage you to bring the whole family to this conference which runs during a low tourist season.

The Program Committee has assembled an outstanding program with the objective of updating and challenging the bovine practitioner. The scientific program is divided into five separate categories: General Sessions, Split Sessions, Specialty Seminars, Practice Tips and Research Summaries, and Computer Software Demonstration.

This year's General Sessions, which are applicable to both beef and dairy practice, will focus on infectious diseases, epidemiology, animal welfare, and environmental considerations.

Split sessions are devoted to practice specialties. The dairy split sessions deal with nutrition/reproduction interactions, replacement heifer programs, and production medicine. Feedlot split sessions focus on feedlot diseases old and new, pathological diagnostics, and feedlot records. A comprehensive review of neonatal topics will be presented in the cow/calf split sessions. These will include neonatal physiology, immunology, and pharmacology, diseases of the metabolic, infectious, and congenital variety as well as calving season and preweaning management.

The 1991 program will feature 17 specialty seminars including some of the perennially popular seminars presented at previous AABP meetings and many brand new ones. Seminars are scheduled prior to and concurrently with the general sessions and have limited enrollment to facilitate maximum opportunity for discussion between faculty and participants.

On the second evening of the Conference the popular practice tips and research summaries will again be presented. These will involve an equal split of dairy and beef topics.

The computer software demonstration session was a popular addition last year and will be repeated in the 1991 program in a somewhat expanded and more structured format.

Also, don't forget to visit the exhibit area where nearly 100 exhibitors will demonstrate their veterinary products and services.

Social activities begin on Wednesday evening with the reception

and opening ceremonies which is highlighted by our Keynote Speaker and professional humorist, Mr. Charlie Willey. In order to facilitate your enjoyment of the Orlando area, our local arrangements coordinator, Gatz Riddell, has worked hard to prepare an outstanding group of tours and a special social evening which consists of an exclusive AABP show and a meal at Sea World. There are so many enjoyable activities to see and participate in throughout the Disney World complex that this will undoubtedly be one of your most memorable conferences ever.

Plan now to join your fellow bovine practitioners for a week of quality scientific programs and entertaining social activities and "Go for the Magic in Orlando!"

Gordon Atkins, Program Chairman

Program Committee

Program Chairman	Gordon Atkins
Seminar Coordinator	Darrel Johnson
General Session Coordinator	Art Donovan
Dairy Session Coordinator	Ken Nordlund
Beef Cow/Calf Session Coordinator	Mark Spire
Beef Feedlot Coordinator	Tim Guichon
Research Summaries Coordinator	Dee Whittier
Practice Tip Coordinator	Paul Johnson
Local Arrangements Coordinator	M. Gatz Riddell Jr.
Exhibits Chairman	Samuel Hutchins III
Continuing Education Liaison	Kathy Shaw
Conference Manager	Harold Amstutz
President	David McClary

AN INVITATION TO ORLANDO

Gatz and Kay Riddell

We would personally like to invite you to join us in going for the Magic in Orlando. It has been nearly ten years since District III has had the pleasure of hosting the AABP for the Annual Conference and we are looking forward to making this year's meeting one of the most enjoyable ever. The city of Orlando revolves around entertainment and the family vacation and this year's conference should generate the opportunities for family vacations not available every year.

Faced with the challenge of getting participants in from the sun and the fun, Gordon Atkins and his program committee have put together a little magic of their own. The scientific sessions, both General and Split, are going to be some of the best ever by placing practical information in the hands that can deliver to the producer. The in-depth seminars continue to grow in strength, variety, and popularity as do the

Computer Software Demonstrations.

A major challenge of local arrangements was very typical of that facing our dairy and cow-calf clients every day, what should we cull. The attractions and entertainment possibilities available in Orlando are close to limitless. The pre-convention tour to several dairies and a cow-calf operation in the Okeechobee area should provide a taste of local industry as well as a taste of the local cuisine. The spouse seminars and tours utilize local educational and entertainment talent to provide a myriad of opportunities for our better halves. We hope that you agree with the culling pressures we've applied.

And last, but not least, never underestimate the attractiveness of what Orlando is really famous for, the theme parks such as Disney World, Universal Studio, MGM, etc. We will be enjoying the hospitality of Sea World for our evening social outing this year. This dinner and series of private shows should provide a night to remember. Should you decide to make a family vacation of this AABP meeting, the variety of entertainment possibilities in Orlando will prove almost endless. Remember, Orlando is a city that prides itself on its magic.

PRESIDENT'S WELCOME

David McClary

In our membership survey a few years ago a large number of you asked, "Why doesn't AABP ever meet in a nice family vacation spot?" For those of you asking that question, have we got a deal for you in 1991! Orlando is considered the top family vacation spot in the world. Not only do they have Disney World and MGM Studios, but also Universal Studios, Sea World, and other attractions too numerous to mention. Initially, I thought the Program Committee's biggest challenge would be getting you to attend the scientific sessions. After looking over the program I realized that they have created quite a dilemma for the attendees. The excellent program they have arranged will have you torn between the meeting rooms and the attractions of Orlando. One possible solution: either come to the meeting early or stay over after the meeting. The meeting has intentionally been scheduled to end on a Saturday afternoon to give you the option of staying over Saturday evening to enjoy Orlando and get better air rates.

Many members have started to combine the best continuing education opportunity available in bovine medicine with the family vacation of a lifetime. Although most school systems will be in session in mid September, many schools will excuse students from school for visits to Disney World due to its unique educational opportunities. The trip to Orlando could be considered an educational experience for both you and the children.

The 1991 meeting will be totally housed in the Buena Vista Palace Hotel in Lake Buena Vista, Florida. This hotel is located on Disney property immediately adjacent to the Disney Shopping Village. The hotel offers complimentary shuttle service to all Disney attractions including the Magic Kingdom, Epcot, and MGM Studios. It has large beautiful rooms and is one of the nicest ever used for an AABP meeting. While less expensive hotels can be found in the area, the Buena Vista Palace offers the ultimate in the Disney experience. Due to limited accommodations at the Palace, I would recommend making your reservations early as we "Go for the Magic in Orlando".

OPENING EVENING HOSPITALITY

"Welcome to the Magic of Orlando"

Wednesday, September 18

Exhibit Hall and Great Hall East/West and Rooms

Exhibits Open — 2:00 p.m. - 7:00 p.m.

Reception and Meal — 5:00 p.m. - 7:00 p.m.

OPENING SESSION

Program Committee Welcome — 7:15 p.m. - 7:45 p.m.

Keynote Speaker - Mr. Charley Willey — 7:45 p.m. - 8:45 p.m.

Location — Empire Ballroom, England and Scotland Rooms

This opening afternoon and evening reception provides each of us with an excellent opportunity to browse through the exhibits and meet old and new friends alike. What a great change of pace from a busy day of traveling or taking seminars and an opportunity to relax and enjoy an informal meal in the company of fellow AABP members.

Following the reception we will move to the England/ Scotland Ballroom for the Opening Session of the 1991 AABP Conference. The program will include a welcome to Orlando, a brief introduction of the program and committee, and the presentation of the Research Assistantship Award.

The opening evening will conclude in fine style as we turn the podium over to our keynote speaker, Mr. Charley Willey. Charley has been a professional speaker for thirty years with experience as a minister, broadcaster, counselor, world traveler, and skydiver. He categorizes himself as a serious humorist. This man is a champion in human relations and believes that people can laugh and learn at the same time.

GENERAL SESSIONS

Three general sessions will be held during the first 1½ days of the program. Each session offers practical information to better prepare the bovine practitioner to meet the challenges of today's practice. Whether you work in a mixed practice or exclusively with dairy or beef cattle, these sessions contain useful information for you.

*These Sessions Are Sponsored By
SmithKline Beecham Animal Health.*

GENERAL SESSION I

"Infectious Diseases"

Thursday, September 19

8:00 a.m. - 12:00 noon

Location: Great Hall North

Moderator: **Carlos Risco**

- 8:00 Control of Anaplasmosis — **Ed Richey**
- 8:55 Leptospira hardjo Infections - An Enigma — **Carol Bolin**
- 9:50 Coffee and Milk Break
- 10:20 Cryptosporidiosis - Epidemiology, Control, Zoonotic Implications — **Bruce Anderson**
- 11:10 Bovine Spongiform Encephalopathy - Only a British Concern? — **Mark Robinson**

GENERAL SESSION II

"Epidemiology for the Practitioner"

Thursday, September 19

1:30 p.m. - 5:00 p.m.

Location: Great Hall North

Moderator: **John Ferry**

- 1:30 Using and Interpreting Diagnostic Tests — **Liz Spangler**
- 3:00 Coffee and Milk Break
- 3:30 Critical Reading for the Practitioner - Separating the Chaff From the Grain — **Dale Hancock**

GENERAL SESSION III

"Current Issues Update"

Friday, September 20

8:00 a.m. - 12:00 noon

Location: Great Hall North

Moderator: **Art Donovan**

- 8:00 Animal Welfare Issues — **Steve Allander**
- 8:55 Animal Welfare Issues — **Jamie Kastner**
- 9:50 Coffee and Milk Break
- 10:20 The Impact of Dairying in Florida on the Environment - Controls and Regulations — **Art Darling**

11:05 The Impact of Feedlots on the Environment - A Scientific Evaluation — **John Sweeten**

SPLIT SESSIONS

Split sessions are designed for all registrants but allow you to select topics related to your specific interests in either dairy, cow/calf or feedlot practice specialities. Subject matter will be much more specific to beef or dairy when compared to the general session. Lecture style format allows speakers to cover the maximum quantity of information in each of the sessions.

DAIRY SESSIONS

DAIRY SESSION I

"New Concepts in the Interactions of Nutrition and Reproduction"

Friday, September 20

1:30 p.m. - 5:00 p.m.

Location: Great Hall North

Moderator: **Gala Beckendorf**

- 1:30 Impacts of Early Postpartum Metabolism on Follicular Development and Fertility — **Jack H. Britt**
- 2:15 Nutritional and Hormonal Factors Influencing Follicle Development in Cattle — **William W. Thatcher**
- 3:00 Coffee and Milk Break
- 3:30 Nutritional Management of the Late Dry Cow Period — **David K. Beede**
- 4:15 Managing Body Condition Scores to Maximize Milk Yield and Reproduction — **Leon D. Weaver**

DAIRY SESSION II

"Integrating Production Medicine Programs and Dairy Farm Finance"

Saturday, September 21

8:00 a.m. - 11:00 a.m.

Location: Great Hall North

Moderator: **Kenn Buelow**

- 8:00 The Net is Gross — **Don Klingborg**
- 8:45 Farming the Dairy Cycles — **Don Rogers**
- 9:45 Financial Analysis and Production Medicine Records — **John Ferry**
- 10:45 Summary — **Don Klingborg**
- 11:00 AABP Business Meeting and Awards Luncheon

DAIRY SESSION III

"Efficient Production of Quality Replacement Heifers"

Saturday, September 21

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

Location: Great Hall North

Moderator: **Charlene McLaughlan**

- 1:30 Opportunities in Replacement Heifer Growth — **Jud Heinrichs**
- 2:30 Mastitis Control in Replacement Heifers — **Steve Nickerson**
- 3:30 Considerations for Replacement Heifer Housing — **Bill Bickert**

COW/CALF SESSIONS

COW/CALF SESSION I

Friday, September 20

1:30 p.m. - 5:00 p.m.

Location: Scotland A/B/C Rooms

Moderator: **Mark F. Spire**

- 1:30 Neonatal Physiology and Fluid/Electrolyte Therapy — **Allen Roussel**
- 3:00 Coffee and Milk Break
- 3:30 Basic and Applied Neonatal Immunology — **Bennie Osburn**

COW/CALF SESSION II

Saturday, September 21

8:00 a.m. - 11:00 a.m.

Location: Scotland A/B/C Rooms

Moderator: **Robert Mortimer**

- 8:00 Congenital Defects of Current Concern in Beef Cattle — **Horst Leipold**
- 9:00 Neonatal Pharmacology — **Scott Brown**
- 10:00 Metabolic and Infectious Diseases of Beef Calves — **Otto Radostits**
- 11:00 AABP Business Meeting and Awards Luncheon

COW/CALF SESSION III

Saturday, September 21

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

Location: Scotland A/B/C Rooms

Moderator: **Mark F. Spire**

- 1:30 Metabolic and Infectious Diseases (cont'd.) — **Otto Radostits**
- 2:30 Calving Season Management (Records, Personnel Management, and Economics) — **Robert Mortimer**
- 3:30 Enhancement of Prewearing Performance (Creep Feeding, Growth Promotants, and Pasture Management) — **Larry Corah**

FEEDLOT SESSIONS

FEEDLOT SESSION I

"Diagnostic Tests in the Feedlot — Antemortem and Postmortem"

Friday, September 20

1:30 p.m. - 5:00 p.m.

Location: Crown Hall

Moderator: **D. G. Miles**

- 1:30 Making a Clinical Feedlot Diagnosis - How Important Is It? — **G. K. Jim**
- 2:15 Using Epidemiology as an Aid in Feedlot Disease Management — **C. S. Ribble**
- 3:00 Coffee and Milk Break
- 3:30 Laboratory Tests - Useful Tools in the Feedlot — **Richard E. Mock**
- 4:20 Proper Necropsy Technique in the Feedlot — **Calvin Booker**

FEEDLOT SESSION II

"Feedlot Records"

Saturday, September 21

8:00 a.m. - 11:00 a.m.

Location: Crown Hall

Moderator: **G. K. Jim**

- 8:00 Computerized Feedlot Records — **P. T. Guichon**
- Evaluating Feedlot Management Strategies
- 9:00 Assessing Antimicrobial Efficacy — **G. D. Mechor**
- 9:40 Assessing Vaccine Efficacy — **C. S. Ribble**
- 10:20 Assessing Feeding Trials — **David Yates**
- 11:00 AABP Business Meeting and Awards Luncheon

FEEDLOT SESSION III

"Feedlot Diseases — Old and New"

Saturday, September 21

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

Location: Crown Hall
Moderator: **P. T. Guichon**

- 1:30 Retrospective Summary of Feedlot Mortality – **G. K. Jim**
2:15 Vaccination in the Feedlot - Current Programs –
D. G. Miles
3:00 Manifestations of *Haemophilus somnus* Infection –
P. T. Guichon
3:45 Pasteurellosis - An Update on Vaccination – **S. D. Acres**

PRACTICE TIPS

"Practice Magic"

Thursday, September 19

7:30 p.m. - 10:00 p.m.

Location: Great Hall North

Moderator: **Paul E. Johnson**

Here's an opportunity to benefit from short presentations given on a wide range of topics and focused on providing tips to make practice easier, more rewarding, and yes, even to add a little magic. These will be five minute presentations by outstanding practitioners selected to share some of their practice tips in both beef and dairy practice.

- 7% Saline IV for Endotoxic Shock: A New Approach to an Old Problem – **Steve Hines**
- Tidbits from Across the Pond: A Look at Food Animal Medicine in England – **Peter Edmondson**
- Spandex and the Dairy Scene: A Fashion Glimpse From the Northeast – **Kelvin D. Pierce**
- Heifer Co-Op: Broader Veterinary Services for Smaller Beef Producers – **Mark Hilton**
- Hijacking the Bovine Fore Leg: A Non-criminal Procedure – **Jerome Harness**
- Conducting Field Trials in Your Practice: The ABC's of Getting Involved – **Roger Saltman**
- Uterine Lavage: A New Approach to an Old Procedure – **Len Lazarrato**
- High Heels for Holsteins Using Vet-Cast for Damaged Claws – **Reilly Glore**
- Range Cattle Nutrition: Insights into Current Trends and Products – **John Doyle**
- The 5 Minute Postmortem: A Simple Approach to Field Diagnosis – **Tim Guichon**
- Circles, Circles, Circles: A New Model for Beef Cattle Management Programs – **Ross Hendry**
- Milking Machine Evaluation: New Ideas for Implementation – **David Reid**
- North by Northwest: New Directions for Better Heat Detection – **Al Wesselius**
- Preventative Medicine for the PC: A Look at Computer Care and Maintenance – **Jim Ehrlich**
- Formulating Anionic Dry Cow Diets: Looking at Various Salts and Their Function – **Dave Byers**
- Mastitis Control Without the Slap in the Face – **Andrew Johnson**

RESEARCH SUMMARIES

Thursday, September 19

7:30 p.m. - 10:00 p.m.

Location: Scotland A/B/C Rooms

Moderator: **Dee Whitter**

This session will provide the forum for transferring research data to practitioners by previewing a wide variety of research results impacting on all avenues of bovine practice. Each research summary will be limited to 10 minutes with 5 minutes available for questions and responses.

1. Fetal Loss of Twins Versus Singles From Pregnancy Examination to Subsequent Abortion or Calving.

2. Selenium Supplementation of Beef Heifers: Comparison of Sustained-Release Selenium Bolus to an 120 ppm Selenium Salt-Mineral Mixture.
William S. Swecker, D. J. Blodgett, D. E. Eversole, Craig Thatcher; VA-MD Regional College of Vet. Med., VA Tech, Blacksburg, VA
3. Concurrent Infection of Young Calves with *Eimeria bovis* and *Coronavirus*.
K. H. Hoblet, W. P. Shulaw, L. J. Salf, S. E. Welsbrode, S. E. Lance, D. R. Redman; Dept. Of Vet. Preventative Med., The Ohio State University, Columbus, OH
4. Ibuprofen Therapy in Lactating Dairy Cows.
F. J. DeGraves and K. L. Anderson; College of Vet. Med., North Carolina State University, Raleigh, NC
5. Challenge Model for *E. coli* in the Colostrum Deprived Calf. Protective Effects of a Commercial Cheese Whey Derived Immunglobulin Product Against Septicemic *E. coli* Challenge in Clostrum Deprived Calves.
Louis D. Hunt Jr., E. Hunt, K. L. Anderson, J. Ibanes; College of Vet. Med., North Carolina State University, Raleigh, NC
6. Successful Treatment of Bovine Retained Placenta by Umbilical Cord Injection of Collagenase.
Hugo Eller, F. M. Hopkins, H. McCampbell, Univ. of Tennessee, Knoxville, TN
7. Oponizing Antibodies to Virulence Factors of *Pasteurella haemolytica*.
T. L. Bowersock, D. Ryker, J. Maddux, R. N. Moore; College of Vet. Med., Purdue, W. Lafayette, IN and College of Vet. Med., Ag. Exp. Sta., Univ. of Tennessee, Knoxville, TN
8. Effects of Alkaloids Produced by *Acremonium coenophialum* in Fescue on Vascular Function in Cattle.
Jack W. Oliver, R. D. Linnabary, L. K. Abney, and H. S. Adair III; College of Vet. Med., and Ag. Exp. Sta., Univ. of Tennessee, Knoxville, TN
9. Using Projected Days Open to Estimate Actual Days Open in Dairy Herds.
Patrick J. Hady; College of Vet. Med., Michigan State University, East Lansing, MI
10. Dry Cow Therapy and Mastitis Control.
William M. Sischo, G. Y. Miller, and L. E. Heider; Dept. of Vet. Sci., Penn State Univ., University Park, PA and Dept. of Vet. Preventive Med., The Ohio State Univ., Columbus, OH

COMPUTER SOFTWARE DEMONSTRATION

This session is designed to provide individuals and software companies with the opportunity to demonstrate their programs to interested practitioners. The session has been expanded to consist of two portions:

(1) Software Lecture Presentations

These will be a series of 20 minute presentations demonstrating computer software programs on a wide variety of topics. It will be an excellent opportunity to get an overview of new software available for beef and dairy records, practice management, nutrition, and other areas of bovine practice. A schedule of presentations will be available at the registration desk.

Fee: Free to all registrants.
Location: Diamond/Sapphire Room
Date & Time: Wednesday & Thursday,
September 18 & 19, 8:00 - 5:00 p.m.

Coordinator: Jim Ehrlich (518) 638-8566

(2) Computer Software Shareware Lab

This session will be held in a small computer lab *separate* from the seminar computer lab. Several computers will be available for interested practitioners to get some "hands-on" experience working with some of the programs demonstrated in the other portion of this session. For programs with copyrights that permit free distribution, a computer will be available for copying diskettes. Bring your own 3½ or 5¼ inch disks and remember that beginners and experts are equally welcome.

Fee: Free to all registrants.
Location: Captain Room
Date & Time: Friday & Saturday, September 20 & 21,
8:00 - 5:00 p.m.
Coordinator: AABP Information Management Committee

SEMINARS

The pre-convention specialty seminars remain an integral part of the annual AABP conference. Whether you believe we are drowning in information or simply replacing obsolete information with new at a faster pace, the AABP seminar series may be THE place to sort it out. The evaluation forms we receive each year tend to bear this out. This year we offer 20 seminars ranging from basic, to intermediate, to advanced for both beef and dairy interests. Basic prerequisite seminars prior to advanced seminars have been expanded this year — where scheduling permitted. This provides a more complete learning curve away from the daily routines of practice, and not having to wait a year for the next opportunity. The learning curve is also enhanced by keeping everyone "on the same page" more efficiently.

The popular and perennially oversubscribed seminars which will again be offered include: Seminars 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, and 14. The remaining seminars are new and have been added to provide a range of continuing education.

SEMINAR 1 Quality Milk Production

Objective: This seminar is designed to give the dairy practitioner an in-depth understanding of basic areas of mastitis control including mastitis microbiology, milking equipment function, mastitis management concepts in both large and small herds and milk quality evaluation methods.

Fee: \$550.00
Limit: 20
Level: Intermediate to Advanced
Location: Yeoman Room
Date: Sept. 15 (Sunday) - Sept. 17 (Tuesday)
Time: 8:00 a.m. - 10:00 p.m. daily
Coordinator: James Jarrett (404) 235-2122
Faculty: James Jarrett, D.V.M., Paul Blackmer, D.V.M., John Dahl, D.V.M., Robert Bushnell, D.V.M., Ph.D.

Computers Used: No

Description: This seminar is the longest continuously running seminar on the AABP program and continues to be among the first to fill. It provides a unique opportunity for the dairy veterinarian offering clients a thorough milk quality/mastitis control program. The faculty offers an excellent blend of practitioners and educators with backgrounds in both small and large herd management. Basic principles and sophisticated techniques will be presented in a practical format that involves discussions among all participants.

SEMINAR 2

Embryo Transfer: The Practitioner's Role

Objective: This seminar is intended to provide the veterinarian who is not actively involved in embryo transfers with the information needed to develop an embryo transfer service or to become involved in helping with existing embryo transfer programs on client farms. Proper handling will also be presented.

Fee: \$140.00
Limit: 30
Level: Basic
Location: Oxford Room
Date: September 16 (Monday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: Robert Rowe (608) 798-2993
Faculty: Robert Rowe, D.V.M., Ph.D., Ruben Mapletoft, D.V.M., Ph.D., Edwin Robertson, D.V.M.

Computers Used: No

Description: This seminar provides detailed instruction in all areas of embryo transfer. Information on equipment, supplies, and media will be presented. Topics to be covered include: superovulation; collection techniques (non-surgical); embryo handling, grading, and morphology; media preparation; non-surgical transfer; estrus synchronization programs; donor and recipient herd management; freezing techniques and equipment. Due to an increased opportunity for practitioners to become involved in implanting frozen embryos, a special segment on this subject has been added.

SEMINAR 3

Embryo Transfer: Freezing, Splitting and Culture Principles

Objective: This seminar is intended for the practitioner who is involved in embryo transfer. In this course the most current concepts and techniques involving embryo freezing and evaluating frozen-thawed embryos will be presented.

Fee: \$185.00
Limit: 30
Level: Advanced
Location: Oxford Room
Date: September 17 (Tuesday)
Time: 8:00 a.m. - 5:00 p.m. Lecture
7:00 p.m. - 9:00 p.m. Embryo Evaluation and Splitting Lab.
Coordinator: Edwin Robertson (615) 869-3152
Faculty: Stan Leibo, Ph.D., Joe Wright, D.V.M., Edwin Robertson, D.V.M.

Computers Used: No

Description: Dr. Stan Leibo is recognized as one of the world's leading authorities on cryobiology. He will spend the day discussing cryobiological principles and medias and equipment used for bovine embryo freezing. At the end of the day, participants should have had a thorough review of the most up to date techniques in the field of embryo freezing. In an evening practical laboratory session, post thaw embryo evaluation and thawing techniques will be discussed and demonstrated by the faculty. In addition, an embryo splitting unit will be available and splitting technique will be demonstrated.

SEMINAR 4

Cost Effective Feedlot Consultation

Objective: This seminar is designed for the practitioner who is extensively involved with feedlot clients. It will address the following five specific topics: Treatment procedures, vaccination strategies, enhancing necropsy techniques, aborting feedlot heifers and the effect of morbidity on performance.

Fee: \$175.00
Limit: 30
Level: Intermediate
Location: Yeoman Room
Date: September 19 (Thursday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: G. Kee Jim, D.V.M. (403) 938-5151
Faculty: G. Kee Jim, D.V.M., P. Timothy Guichon, D.V.M., D.G. (Del) Miles, D.V.M., B.E. (Ben) Thorlakson, B. Ag.

Computers

Used: NO

Description: This seminar will be a comprehensive discussion of several topics which are of paramount importance to the feedlot practitioner. Treatment procedures to be covered include antimicrobial therapy, ancillary therapy, hospital management and investigation of treatment failure. The controversial area of feedlot vaccination programs will be critically reviewed and the rational for immunological control of diseases such as BVD, BRSV, and Haemophilosis will be examined. Also, with the aid of AV materials the seminar participants will quickly become "amateur pathologists" as necropsy techniques and relevance of subsequent diagnostic laboratory procedures will be debated. In addition, the relative economics of feeding aborted open and pregnant feedlot heifers will be discussed. Finally, extensive data will be presented regarding the effect of "sickness" on feedlot performance parameters.

SEMINAR 5

Beef Production: Records and Data Analysis

Objective: This seminar will identify those factors which are critical to the operation of the beef business. These critical success factors will be generated from production and economic data bases and combined to provide an overall evaluation of the cow/calf operation. Familiarity with software capable of generating this data for individual beef producers is to be expected from this seminar as well as the ability to interface the data with veterinary practice.

Fee: \$225.00
Limit: 30
Level: Intermediate
Location: Cambridge Room (8:00 a.m. - 5:00 p.m.)
 Knave/Scribe Rooms (7:00 p.m. - 10:00 p.m.)
Date: September 16 (Monday)
Time: 8:00 a.m. - 5:00 p.m. and
 7:00 p.m. - 10:00 p.m.
Coordinator: Kris Ringwall (701) 567-4326
Faculty: Kris Ringwall, Ph.D., Harlan Hughes, Ph.D., Robert Mortimer, D.V.M.

Computers

Used: Yes, 7:00 p.m. - 10:00 p.m.

Descriptions: Utilizing performance, production and economic records in commercial beef cattle operations is critical to their success. Appropriate cow herd appraisal techniques enhance the understanding of overall cow herd production, but can only be achieved through the utilization of carefully selected consultants. The function of this seminar is to provide veterinarians with the tools and skills needed to advise a client on the relative effectiveness of the client's operation in converting available resources to profitable output. Participants will learn to recognize the critical success factors of a successful beef operation, obtain initial bench mark values for each factor and then simultaneously manage the balance between critical success factors.

SEMINAR 6

Managing the Nutrition of Beef Cows Maintained on Forage Based Diets

Objective: This seminar is designed to give the beef cow/calf practitioner current information and practical training in assessing nutritional

adequacy of forage-based diets and in planning appropriate supplementation schemes.

Fee: \$200.00
Limit: 30
Level: Intermediate
Location: Island Room 2
Date: September 17 (Tuesday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: Robert Cochran (913) 532-5654
Faculty: Robert Cochran, Ph.D., Charles Hibberd, Ph.D., John Paterson, Ph.D.

Computers

Used: No

Description: Information will be presented regarding factors which influence dietary sufficiency (e.g., forage quality, intake and availability) and nutrient requirements of beef cows maintained on forage-based diets. Periods of nutrient deficiency will be highlighted as a prelude to planning appropriate supplementation programs for beef-cow herds. Specific attention will be given to formulating supplements by hand and using computer software. Some attention will be directed to specialty issues such as mineral nutrition, fall-calving cow herds, and managing cows on endophyte infected fescue.

SEMINAR 7

Quantitative Methods in Performance Medicine

Objective: This seminar is designed for the practitioner involved in production/performance medicine programs and requiring some basic practical statistics to facilitate proper herd performance monitoring as well as decision analysis. For those with no background in quantitative methods this seminar will serve as a prerequisite for the more advanced practical applications offered in seminar's #17A and #17B on Wednesday, September 18.

Fee: \$125.00
Limit: 50
Level: Basic
Location: Senate/Gallery Rooms
Date: September 17 (Tuesday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: James Ferguson (215) 444-5800 Ext. 2338
Faculty: James D. Ferguson, V.M.D., M.S., David F. Galligan, V.M.D., M.B.A., John Pollak, Ph.D.

Computers

Used: No. Please bring a hand calculator.

Description: This seminar will provide quantitative support for analysis of herd records. Veterinarians involved in dairy and beef practices are often required to evaluate herd performance, yet have little quantitative skills to reliably do this. This course is designed to define data required to analyze herd performance in areas of heifer growth, disease, production, and reproduction. Basic descriptive statistics will be covered. How data may be analyzed via statistical methods for monitoring herd performance will be presented. Assessing performance will be presented. Assessing performance within herds and across herds, and elements of decision analysis in interpreting product recommendations will be heavy on examples and problem solving.

SEMINAR 7A

Quantitative Methods: Advanced Dairy Split

Objective: This seminar is designed for the practitioner involved in production/performance medicine to apply more specifically, the types of data needed to assess trends and performance in areas such as milk production, reproduction, and health.

Fee: \$175.00
Limit: 20
Level: Intermediate—pre-required AABP Seminar 7 or other background experience.

Location: Senate Room
Date: September 18 (Wednesday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: James D. Ferguson (215) 444-5800 Ext 2338
Faculty: James D. Ferguson, V.M.D., M.S., David F. Galligan, V.M.D., M.B.A., John Pollak, Ph.D.

Computers

Used: No. Please bring a hand calculator.
Description: Quantitative methods will be applied to dairy herd production/performance medicine parameters involving production analysis, disease assessment, heifer growth, and analysis of reproductive records.

SEMINAR 7B

Quantitative Methods: Beef Split

Objective: This seminar is designed for the beef practitioner involved in production/performance medicine to more specifically work with the types of data used in interpreting herd trends. Participants will also be instructed in the computer lab on the use of software to generate the critical information and may take software copies home with them if they bring a floppy disk.

Fee: \$225.00
Limit: 20
Level: Intermediate—pre-required AABP Seminar 7 or other background experience.

Location: Gallery Room (8:00 a.m. - 5:00 p.m.)
 Knave/Squire Rooms (7:00 p.m. - 10:00 p.m.)
Date: September 18 (Wednesday)
Time: 8:00 a.m. - 5:00 p.m. and 7:00 p.m. - 10:00 p.m.
Coordinator: MoSalman, D.V.M., Ph.D. (303) 491-7950
 or (303) 491-0353

Faculty: M.E. King, Ph.D., T.E. Wittum, Ph.D.

Computers

Used: Yes (7:00 p.m. -10:00 p.m.)
Description: The emphasis will be on health problem investigations in beef herds, the measurement of disease frequency, and the use of the EIP-Info software program in investigating herd problems. Statistics and their use in beef herd practices will also be explored. There will be two software programs available as part of the registration fee for those bringing a floppy disk. Hands on computer opportunity (30 computers) will be available to gain experience with the software.

SEMINAR 8

Applied Dairy Nutrition and Lab. Problem Solving

Objective: This seminar is designed to give the dairy cattle practitioner basic information and practical training in the area of dairy cattle nutrition.

Fee: \$300.00
Limit: 30
Level: Basic/Intermediate
Location: Captain Room - Tuesday
 (8:00 a.m. - 5:00 p.m.)
 Knave/Scribe Rooms - Tuesday
 7:00 p.m. - 10:00 p.m.
 Cloister North Room - Wednesday
 (8:00 p.m. - 5:00 p.m.)
 Captain Room - Thursday
 (8:00 a.m. - 12 noon)

Date: September 17, 18, 19 (19th - 1/2day)
 (Tuesday through noon Thursday)
Time: 8:00 a.m. - 10:00 p.m. on September 17
 8:00 a.m. - 5:00 p.m. on September 18
 8:00 a.m. - 12:00 p.m. on September 19

Coordinator: Mike Hutjens (217) 333-2928
Faculty: Mike Hutjens, Ph.D., Larry E. Chase, M.S.,

Ph.D., Garrett Oetzel, D.V.M., M.S.

Computers

Used: Yes (Tuesday 7:00 p.m. - 10:00 p.m.)
Description: This seminar provides a comprehensive 2½ day course for veterinarians featuring a problem solving approach to dairy nutrition. The course will include up-to-date lecture style presentations, an optional computer evening to provide “hands on” exposure to a micro-computer and the Illinois computer program, and a problem solving session utilizing actual farm data and experiences. In addition, a hand calculated ration lab will be featured on the last afternoon. The computer lab will be held on the first evening. There will be ample time for questions and one-to-one discussions.

SEMINAR 9

Advanced Dairy Nutrition

Objective: This seminar is designed to provide advanced coverage of current topics in nutrition and feeding management for the dairy veterinarian who is already providing nutritional services.

Fee: \$350.00
Limit: 30
Level: Intermediate/Advanced — pre-required AABP nutrition seminars or extensive field experience.

Location: Captain Room
Date: September 15, 16 (Sunday & Monday)
Time: 8:00 a.m. - 5:00 p.m. on September 15
 8:00 a.m. - 5:00 p.m. on September 16

Coordinator: James D. Ferguson (215) 444-5800
Faculty: James Ferguson, V.M.D., M.S., David Galligan, V.M.D., M.B.A., Linda Baker, V.M.D., Andy Skidmore, D.V.M., Wm. Chalupa, Ph.D., Charles Sniffen, Ph.D.

Computer

Used: No
Description: This seminar is for the practitioner who is already involved with dairy cow nutrition management and is looking for up-to-date information from leading researchers in this field. Topics such as dry cow feeding, lactating cow feeding strategies, body condition management, and feeding for reproduction will be covered. Special consideration will be given to fats, bypass protein, amino acids, and the use of BST. The seminar will address nutritional monitoring for production and profitability.

SEMINAR 10

Ration Formulation on the Microcomputer

Objective: This seminar is designed for the practitioner who is interested in learning the basic concepts of ration formulation with the aid of a microcomputer program. Participants will understand the basic components of ration evaluation and formulation. Prior computer experience with Lotus 123 would be advantageous but not necessary.

Fee: \$350.00
Limit: 30
Level: Intermediate — Pre-required AABP nutrition seminars or experience.

Location: Yeoman Room, Wed. (8:00 a.m. - 12:00 p.m.)
 Knave/Scribe Rooms,
 Wed. (1:00 p.m. - 5:00 p.m.)
 Knave/Scribe Rooms,
 Thurs. (8:00 a.m. - 5:00 p.m.)

Date: September 18, 19 (Wednesday & Thursday)
Time: 8:00 a.m. - 5:00 p.m. on September 18
 8:00 a.m. - 5:00 p.m. on September 19

Coordinator: David Galligan (215) 444-5800
Faculty: David Galligan, V.M.D., M.B.A., James Ferguson, V.M.D., M.S., Linda Baker, V.M.D., Wm. Chalupa, Ph.D., Jim Beech, Ph.D.

Computers

Used: Yes (Wednesday 1:00 p.m. - 5:00 p.m.)
(Thursday 8:00 a.m. - 5:00 p.m.)

Description: This two day seminar will be held in a microcomputer laboratory. The University of Pennsylvania computer program, Dairy LP, will be used. Short lectures covering new nutritional concepts will be followed directly by applications on the computer program. Basic mechanics of ration evaluation and formulation will be demonstrated through example applications. Formulation methodologies will be covered with regard to various feed delivery systems (total mixed ration, stanchion barn systems, combinations, etc.) Common nutritional problems will be discussed in light of ration formulation and evaluation strategies.

SEMINAR 11**Introduction to Microcomputers for Dairy Practitioners**

Objective: This seminar is designed for the practitioner who has no previous experience with microcomputers. The participants will leave with a working knowledge of a word processor, a spreadsheet, modern communications, and DOS, especially copy and backups.

Fee: \$250.00
Limit: 30
Level: Basic
Location: Knave/Scribe Rooms
Date: September 15 (Sunday)
Time: 8:00 a.m. - 5:00 p.m. (evening optional)
Coordinator: Steve Eicker (607) 277-6696
Faculty: Steve Eicker, D.V.M., M.S., John Fetrow, V.M.D., M.B.A., Steve Stewart, D.V.M., Gordon Jones, D.V.M.

Computers

Used: Yes (Sunday 8:00 a.m. - 10:00 p.m.)

Description: This is a learn by doing seminar. Each topic will be discussed for a brief time, then an assignment will be completed by each participant. This will be primarily a hands on experience, with a high faculty-to-participant ratio. Furthermore, each participant will have an opportunity to purchase AABP discount licensed copies of the software used, and the ability to install and use it in their own practice. The instructors will remain for an optional evening session, where additional practice and discussion can occur.

SEMINAR 12**Dairy Production Medicine Using Microcomputers**

Objective: This seminar is designed for the practitioner interested in dairy production medicine.

Fee: \$575.00
Limit: 30
Level: Advanced -- pre-required AABP Seminar #11 or experience with Lotus or Quattro.
Location: Knave/Squire Rooms (Mon. 8:00 a.m. - 7:00 p.m.), (Tues. 8:00 a.m. - 7:00 p.m.), (Wed. 8:00 a.m. - 12:00 p.m.) Yoeman Room (Wed. 1:00 p.m. - 5:00 p.m.)
Date: September 16, 17, 18 (Mon., Tues., & Wed.)
Time: 8:00 a.m. - 7:00 p.m. on Monday
8:00 a.m. - 7:00 p.m. on Tuesday
8:00 a.m. - 5:00 p.m. on Wednesday
Coordinator: John Fetrow (919) 829-4299
Faculty: John Fetrow, V.M.D., M.B.A., Gene Boomer, D.V.M., Steve Eicker, D.V.M., M.S., Gordon Jones, D.V.M.

Computers

Used: Yes (Mon. 8:00 a.m. - 7:00 p.m.), (Tues. 8:00 a.m. - 7:00 p.m.) and (Wed. 8:00 a.m. - 12:00 noon)

Description: The participant must have prior microcomputer spreadsheet experience (Lotus or Quattro) or must take the introductory

microcomputer Seminar # 11 presented the day prior to this seminar. This seminar will provide some of the specialized tools and skills needed to apply his/her knowledge and experience to client dairies and to transform information into profit for both the producer and the practice. Participants will be instructed in the practical aspects of consulting for dairies at the herd production management level. As part of their tuition, participants will receive numerous dairy reference publications as well as the complete Dairy Production Medicine software, including Dairy Herd Monitor and David Galligan's Dairy LP nutrition software. Instruction on how to use these software packages will be part of the course. Each participant must bring DHI Summary sheets for at least the last year from one of their herds to use in the seminar. Day 3 of the seminar will spend some time discussing personal skills development useful to consultation practice.

SEMINAR 13**Monitors of Dairy Herd Performance: DHI and Hand Generated Information**

Objective: This seminar is designed for the dairy practitioner servicing small herds and desiring to understand dairy records and increase the ability to use them to accomplish herd health goals.

Fee: \$300.00
Limit: 30
Level: Basic
Location: Senate/Gallery Rooms (Monday, 8:00 a.m. - 5:00 p.m.), Island 1 Room (Tuesday, 8:00 a.m. - 5:00 p.m.)
Date: September 16, 17 (Monday through Tuesday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: Ken Nordlund (608) 263-7600
Faculty: Ken Nordlund, D.V.M., Ken Leslie, D.V.M., Jeff Reneau, D.V.M., Brian Gerloff, D.V.M., Ph.D.

Computers

Used: No

Description: The focus on this two day seminar is the delivery of production medicine programs including reproduction, mastitis control, nutrition, and replacement rearing. The course centers around interpretation of D.H.I.A. and supplemental records and the use of these records to identify problems, measure progress, and motivate change. The seminar will be changed from previous seminars of the same name to more of a problem solving exercise. Participants will learn to identify herd production problems from D.H.I.A. records, prioritize them, and then set up goals and programs to turn them into opportunities for both the dairyman and the veterinarian. Participants will be provided with reference materials and work sheets to complement problem solving skills.

SEMINAR 14**Measuring and Managing Dairy Herd Reproductive Performance**

Objective: This seminar is designed to provide an update in reproductive physiology, outline the analysis and assessment of reproductive status, and measure the economic impact of reproductive management decisions.

Fee: \$175.00
Limit: 32
Level: Intermediate/Advanced
Location: Cloister South Room
Date: September 19 (Thursday)
Time: 8:00 a.m. - 5:00 p.m.
Coordinator: Jack Britt (919) 737-2768
Faculty: Jack Britt, Ph.D., Jerry Olson, D.V.M., Arden Nelson, D.V.M., Jeff Stevenson, Ph.D.

Computers

Used: No

Description: The focus of this seminar is on problems that are confronted on a daily basis in dairy herds. Emphasis will be on the latest

scientific information regarding reproduction in dairy cattle and focus on new concepts in handling fertility problems. The seminar will deal with such topics as handling and treating postpartum clinical problems, using prostaglandins to manage cycles and heats, use of GnRH to induce cycles and to improve fertility in repeat breeders. Also discussed will be improving reproduction through nutrition on high producing herds, and trouble-shooting problem herds using DHI data as a tool for improving herd reproduction.

SEMINAR 15

Calf/Heifer Production Medicine

Objective: This seminar is in response to a recognized need for dairy practitioners to assist in organizing comprehensive replacement animal monitoring, feeding and housing programs.

Fee: \$225.00
Limit: 30
Level: Basic/Intermediate
Location: Captain Room (Wed. 8:00 a.m. - 5:00 p.m.) and (Thurs. 1:00 p.m. - 5:00 p.m.), Farm tour (Thurs 8:00 a.m. - 12:00 p.m.)
Date: September 18, 19 (Wednesday through Thursday)
Time: 8:00 a.m. - 5:00 p.m. - Wednesday
 8:00 a.m. - 5:00 p.m. - Thursday
Coordinator: Larry Hutchinson (814) 863-2160
Faculty: Larry Hutchinson, D.V.M., Robert Graves, Ph.D., Jud Heinrichs, Ph.D., Art Donovan, D.V.M.

Computers

Used: No
Description: This seminar will provide a systematic, practical approach to implementing replacement rearing under varying farm conditions. Discussion will include: Dry cow nutrition/management, calving time care, feeding/management of calves and heifers, health management, housing environmental control, and monitoring of growth, health and costs. A half-day farm visit will reinforce the classroom presentations. Take-home reference materials will aid in implementing the procedures presented.

SEMINAR 16

"Channel 6 Wants to Talk to You" (Co-sponsor: The Monsanto Co.)

Objective: This seminar for practitioner and/or spouse will provide the registrant an opportunity for additional insight and experience when encountering media representatives on issues in which they may be involved or expected to provide opinion.

Fee: \$50.00 (includes noon lunch)
Limit: 40 (practitioner/spouse)
Level: Basic
Location: Cloister North Room, BV Palace
Date: September 19 (Thursday)
Time: 12:00 p.m. - 5:00 p.m. (includes lunch)
Coordinator: G. Ashby Green - Monsanto Co. (314) 694-3589 or FAX# (314) 443-2458
Faculty: G. Ashby Green, D.V.M., Hill & Knowlton Public Relations Co., Wm. Kearley, D.V.M., Jamie Kester — NCA representative

Computers

Used: No
Description: Following a noon "get-acquainted" lunch, a faculty of diverse background in communications will discuss the basic principles media representatives apply in creating or following a story. Tips will be presented for registrants to effectively express their viewpoints on important issues. Ways to avoid pitfalls in a probing or confrontational interview will also be explained. Role playing opportunities will be provided to simulate a media event involving one-on-one interviews.

SEMINAR 17

Management Oriented Introductory Computer Concepts

Objective: Practitioners and/or spouses are invited to this half day basic seminar which will familiarize a computer non-user with micro-computers, computer terms, software, and basic applications for practice management.

Fee: \$100.00
Limit: 60
Level: Basic
Location: Knave/Scribe Rooms
Date: September 20 (Friday)
Time: 8:00 a.m. - 12:00 p.m.
Coordinator: Patty Scharko (902) 566-0879
Faculty: Patty Scharko, D.V.M., M.P.H., Jim Ehrlich, D.V.M., Barry Stahlbaum, BSc., Pam Ruegg, D.V.M., Ph.D., Liz Spangler D.V.M., Ph.D.

Computers

Used: Yes (8:00 a.m. - 12:00 p.m.)
Description: An overview of computer hardware, DOS, and computer communications will help form a knowledge base. The applications will promote computer enhanced practice management and general accounting. Most of the seminar will concentrate on an area of the participants choice in either word processing, spreadsheets, or database. An enrollment of 60 participants will allow two people at each of 30 computers. A faculty of 5 experts will be available to give personal attention.

SEMINAR 17A

Application of Computer Concepts to Practice Management

Objective: This seminar will provide additional hands on opportunity for spouses and/or practitioners to experiment and become familiar with the use of practice management type software.

Fee: \$175.00
Limit: 30
Level: Intermediate — pre-required is seminar #17 or some limited previous experience with microcomputers and business use software.
Location: Knave/Scribe Rooms
Date: September 20 (Friday)
Time: 1:00 p.m. - 5:00 p.m.
Coordinator: Patty Scharko (902) 566-0879
Faculty: Jim Ehrlich, D.V.M., Barry Stahlbaum, BSc., Pam Ruegg, D.V.M., M.P.V.M., Al Snyder, D.V.M., Mary Oaks, MS Computer Science.

Computers

Used: Yes (1:00 p.m. - 5:00 p.m.)
Description: This seminar is designed to show you practical application of software useful in practice management and the ease with which it can be added to your computer. Among the subjects covered will be client billing and accounting, producing forms and labels, setting up a FAX with a computer, and introduction to programs such as PC tools and Norton Commander which are useful in organizing computer files and a hard disk. Also presented will be programming tidbits on spreadsheets, micros and data base programs.

SEMINAR 18

Spouse Program I. Surviving Stress

Objective: This seminar is designed to give another perspective to managing under the pressures of today's modern life. A staff member of the Florida Hospital in Orlando, Dr. Luckman will bring years of experience with this problem to the seminar.

Fee: \$30.00
Limit: 30 minimum
Level: All

Location: Cloister South
Date: September 19 (Thursday)
Time: 8:00 a.m. - 9:00 a.m.
Coordinator: Peg Sackett
Faculty: Roy Luckman, Ph.D.

Description: Tense muscles, insomnia, fatigue, cramps, headaches, depression; these are symptoms of stress that we have all experienced. Such short-term responses are annoying, but the long-term effects are devastating. According to the American Academy of Family Physicians, two-thirds of all visits to a doctor's office are stress related. Stress dramatically shortens our lives and just as dramatically affects our quality of life. Identifying stress and learning to reduce or eliminate it is the focus of this seminar. Effective techniques for reducing stress from situations beyond your control are given which can turn stress from a damaging negative experience into a positive motivational force.

SEMINAR 19 **Spouse Program II.**

A Spouse's Role in Wealth Accumulation and Management

Objective: During the operation of today's busy practice, many practitioners find it difficult to stay up with the progress being made in science. The financial rewards of practice require additional time and know how to insure that maximum benefit is received from time spent in veterinary practice.

Fee: \$25.00
Limit: 40 minimum
Level: All
Location: Oxford Room
Date: September 21 (Saturday)
Time: 8:00 a.m. - 9:00 a.m.
Coordinator: Peg Sackett

Description: A panel discussion concerning the creation, management and preservation of capital and the development of a plan to provide for your retirement. Representing these various aspects, an estate planner, insurance specialist, and a trust officer will address a person's role as owner of wealth and/or as beneficiary.

SEMINAR 20 **Spouse Program III.**

The Magic of Ming Cooking Class/Lunch

Objective: Would you like to get a chance for a hands-on learning experience about the secrets of gourmet Chinese cuisine, and then be able to immediately enjoy the fruits of your efforts? The exclusive Ming Court Chinese cooking class will provide just that.

Fee: \$35.00
Limit: 30 minimum
Level: All
Location: Ming Court on International Drive (transportation from Buena Vista Palace provided with tour)
Date: September 21 (Saturday)
Time: 11:00 a.m. - 1:30 p.m.
Coordinator: Peg Sackett
Faculty: Ming Court Staff

Description: Participants will enter Ming Court through a Pagoda into the courtyard lounge, a natural garden setting architecturally reminiscent of the Ming Dynasty's gardens. One of the Dim Sum chefs will provide instructions as to the preparation of Chinese appetizers, following which will be a competition among the participants for the best Wonton or Spring roll. competition completed, one of the chefs will demonstrate the secrets to successful stir-fry cuisine by preparing the main entree. This dish will be prepared in the traditional Chinese manner in a wok with special spices and ingredients, as well as a regular pan. The object is to show the adaptability of traditional Chinese cooking using regular cooking utensils and ingredients. Following this segment will be a question and answer session which will conclude with the

scrumptious lunch especially prepared for the seminar participants.

SPOUSE HOSPITALITY RECEPTION

**Welcome to Florida,
How Soon Will You Be Leaving?**
Bob Morris

Thursday, September 19
7:30 p.m. - 8:30 p.m.

Location - England Room

Some 40 million tourists poured through Central Florida last year. Another 500,000 retired to the Sunshine State. Who knows how many immigrated to Florida from the Caribbean and Central America? Not to mention all of the other stuff that is dropped into Florida by planes. Bob Morris a columnist for the Orlando Sentinel, and previously from Miami, will share a humorous and irreverent look at the melting pot that is becoming the Sunshine State. And he will display his talent as a tasteful equal opportunity offender. New York or Ohio, Georgia or Minnesota, it doesn't matter. Floridians are besieged with visitors from everywhere and Morris has jokes and anecdotes about all of them. Also, everything the Chamber of Commerce doesn't want you to know about our great state, and more. Please plan to attend for an enjoyable and entertaining session while the veterinarians in the crowd are engaged in Practice Tips and Research summaries.

No charge

NIGHT MAGIC AT SEA WORLD

Friday, September 20

5:00 p.m. - 10:00 p.m.

SEA WORLD of ORLANDO

Transportation from Buena Vista Palace - 5:00 p.m. - 6:00 p.m.

Visits to Exhibits - 5:30 p.m. - 6:30 p.m.

Reception at the Penguin Exhibit - 6:30 p.m. - 7:00 p.m.

Sea Lion and Otter Show - 7:00 p.m. - 7:30 p.m.

Dinner - 7:45 p.m. - 8:45 p.m.

Shamu Night Magic Show - 9:00 p.m. - 9:30 p.m.

Transportation to Buena Vista Palace - 9:45 p.m. - 10:30 p.m.

Description: You are going to love this exciting and special evening. Arranged in concert with staff veterinarian, Dr. Deke Buesse, this should provide a night to remember. The palace will be open for use from 5:00 p.m. to 6:30 p.m. We'll gather around for an opening reception to enjoy the antics of hundreds of formally dressed inhabitants of the Penguin Encounter. Then we'll get to laugh as sea lions Clyde and Seamore take a slightly off-center look at life. The menu for the evening meal will be barbecued beef and barbecued chicken to highlight the open air encounter we'll be having. The rest of the fixings will fill out the menu and fill up in preparation for the grand finale. Our second private show of the evening will put Shamu, the one and only, in a different light as we'll be treated to the Shamu Night Magic show. This will be an opportunity for entertainment and bovine practitioner fellowship that doesn't come along more than once in a blue moon. Please plan to join us for the Night Magic at Sea World.

\$35.00 per person

\$33.00 per child

SPOUSE HOSPITALITY ROOM

A spouse hospitality room will be available from Wednesday, September 18 through Saturday, September 21 with daily hours from 8:00 a.m. to 5:00 p.m.

The Cambridge Room, Buena Vista Palace will serve as the hospitality room each day. Refreshments will be available and are, in part, the courtesy of the Upjohn Company.

TOURS

TOUR 1

Pre-Convention Tour
Wednesday, September 18
6:30 a.m. - 4:30 p.m.

Here is your chance to see meat and milk production, Florida style. This is one consideration that Walt Disney did not have in his plans, so this is one time that we'll have to leave the Orlando area for entertainment. We'll travel to Okeechobee to visit two large dairy operations and an ultra-progressive cow-calf operation. One of the dairy operations milk 5,000 cows and should be totally 3x milking by the time we arrive. The cows are housed in open lots with access to feeding barns similar to free stall barns however, without the free stalls. The other herd milks around 2,500 head and utilizes free stall housing exclusively. Both operations should give us plenty of opportunity to learn about and discuss heat stress reduction from some dairymen who have had more experience at it than they probably want.

You will get a chance to visit one of the premier beef cattle operations in South Florida. This herd has maximized the benefits of cross-breeding over their history and should provide an interesting afternoon of fact-finding for us. The two hour ride to and from the area is a prerequisite but should allow plenty of time for becoming reacquainted with old friends and making new friends. Lunch will be served courtesy of Life Sciences, Inc., during the tour and will have, among other selections, the locally famous "swamp cabbage". Please come along and enjoy what South Florida has to offer in the way of meat and milk production.

No charge

Transportation and lunch are being provided by Lextron, Inc./Life Sciences.

TOUR 2

Universal Studios
Wednesday, September 18
9:30 a.m. - 3:30 p.m.

Guests will be warmly greeted at the Universal Studio's gates by the character cast including Frankenstein and ET, everyone's favorite Extraterrestrial. Guides will escort guests to participating shows including flying, or biking high with ET to a planet where flowers shower you with songs. Meet the greatest monster in movie history, all 30 feet and 13,000 pounds of King Kong and swim with America's favorite Great White Shark, Jaws. Guests will be guided through set streets including San Francisco Bay, a New England Village, all of the sights and sounds of Beverly Hills, Rodeo Drive, and Sunset Boulevard, and the sets of New York include Central Park, Little Italy, and a quaint street of Brownstone apartments. Transportation will depart from and return to the Buena Vista Palace.

\$40.00 per person, lunch on own

TOUR 3

Innovations in Action
Behind the Scenes at the Walt Disney World Resort
Thursday, September 19
10:00 a.m. - 3:00 p.m.

See the Walt Disney World Resort like you have never seen it before. Visit locations "on-stage" and "behind-the-scenes" that make the Walt Disney World Vacation Kingdom truly an Experimental Prototype Community of Tomorrow. During an opening presentation at the Buena Vista Palace, you will be given the highlights of the events of Walt Disney's career that led to the announcement of the Walt Disney World Resort. A short audio-visual presentation introduces the experimental community that Walt Disney dreamed of creating. The group will then depart for Walt Disney World Resort. This program explores the backstage areas of the complex, but does not tour the Magic King-

dom Park or Epcot Center, therefore is limited to adults 17 years of age or older.

You'll visit beneath the Magic Kingdom Theme Park, the site of the utilidor or tunnel system that houses a network of offices, utility systems, "cast member" wardrobes, and break areas. In a brief overview, you will see why the utilidor is an innovation in building applications and why it is a vital infra-structure for the smooth operation of the park above. You'll see the world's largest working wardrobe encompassing thousands of park employees or "cast members". Visit the location where the live show "magic" is made, the Production Center. The beautiful landscaping has its origins installation around the Vacation Kingdom. This is a limited spot on this tremendous opportunity.

\$50.00 per person, lunch on own

Maximum: 30

17 years of age or older only

TOUR 4

Tiffany at Winter Park
Thursday, September 19
9:30 a.m. - 3:30 p.m.

Enjoy a day in the quaint and beautiful town of Winter Park. Wind through old brick streets that are canopied by live oak trees as you view the old neighborhoods of Winter Park. Sparkling blue lakes are joined by picturesque cypress-lined canals and some of the most elegant homes and gardens may be viewed on the tour. One of the highlights of this trip will be a visit to the Morse Gallery of Art, where the largest private collection of Tiffany glass in the world is on display. The Gallery has on permanent display many of the windows that L.C. Tiffany had installed in his home, Laurelton Hall. Guests will have time to shop at the many fine shops, boutiques, and galleries along Park Avenue in Winter Park. A delightful luncheon will be planned at one of the elegant French restaurants in the area. Transportation will depart from and return to the Buena Vista Palace.

\$40.00 per person, luncheon included

TOUR 5

Cypress Gardens
Friday, September 20
9:30 a.m. - 4:00 p.m.

Depart the Buena Vista Palace to travel across the rolling hills of Central Florida and through orange groves to Cypress Gardens, home of the first and still the finest water-ski show. Walk or take a boat ride through the exquisite gardens that have made this attraction so famous. Or visit the exciting Living Forest, home to rare animals and birds where you participate in exotic aviary and alligator shows. Meet graceful Southern Belles and shop in the antebellum village, Southern Crossroads. There are many shows to choose from, including the More than Magic presentation in the Cypress Theater. Return trip transportation will arrive at the Buena Vista Palace.

\$36.00 per person, lunch on own

TOUR 6

Universal Studios
Friday, September 20
9:30 a.m. - 3:30 p.m.

Guests will be greeted at the Universal Studios gates by the character cast including Frankenstein and ET, everyone's favorite Extraterrestrial. Guides will escort guests to participating shows including flying, or biking with ET to a planet where flowers shower you with songs. Meet the greatest monster in movie history, all 30 feet and 13,000 pounds of King Kong and swim with America's favorite Great White Shark, Jaws. Guests will be guided through set streets including San Francisco Bay, a New England Village, all of the sights and sounds of Beverly Hills, Rodeo Drive, and Sunset Boulevard, and the sets of New York include Central Park, Little Italy, and a quaint street of

Brownstone apartments. Transportation will depart from and return to the Buena Vista Palace.
\$40.00 per person, lunch on own

TOUR 7

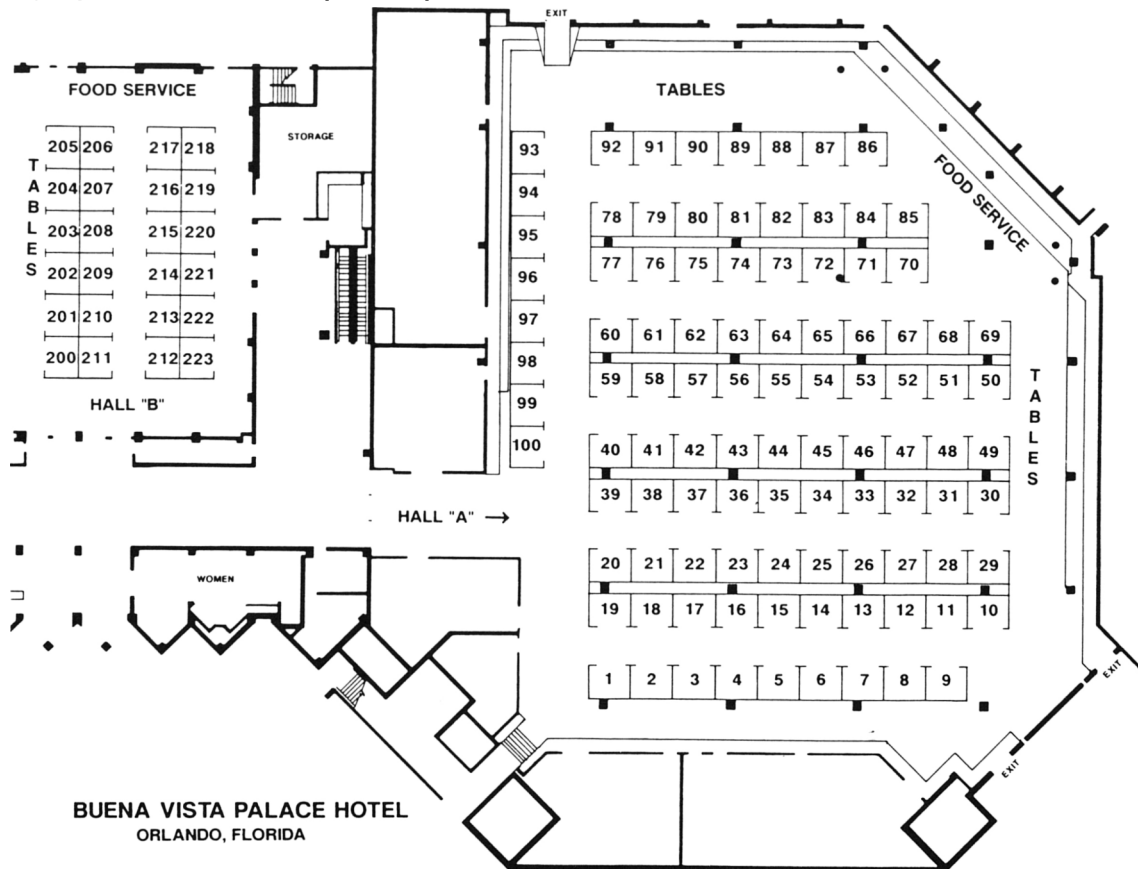
Tiffany at Winter Park
Saturday, September 21
9:30 a.m. - 3:30 p.m.

Enjoy a day in the quaint and beautiful town of Winter Park. Wind through old brick streets that are canopied by live oak trees as you view the old neighborhoods of Winter Park. Sparkling blue lakes are joined by picturesque cypress-lined canals and some of the most elegant homes and gardens may be viewed on the tour. One of the highlights of this trip will be a visit to the Morse Gallery of Art, where the largest private collection of Tiffany glass in the world is on display. The Gallery has on permanent display many of the windows that L.C. Tiffany had installed in his own home, Laurelton Hall. Guests will have time to shop at the many fine shops, boutiques, and galleries along Park Avenue in Winter Park. A delightful luncheon will be planned at one of the elegant French restaurants in the area. Transportation will depart from and return to the Buena Vista Palace.
\$40.00 per person, luncheon included

EXHIBITS SITE

Buena Vista Palace
Exhibit Hall
and
Great Hall East/West
HOURS

Wednesday, September 18 2:00 p.m. - 7:00 p.m.



AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS
SEPTEMBER 19-22, 1991

Thursday, September 19
Friday, September 20

9:00 a.m. - 4:00 p.m.
9:00 a.m. - 4:00 p.m.

Exhibits are an Important Part of the AABP Conference

The exhibits will be open 19 hours for 2½ days in 1991. Special features for the exhibitors are:

Pre-convention Hours: The exhibits will be open from 2:00 - 7:00 p.m. on Wednesday, September 18. This will provide arriving veterinarians with an opportunity to visit the exhibits before the general session programs begin.

AABP Reception & Mixer: This is a mixer/buffet that will take place in and adjacent to the exhibit areas from 5:00 p.m. - 7:00 p.m., Wednesday, September 18.

The Bovine Giveaway: Veterinarians are encouraged to put their business cards in a gallon milk jug at each company's exhibit. Five of these jugs are selected for a business card drawing: one card from each jug. Each winner receives a \$100.00 check from the AABP. Not only does this drawing increase booth exposure, but the cards also provide the exhibitor with the veterinarian's names and addresses.

Halfhour coffee/milk breaks are held in the exhibit area during the morning and afternoon programs on Thursday and Friday.

Thursday and Friday luncheons are not included in the conference registration fees as in previous conferences. Lunch may be purchased in or adjacent to the exhibit areas on Thursday and Friday. Luncheon breaks are one and one half hours in duration.

Veterinarians come to the AABP Conference to learn new ideas and concepts which will strengthen their professional activities. Exhibits are an important part of this educational process and we look forward to your participation.

1991 AABP Conference Exhibitors

EXHIBITS OPEN

The commercial and educational exhibit hall offers a modern showcase of veterinary products and services—the biggest trade show exclusively for cattle veterinarians at any meeting! Exhibits will be open 19 hours for 2 1/2 days. You will be inundated with biological, pharmaceutical and agricultural technical information throughout the day, including breaks and lunch time. Expand your educational processes and show your appreciation to the exhibitors who are an integral part of the AABP Annual Meeting.

Samuel Hutchins, 3rd, DVM
South Barre, VT
Exhibits Manager



BOVINE GIVE-A-WAY

Five practitioners can win \$100.00 each by visiting the exhibit area. Bring business cards to deposit in milk cartons at each exhibit booth. Winners will be announced at the AABP business lunch on Saturday, September 21. All veterinarians registered at the meeting are eligible.

83

Accu-Med Corporation

270 Marble Avenue, Pleasantville, NY 10570

Accu-Med Corporation will exhibit Accu-CulShure, a unique anaerobic and aerobic culture collection and transport system, which provides for cytological and culture specimen with one entry. Also efficient for fungus, yeast, mycoplasma, and ureaplasma. Available in two sizes for uterine, pharyngeal, nasal, tracheal, bladder or any deep cavity culture site where specimen integrity is a concern. New foil packaging provides a two-year shelf-life. Try Accu-CulShure for ease of use and better specimen recovery.

15

Advanced Veterinary Systems

3410 Sky Park Blvd., Eau Claire, WI 54701

AVS is a customized computer system designed by veterinarians to accommodate both large and small animal practices. Affordable, upgradable software modules feature fee standardization with selective discounting, single invoicing, herd health calendars and separate herd records; the system can start small and grow with the practice. Multi-users may perform multiple tasks simultaneously.

94

Agtech, Inc.

P.O. Box 1222, Manhattan, KS 66502

AGTECH, INC. serves the embryo transfer practitioner with a complete inventory of cattle embryo collection/freezing/transferring products. The knowledgeable staff at AGTECH has hands-on experience with its inventory and is happy to discuss product use and application when taking your order. AGTECH — the "one-stop" source for all of your embryo transfer product needs!

31

Albion Laboratories, Inc.

101 N. Main, Box 750, Clearfield, Utah 84015

Albion Laboratories' Metal Amino Acid Chelated Minerals & formulas such as Breeder Pac, Nutri-Sol, CM²Z, Replamin Liquid, Embryo Transplant Program and other formulas featuring Breeding Problems, etc.

88

Alfa-Laval Agri, Inc.

11100 N. Congress Ave., Kansas City, MO 64153

De Laval — the world's largest dairy supplier is right next door.

48

American Breeders Service

P.O. Box 459, De Forest, WI 53532

Featuring Alcide brand uddercare products — UDDERgold Germicidal Barrier Teat Dip, 4XLA Germicidal pre/post dip, SilverQUICK Germicidal udder wash developed to reduce the spread of mastitis-causing organisms. Also Bullseye milk progesterone test. Includes product samples, pictures, and printed materials explaining product properties and efficacy. Also featuring ABS sires and services.

28,29

American Cyanamid

One Cyanamid Plaza, Wayne, NJ 07470

American Cyanamid will be displaying its health and feed products — AUREO® S-700 Medicated Premix and Crumbles, AUREOMYCIN® Medicated Premix, PRESPONSE® Pasteurella haemolytica Toxoid, and WARBEX® Pour-on — Technical Service and Sales personnel will be present.

62

Animal Software Programs

3748 N. College Ave., Jackson, AL 36545

A "complete" software program designed specifically for bovine practitioners. This unique system is user friendly and extremely flexible. A practice building tool for the bovine specialist and the mixed practitioner.

25

AVMA Group Health & Life Insurance Trust

55 E. Jackson Blvd., 8th Floor, Chicago, IL 60604

Personnel from the Trust will be at the booth to answer any questions you may have concerning the AVMA Group Health & Life Insurance Plan for members, their dependents, and employees.

26

AVMA Professional Liability Insurance Trust

55 E. Jackson Blvd., Chicago, IL 60604

Here is the place to have your questions about malpractice and/or workers' compensation answered by representatives of the AVMA Professional Liability Insurance Trust and the broker, Mack and Parker. They will be on hand to help you with potential claims or technical questions.

55,56,57

Babson Bros. Co. "SURGE"

1880 Country Farm Drive, Naperville, IL 60563

"SURGE" Dairy Farm Pipeline Equipment and Related Products. TEAM Products.

76,77

Bio-Ceutic

2621 North Belt Highway, St. Joseph, Missouri 64506-2002
Bio-Ceutic offers a variety of biologicals, pharmaceuticals and insecticides. Use Naramune™ 2 for prevention of canine cough. Ask about Bio-Tal®, the most commonly used ultra-short-acting anesthetic. Also featured is Elite 4™ and Elite 4-HS, a natural white killed IBR-BVD-PI3-BRSV produced in the EDGE BioGrowth™ System, for unsurpassed purity and potency. Bio-Ceutic products are available through our national network of distributors.

211

Bou-Matic

P.O. Box 8050, Madison, WI 53708

Bou-Matic sanitation products featuring SuperDip teat dip, a vacuum recorder and an activity tag for estrus detection.

50,51,52

Bowie Manufacturing, Inc.

313 South Hancock, Lake City, IA 51449

Come see the talk of the veterinary world!! Bowie's "GALAXY" chassis-mount mobile clinic. The design of the 90's. Ask our representative about the convention specials.

Check out the Bowie X-ray generator and Bowie/Polaroid instant processor. As always, Bowie sets the standard for quality.

8

Burns Veterinary Supply

2725 Northwoods Pkwy., Norcross, GA 30071

Burns Veterinary Supply, since 1946, has been supplying the Veterinary profession with quality pharmaceuticals, biologicals and equipment. Stop by our booth for our convention specials.

78,79

The Butler Company

5000 Bradenton Avenue, Dublin, OH 43017

American Association of Bovine Practitioners members and guests are cordially invited to stop by The Butler Company booths where the latest and most up-to-date hospital equipment, instruments and devices will be available for your inspection. Also on display will be the largest variety of pharmaceutical and biological products available through an ethical veterinary distributor.

5

Church & Dwight Co., Inc.

469 N. Harrison Street, Princeton, NJ 08543-5297

Church & Dwight Co., Inc., makers of ARM & HAMMER® products including MEGALAC® Rumen Bypass Fat and Feed Grade Sodium Bicarbonate, will provide product literature, technical and sales information. Computer simulation of dairy rations using MEGALAC® and sodium bicarbonate will demonstrate proper application of these products.

64

Classic Medical Supply, Inc.

19940 Mona Road, Suite 1, Tequesta, Florida 33469

Diagnostic ultrasound offers the user early pregnancy diagnosis, back fat thickness and rib eye size. Now with computer interfacing the user can store images and perform off-line measurements. See the latest imaging and computer interfacing or call (800) SCAN-VET.

65

Ecolab/Klenzade

Ecolab Center North / 13, St. Paul, MN 55102

Cleaners, sanitizers, and udder health products for the dairy industry.

95

Eidson Associates, Inc.

P.O. Box 16204, Minneapolis, MN 55416

Exhibiting NEW POW'R DOSERS...Air-Powered, Automatic/adjustable syringes, drenchers, 'pour-on' applicators...Ruggedly constructed for Sustained use, ideal for large commercial operations where concern for High Efficiency and Operator Fatigue are important.

Introducing: POW'R Dehorn...NEW Powered Dehorner.

38

Elanco Animal Health

Lilly Corporate Ctr., Indianapolis, IN 46285

7

Encyclopaedia Britannica USA

310 S. Michigan Ave., Chicago, Illinois 60604

As part of our exhibit, we will have on display the New Encyclopaedia Britannica, Great Books of the Western World, plus a complete line of educational accessories.

208

Farm Plan Corp.

8402 Excelsior Dr., Madison, WI 53717-1909

Farm Plan is designed to provide convenient credit to rural businesses and their customers. More than 2,000 merchants and 500,000 farmers participate in this program.

Improve cash flow and reduce credit related-risk, while providing an interest free or flexible payment plan to your clients.

Farm Plan Corporation is a subsidiary of John Deere Credit Company. Call 1-800-242-4878.

97

Fisons Animal Health

Ste. 230, 1221 Nicollet Mall, Mpls., MN 55403

Colostrx® has been instantized to improve its mixability. It still retains its ability to deliver a guaranteed quality and quantity of Ig's. Add its USDA license as an aid in the prevention of K-99 *E coli* scours and Colostrx becomes the obvious choice. Please stop by our booth to learn about this and Colostrx's next improvement.

30

Flying W Livestock Equipment

Rt. 1 Box 27, Watonga, OK 73772

Flying W Livestock Equipment is exhibiting their "VET SPECIAL" hydraulic chute with hydraulic headbender. Offering: *the heaviest construction available, *safety features for operator and animal, *one man operation, *quiet, motor-driven pump coupling, *hydraulic side exit, *rebar floor, *head hold-down chains, *medicine hooks. Free consultation and video viewing at booth.

9

For-Most, Inc.

P.O. Box 322, Hawarden, IA 51023

FOR-MOST can supply you with a full line of heavy duty livestock handling equipment: Headgates, Squeeze Chutes, Tip-Chute, Crowding Tub and Adjustable Alley Ways, Portable Corral and Alley Panels, Hog Catcher, also livestock scales. The foremost in livestock handling equipment since 1962.

39

Fort Dodge Laboratories

800 5th Street NW, Fort Dodge, Iowa 50501

Visit the Fort Dodge Laboratories' booth and get the latest information on our line of bovine biologicals including several new combinations — Triangle 4+HS, Triangle 3+PH-K, and Triangle 9+PH-K; as well as Trichguard, the first federally licensed vaccine for protection against trichomoniasis. Also, all our line of bovine pharmaceuticals.

71

Gist-brocades Food Ingredients, Inc.

2200 Renaissance Blvd., Suite 150, King of Prussia, PA 19406

Gist-brocades Food Ingredients, Inc. will be featuring DELVOTEST®, a standard diffusion test for the determination of antibiotic residues in milk. Gist-brocades is also manufacturers of DELVOCID® — mold & yeast inhibitor for cheese, KID & CALF LIPASE - animal lipases, PICCAN-TASE® — microbial lipase, MAXILACT — yeast lactose, CHEESE COLOR and MAXIREN® — 100% pure chymosin.

43

Glenwood, Inc.

83 N. Summit Street, Tenaflly, NJ 07670

Glenwood Inc. will exhibit the INTRAMUSCULAR Calcium/Phosphorus product Calphosan® Suspension. This time-tested product is used as an aid in the treatment of milk fever in cattle.

53,54

Grand Laboratories, Inc.

Box 1050, Freeman, SD 57029-1050

Grand Laboratories, Inc. will be featuring our expanding line of federally-licensed products, including Poly Serum™, a bovine-origin antiserum against *corynebacterium pyogenes*, *salmonella typhimurium*, *pasteurella multocida*, *pasteurella haemolytica*, and *escherichia coli*.

35,36

Haver

P.O. Box 390, Shawnee, KS 66201

Haver will display their complete line of Bovine Biologicals which includes Horizon, Blacklegol, and Vibralone products. Also displayed will be Haver's excellent line of Pharmaceuticals and Insecticides with emphasis on Deliver, Estrumate, Spotton and Sun Up.

32

Hoard's Dairyman

28 Milwaukee Avenue W., Fort Atkinson, WI 53538

Hoard's Dairyman magazine has served the dairy industry for 106 years. Our books reflect the magazine's wide scope: mastitis, embryo transfer, total mixed rations, calf care and more. Our exhibit features titles most useful to the bovine practitioner as references or as client premiums. See our new TMR book and new body condition scorecard.

18,19

Hoechst Roussel Agri-Vet Co.

Route 202-206, Somerville, New Jersey 08876-1258

Hoechst Roussel Agri-Vet Company to improve the growth and performance of dairy and beef cattle. Among their products are: Lasix, Panacur, Finaplex and Revalor.

27

Hoffmann-La Roche Inc., Animal Health

340 Kingsland Street, Nutley, NJ 07110

Roche Animal Health will be featuring our full line of Albon® sulfadimethoxine products and Rocavit® injectable vitamins along with Bovatec® for cattle.

203

Ideal Instruments

401 N. Western Ave., Chicago, IL 60612

Ideal Instruments will be featuring the ELECTRO JAC™ ejaculator, the most advanced ejaculator on the market. Also featured will be the THERMO PROBE, as well as Ideal's complete line of O.B. Equipment.

91

Idexx Corporation

100 Fore St., Portland, ME 04101

IDEXX has a full line of dairy and food quality assurance tests. Easy-to-use, hand-held ELISAs provide fast, accurate results in the field or laboratory. Tests for milk/serum progesterone and antibiotic residues will be featured at the show as well as the new DNA PROBE test for Johne's disease in cattle.

47

ImmuCell Corporation

P.O. Box 452, Waukesha, WI 53187-0452

*ImmuCell Corporation is a biotechnological company focused on antibody-based enteritis products. The first product to come from this technology is a non-refrigerated capsule administered to a newborn calf within ten hours of birth that will have USDA clearances against *E. coli* and Coronavirus. Additional antibody products for use in Bovine, Canine, Swine, and Equine are underway in research.*

ImmuCell currently manufactures and markets several diagnostics including R-CYST, a cystic ovary test, RJT, a Rapid Johne's Test, and RMT, a Rapid Mastitis Test.

90

ImmunoVet, Inc.

5910-G Breckenridge Parkway, Tampa, FL 33610

ActiDine™ Teat Dip Concentrate:

Non-irritating teat dip which may be used as a dip or spray for pre and/or post milking treatment. Two studies at a leading university showed ActiDine so effective against the most common mastitis-causing pathogens that it reduced infection rates by almost 94% with no adverse effects on teat skin.

205

Immvac, Inc.

6080 Bass Lane, Columbia, MO 65201

IMMVAC, Inc is pleased to introduce ENDOVAC-Bovi™, the first and only federally-approved vaccine for protection against Salmonella, Pasturella, E. coli and virtually all gram-negative bacterial infections in cattle. This remarkable "cross-protective" vaccine is indicated for use against endotoxin-mediated diseases such as Coliform mastitis, neonatal septicemias/diarrheas and Pasturellosis.

80

Impromed, Inc.

340 Ohio Street, Oshkosh, WI 54901

IMPROMED, Inc. will be exhibiting the powerful practice management software which set the industry standard in the early 1980's. IMPROMED will also be demonstrating the PROVIDES diagnostic software which is now being marketed world-wide. Completing the product line is vDRUG, the comprehensive veterinary drug and usage guide program which supplies on-line references for veterinary pharmaceuticals and Active Learning, and interactive continuing education program for veterinarians.

All programs are DOS compatible and are offered in either the single or multiuser versions on IBM PS/2 or Acer computers. Multiuser utilities are provided by the industry standard Novell Netware.

99-100

Jorgensen Laboratories, Inc.

1450 N. Van Buren Ave., Loveland, CO 80538

We will be exhibiting our complete line of OB instruments, including the Hercules zig zag calf puller, embryo transfer catheters and Danish line of rubberized OB apparel. Don't miss our slide tape presentation of the new Grymer/Sterner Toggle suture method for repair of left displaced abomasum.

84,85

Kane Enterprises, Inc.

P.O. Box 360, Sioux Falls, SD 57101

Displaying AG-TEK Veterinary Products, including the AG-TEK "Poly-Sleeve" and "Maxi-Sleeve" OB gloves; the new AG-TEK "Poly-Boot" and "Maxi-Boot" with ties and the complete line of AG-TEK Veterinary Apparel.

74

LaBoit Inc.

2156 Britains Lane, Columbus, OH 43224

Manufacturers of fine-quality mobile inserts and van conversions for veterinary use. Also see our line of X-ray support equipment such as our patented X-ray cassette holder and X-ray footplate.

3

Land O'Lakes, Inc.

2827-8th Avenue South, Fort Dodge, IA 50501

Land O'Lakes, the original developer of calf milk replacer, will feature its full line of calf products. Proprietary products that have been developed from Land O'Lakes long-term research commitment will be shown. Veterinarians will be able to order an educational video on calf raising produced by Land O'Lakes.

46

Large Animal Veterinarian

122 S. Wesley Ave., Mount Morris, IL 61054

LARGE ANIMAL VETERINARIAN is published bimonthly, directing its message to large animal veterinarians, providing a concise, quick-to-read format covering: preventive medicine, nutrition, animal environment, genetics, production management, new technology and regulatory impact.

13

The Magrath Company

404 West B St., McCook, NE 69001

The Med-Pump — Newest device for administering Pour-On insecticides and oral dosing of cattle. 12 volt DC Battery clip or 110/115 AC plug-in models available.

Digital Temperature Probe — Large digital readout, easy to read. Reads to tenth of degree. Fast and Accurate.

4

Master Magnetics, Inc.

607 S. Gilbert, Castle Rock, CO 80104

New improved design, heavy duty cow magnets for preventing hardware disease. Both the heavy duty model and the standard Alnico Cow Pill will be featured. Many other types of magnets are also available from Master Magnetics.

207

MDS Incorporated

1640 Central Ave., St. Petersburg, FL 33712

23,24

Merck AgVet

P.O. Box 2000 — WBF-445, Rahway, NJ 07065-0912

MSD AgVet Sales Representatives and Technical Service Veterinarians will be available to discuss our broad array of Ivermectin products; specifically our new Ivomec Pour-On and Ivomec-F formulations, but will also include Ivomec 1% cattle injection, and Ivomec Swine products (available in 1% or 0.27% injectable concentrations). Other featured products include Corid, the only product available for treatment and prevention of coccidiosis, TBZ and HEARTGARD-30 chewables.

66

Merritt Veterinary Supply

P.O. Box 188, Sumter, SC 29151-0188

Veterinarians come to the AABP conference to learn new ideas and concepts which will strengthen their professional activities. At Merritt, we appreciate the opportunity to exhibit our products to these veterinarians in an atmosphere of interest and appreciation. Our inventory strongly supports the food animal veterinarian. Come by and let's get acquainted.

206 — Hall B

Mosby-Year Book Inc.

11830 Westline Industrial Drive, St. Louis, MO 63146-9934
Mosby-Year Book will have on display veterinary books with several new titles for the large animal practitioner.

67

Nasco

901 Janesville Avenue, Fort Atkinson, WI 53538

Nasco supplies a large selection via catalog of tools and equipment from two locations, Fort Atkinson, Wisconsin, and Modesto, California. Stop at the booth to sign up for a free copy of the 1991 Farm and Ranch catalog. The catalog includes thousands of products used by veterinarians, farmers, and ranchers. Included are livestock identification items, products for poultry, sheep, dairy, beef, and hog productions. The catalog features artificial insemination supplies, veterinarian hand tools, and much more.

6

Pfizer, Inc.

235 East 42nd St, New York, NY 10017

37

**Pioneer Hi-Bred International, Inc.
Microbial Genetics**

4601 Westown Pkwy., Suite 120, West Des Moines, IA 50265
MICROBIAL GENETICS, A DIVISION OF PIONEER HI-BRED INTERNATIONAL, INC. will display PROBIOCIN® brand Microbiol Products — direct-fed products that will help re-inoculate the digestive tracts of beef cattle that have experienced adverse conditions.

68,69

Pitman-Moore, Inc.

421 E. Hawley St., Mundelein, IL 60060

Pitman-Moore is one of the world's leading animal health and nutrition companies. We welcome all attendees of the American Association of Bovine Practitioners to visit our Booth 68 and 69. Sales representatives will be on hand to discuss our latest developments in the field of Veterinary Products or answer any questions.

10,11 — Hall A

Porta-Vet

110 Wood St., Hudson, IA 50643

We will be exhibiting an all-new look for the Bovine Practitioner. Stop by for a quote on updating your mobile unit.

96

PRN Pharmacal, Inc.

5830 McAllister, Pensacola, FL 32504

PRN will feature its complete line of specialty products. Ask about our unique Calcium Gel, Magnesium Gel, High Energy Supplement, I.O. Dine bolsus. View our film featuring the Retrievable Magnet Instrument (RMI). PRN features WIMCO's line of instruments, including the L.C.F. Megatherm.

33,34

Professionals' Software, Inc.

One PSI Plaza, Effingham, IL 62401

PSI is the world's leading supplier of practice management systems to the veterinary profession.

All systems are backed by the two companies that are #1 in quality and service, PSI and IBM. PSI's software programs are continually being enhanced and their continuing education programs are extensive and readily available. PSI is a division of Hill's Pet Products and is committed to serving you better than any other computer vendor.

63

ProScience

Suite 100, 107 Carpenter Drive, Sterling, VA 22170

86

Pro Vet Companies

P.O. Box 2286, Loves Park, IL 61131

A full-line distributor featuring the latest in Bovine equipment, biologicals and pharmaceuticals. ALUMICRAFT steroclave, DOUBLE-K Bovine groomers edge. SUMMIT HILL Large animal anesthesia machine, NORDIC Clipper sharp, STAT SPIN centrifuge, KODAK Chemistry, WELCH-ALLYN products. Also on display are products from TECHAMERICA, HAVER and MERCK. Five strategically located branches to service your every need. (CA, WA, NE, IL, IN). Look to PRO VET for those hard to find and unique products.

87

Rhone-Poulenc Animal Nutrition

500 Northridge Road, Suite 620, Atlanta, GA 30350

Deccox brand of Decoquinat prevents coccidiosis, the third most prevalent cattle health problem today. By stopping coccidiosis early, cattle go on feed faster, have better feed conversions and improved health. By starting cattle on a Deccox program you can prevent an outbreak in the first critical days in the feedlot.

44,45

Sanofi Animal Health, Inc.

7101 College Blvd., Suite 610, Overland Park, Kansas 66210
Sanofi Animal Health will feature ERYTHRO®-200 Injectable (Erythromycin); SYNCHRO-MATE-B™ for controlled breeding programs; CYSTORELIN® (GNRH), the preferred treatment for cystic ovaries in bovine; and our popular line of Sanofi/Abbott I.V. Fluids and Sets.

20,21,22

Schering-Plough Animal Health
P.O. Box 529, Kenilworth, NJ 07033

Be sure to visit our booth and learn about the NEW anaplasmosis vaccine AM-VAX — the first anaplasmosis vaccine safe for whole herd and no fear of NI when you use it! Our veterinarians will be available to answer your questions.

210

Schuyler Laboratories, Inc.
1000 Macomb Road, Rushville, IL 62681

SCHUYLER LABORATORIES, INC. is pleased to present our line of veterinary pharmaceutical, nutritional products, chemicals and packaging supplies. We have over 400 items for direct sale to veterinarians at competitive prices. Be sure to see our line of non-medicated nutritional products such as CELIAC, our vitamin, mineral and special "Dietary Fiber" nutrient for calves.

49

Shank's Veterinary Equipment, Inc.
410 Cochran Avenue, Milledgeville, IL 61051

The B.P. 360° Rotary Containment Chute was designed by a practicing veterinarian and has been manufactured solely by Shank's Veterinary Equipment, Inc. for the past six years. The B.P. Chute has a broad range of uses such as processing cattle, minor foot work, major surgery and comes in manual and hydraulic models.

58,59

SmithKline Beecham Animal Health
812 Springdale Drive, Exton, PA 19341

SmithKline Beecham Animal Health develops and manufactures a broad portfolio of animal health products, which include vaccines, therapeutic antibiotics, parasiticides and production enhancers for the bovine market. Products on exhibit include CattleMaster®, Valbazen®, Resvac 4®, Restec® and Ultrabac®. Stop by the SmithKline Beecham Animal Health booth to discuss these and other fine products for cattle.

200

SoftFlex Systems, INC.
660 George Washington Way Ste. S, Richland, WA 99352
DairyFlex 5.0 Herd Management is the latest system from SoftFlex, nationally recognized as makers of the finest herd management computer systems in the world. Since 1979, we've helped thousands of dairies promote good herd management practices in all key areas, resulting in significantly greater bottom-line profits without increasing herd size.

70

Solvay Animal Health, Inc.
1201 Northland Drive, Mendota Heights, MN 55120
Visit the Solvay Animal Health, Inc. exhibit for convention specials. Solvay is your supplier of: Vetisulid, Re-Covr, Xenodine, Crysticillin, Districillin, Crystiben, and Follutein. Featured will be Weck and RICA Surgical Instruments.

75

Stone Manufacturing & Supply Company
1212 Kansas Avenue, Kansas City, MO 64127
Stone Manufacturing will exhibit their full line of livestock identification, handling, and grooming equipment. Products will include tattoos, ear notchers, brands, dehorners, calf pullers, O.B. equipment, cattle leads, anti-kick, ear punches,

rumen magnets, horn weights, bull rings, hoof trimmer; plus several new products, including their COWLIFT and CALF SAVER.

209

Stonybrook Software, Inc.
11751 Central Pike - Mt. Juliet, TN 37122

Complete Clinic Software is extremely affordable and easy to use. Designed for those having never touched a computer, it allows instant use for invoices, client records, etc. System includes invoices printed monthly or daily; reminders; labels; receivables; medical histories; various reports of sales by client, DVM, or item; appointments, and more. Come by our booth to see for yourself!

72A

Sunpoint Software, Inc.
33 Oakdale St., P.O. Box 1156, Windermere, FL 34786
Specializing in quality computer products for the veterinarian since 1984.

40,41

Syntex Animal Health
4800 Westown Pkwy., Suite 200, West Des Moines, IA 50265
Syntex Animal Health will be presenting a quality line of products for the bovine practitioner including Synovex® implants, the performance leader in beef steers, heifers and calves; and the SX10® implant device with the exclusive retractable needle; Synanthic® (oxfendazole) Suspension and the all new rumen injector, the deworming program for the '90's.

81

TechMix, Inc.
12915 Pioneer Trail, Eden Prairie, Minnesota 55347
Featured on display are BOVINE BLUELITE AND BLUELITE C oral rehydration products for dairy cows, beef cattle and calves. New applications and illustrations for use will also be presented on the patented BLUELITE products for other species and the natural laxative for horses and the MO' MILK products for swine.

93

TriLogic Systems
Box 233, Glenwood, MN 56334
Profit Maximizer™ Dairy: Version 5 Enhanced . . . the ultimate solution for nutrition and feeding: it works the way you do. Dairy formulation software unequalled for flexibility & ease of use. Leading the industry since 1981, the program is fully 1989 NRC compatible, or it can be easily & completely customized for you.

14

Universal Medical Dist.
170 R. Lauman Ln., Hicksville, NY 11801
Universal Medical Distributors, toll free 1-800-362-3325, is pleased to be attending the AABP for our first year since starting our new business. Universal imports surgical instruments directly from Germany and passes the savings along to you. We do not carry every product, however, the products we do carry are at unbeatable savings. Universal offers an unconditional guarantee (lifetime on German instruments); free shipping; same-day order processing and experienced service. Sharon, Donna, Ken and Brandon wish to thank you for your continued support.

1,2

The Upjohn Company

7000 Portage, (9510-190-47), Kalamazoo, MI 49001

Welcome to the American Association of Bovine Practitioners Conference. Our representatives are on hand to discuss programs involving Lutalyse, Naxcel, Mastitis products and practice building ideas. Detailed information on these products is also available for your use. We look forward to seeing you.

42

Valley Agricultural Software

2861 So. K St., Tulare, CA 93274

A dairy management computer program designed for use by dairyman or veterinarian. Production (both DHI and auto-calculated), reproduction, health and user-definable information stored and processed at user's discretion. Fast, easily changeable, easily learned. Includes graphs, summaries, yearly trends, lactation curves for definable groups, etc.

60,61

Veterinary Concepts®, Inc.

P.O. Box 39, Spring Valley, WI 54767

Veterinary Concepts®, Inc. will display its many unique specialty plastic products. VCI® feature products will include new delivery systems manufactured by Genesis Industries, including the Pro-Ject syringes for the large animal practitioner. Additionally, many new devices for reproduction will be shown for the first time.

98

Veterinary Learning Systems Co., Inc.

425 Phillips Blvd. #100, Trenton, NJ 08618

Veterinary Learning Systems publishes *The Compendium on*

Continuing Education for the Practicing Veterinarian, Equine Veterinary Journal, North American Edition, and Veterinary Technician — all respected journals offering important, practical review articles for veterinarians and staff. VLS also produces *Video Forum*, a quarterly, multitematic videotape; custom educational video programs; books; symposium proceedings; newsletters; and other veterinary publications.

92

Veterinary Practice Publishing Company

P.O. Box 4457, Santa Barbara, CA 93140-4457

You are invited to visit our booth to review current copies of *Agri-Practice* and talk with us about your needs in published materials. Copies of our other journals targeted to the practitioner will also be available for your review as well as **Veterinary Practice STAFF** which is our publication for employees in the veterinary clinic. Our hematology manuals and other charts and services will also be on display for your consideration. We welcome your suggestions and contributions. Our Guidelines to Authors will be available for distribution at the booth. Please feel free to discuss your needs with us. We look forward to visiting with you.

16,17

West Agro, Inc.

11100 N. Congress Avenue, Kansas City, Missouri 64153

Featured products will include West Agro's full line of high quality teat dips including Quartermate® and Bovadine® as well as cleaners and sanitizers for equipment cleaning/sanitizing. Prepodyne® Surgical Scrub and Solution, Premise Disinfectant and the B.E.S.T.™ milk progesterone test will also be represented.

FUTURE MEETINGS

American Association of Bovine Practitioners

1991	Orlando	September 16-21
1992	St. Paul	August 31-September 4
1993	Albuquerque	September 16-19
1994	Pittsburgh	September 22-25
1995	San Antonio	September 14-17

World Association for Buiatrics.

1992	St. Paul, Minnesota	August 31-September 4
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Orlando: Go for the Magic



Wet 'n Wild, a 25-acre theme park on International Drive

Although many legends surround the origin of the name Orlando, the official version concerns Orlando Reeves. Reeves, a U. S. soldier, was on sentinel duty for a scouting party. While his companions slept, an Indian approached disguised as a rolling log. Orlando saw him for what he was and fired his gun, waking the other campers and saving their lives. Orlando, however, was killed by an arrow the Indian had launched. Wherever and by whom ever the name was chosen, the community was earlier known as Jerningan, after Aaron Jernigan who came from Georgia and settled here in 1842.

The first post office was opened in 1850 and the city's name was changed to Orlando in 1857. Orlando is the county seat of Orange County, which until 1845 was known as Mosquito County.

Approximately 13.6 million tourists visited Orlando in 1990 bringing in more than \$ billion.

Orlando's metro population is just over one million.

In a typical week in Orlando, 396 new jobs are created, 1,117 new residents move in, 243 marriages and 325 births are recorded, retail sales reach \$188 million, and 230,173 visitors arrive in town.

The Job Service of Florida reports that approximately 112,436 people are employed in the tourist related industry. Tourism-related employment accounts for approximately one in four jobs in the tri-county area.

There are more than 76,000 hotel rooms in Metro Orlando as one of the leading hotel markets in the U. S.

Orange County Convention/Civic Center, located on International Drive in Plaza International just south of Orlando, has 350,000 square feet of exhibit space and 54 meeting rooms. With the completion of Phases III and IV, the Center will offer approximately 1 million square feet of exhibition space (completion 1998).

Orlando's Centroplex: Expo Center has 71,000 square feet of exhibit space and three meeting rooms: Bob Carr Performing Arts has 2,500 seats and is professionally equipped for stage productions and concerts.

Tupperware Convention Center, offering 46,000 square feet of exhibit space and three meeting rooms seating up to 2,000, is located 15 miles south of downtown Orlando on S.R. 441 in Tupperware's World Headquarters complex designed by Edward Darrsell Sone.

Combined exhibit space in area hotels amounts to approximately one million square feet.

Orlando Arena, a 15,000-seat facility located in the downtown Centroplex, is home to the city's National Basketball Association team, the Orlando Magic and the Orlando Predators, an arena football team. Ice hockey, concerts and other events also are scheduled.

Located west of downtown Orlando is the Florida Citrus Bowl. Home to the annual New Year's Day Florida Citrus Bowl game, the stadium was recently expanded bringing the total seating capacity to 72,000 and adding 30 sky boxes and new press facilities. Concerts and sporting events also are scheduled periodically.

Central Florida has more than 44 golf courses, elaborate mini-golf, 21 tennis centers, more than 800 tennis courts, hot air ballooning, parachuting, and hundreds of lakes offering a variety of water sports including house boating, canoeing, powerboating, tubing, waterskiing, sailing, fishing and swimming.

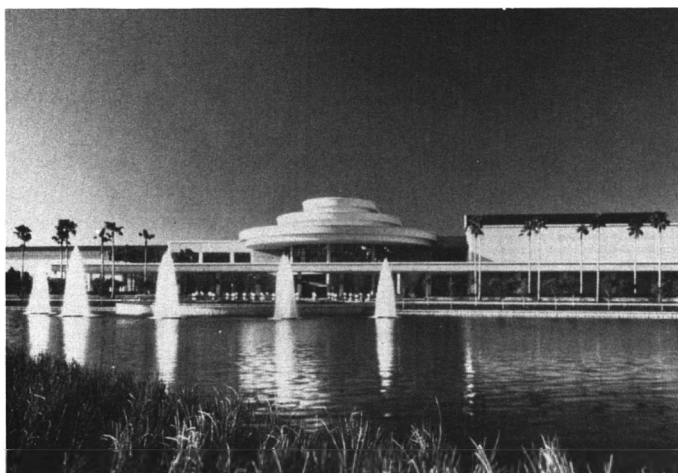
The Daytona International Speedway, home of the Daytona 500 in February, is located about an hour northeast of Orlando. The Speedway holds races including the ProAm Cycle Race, the Pepsi 400 and the World Car Endura Kart Race.

Orlando is convenient to east and west coast beaches. An hour to the east are Cocoa, New Smyrna, and Daytona Beach and to the west about two hours are St. Petersburg and Clearwater Beach.

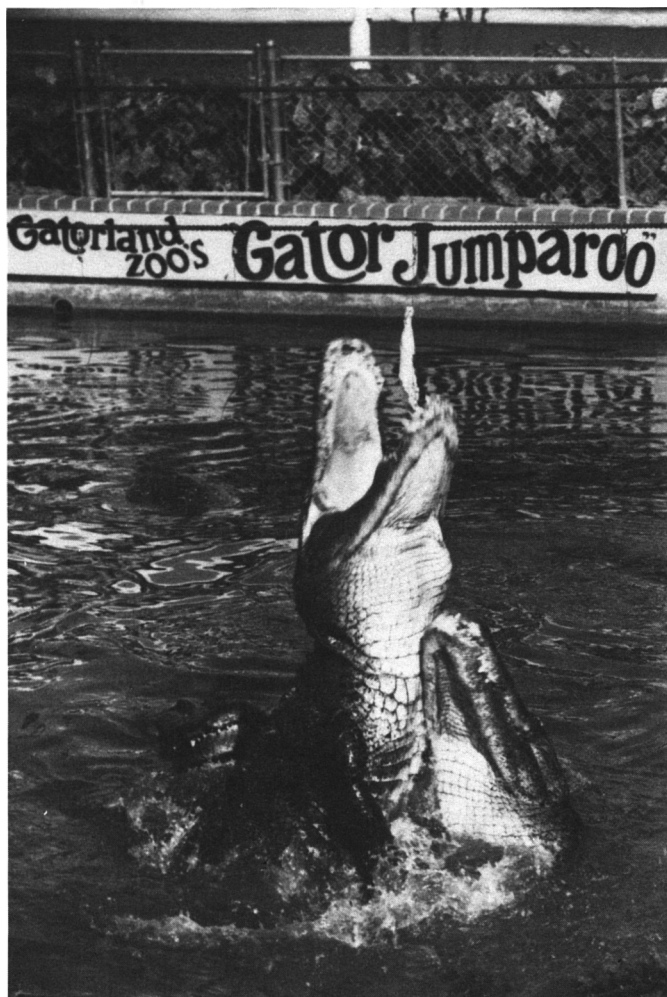
Busch Gardens, themed the Dark Continent, is a turn-of-the-century African wild life and ride park and home to the Anheuser-Busch's Tampa brewery. Located in Tampa, the zoological park is open daily from 9:30 am to 7 pm with extended hours during the summer and holidays. Admission is \$23.35 for adults and \$23.95 for children.

Cypress Gardens features waterski shows, botanical gardens, high divers, synchronized swimmers, ice skaters. Kodak's Island in the Sky provides a panoramic view of the gardens and Lake Eloise. The park is open daily 9 am to 7 pm with extended hours during peak seasons. Admission is \$16.95 for adults and \$11.50 for Children (3-11).

Disney-MGM Studios Theme Park, a 135-acre attraction located south of Epcot Center, includes a complete motion-picture and television studio, a themed entertainment park, and a guided tour of the production facilities. The theme park and tour opened in May 1989. An adult one-day pass is \$34.85, a child's (age 3-9) one-day pass is \$27.45, and adult four-day pass is \$117.20, a child's four-day pass is \$92.90, and an adult five-day pass is \$153.15, and a child's five-day pass is \$122.10. Admission prices are



The Orange County Convention/Civic Center



Gatorland

without tax and the four- and five-day passes can be used by all three Disney parks.

Fun World, a new family fun park, is located on Hwy 17-92 near Sanford. The park has miniature golf, go-carts, bumper boats, bumper cars, batting cages, carnival rides, and a game room.

Gatorland is Florida's largest alligator farm, featuring 5,000 alligators and crocodiles and encompassing 35 acres with breeding pens, nurseries and rearing ponds and an alligator wrestling stadium. The park is open year-round from 8 am to 7 pm during the summer and 8 am to 7 pm during the winter. Admission is \$8.95 for adults and \$5.95 for children (3-11).

Sea World of Florida features scripted productions with killer whales, including the New Baby Namu (born July 1989) and the New Baby Shamu (born November 1988), dolphins, sea lions and otters. There is also a water-ski and speed boat show, botanical gardens with alligators and exotic birds, a Hawaiian Village, Penguin and Shark Encounters, Cap'n Kids World, World of the Sea, Discovery Cove, Terrors of the Deep and a Sky Tower ride. The park is open daily 9 am to 7 pm during the winter and 9 am to 10 pm during the summer. Admission is \$26.95 for adults and \$22.95 for children (3-11).

Silver Springs, famous for its glass-bottom boat rides and jungle cruise, is open daily 9 am to 5 pm. Admissions are \$14.95 for adults and \$9.95 for children (3-11).

Spaceport USA, featuring the Astronaut Memorial, "Satellites & You" audio-visual exhibit, an IMAX presentation on flight, an art gallery, and a two-hour bus tour of the facility, is open daily from 9 am to dusk. Admission to most exhibits is free; the bus tour is \$4 for adults and \$1.75 for children (3-12) and the IMAX theatre is \$2.75 for adults and \$1.75 for children.

United States Astronaut Hall of Fame showcases America's first astronauts from their early days as astronaut candidates through their historic missions during NASA's Mercury program. Hours of operation and admission are: 8 a.m. -dusk; \$4.95 for adults and \$2.95 for children (3-12).

Universal Studios Florida spans 444 acres southwest of Orlando. Production facilities are now operational and a tour/entertainment attraction opened June 1990. Admission for one day is \$30.74 for adults and \$24.38 for children (3-11).

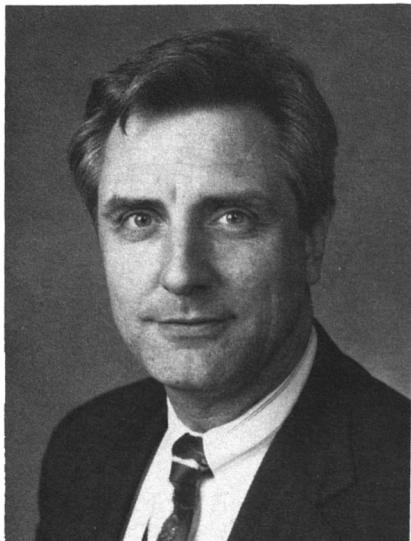
Walt Disney World is home to the Magic Kingdom, Epcot Center and Disney-MGM Studios. The Magic Kingdom features more than 40 major attractions in seven lands while Epcot center is comprised of World Showcase pavilions highlighting eleven countries and Future World, whose nine corporate pavilions examine past and future technology and Disney-MGM Studios features movie-themed rides and is a working television and motion picture studio. The one-day passport for adults is \$34.85 and \$27.45 for children (3-9).

Water Mania features an array of water sports including water slides and wave pools. There are also picnic facilities and a white sand beach. The park is open March through November from 9 am to 5 pm and June through August from 9 am to 9 pm. Admission is \$16.95 for adults and \$14.95 for children.

Wet 'n Wild offers more than 25 acres of water slides and rides, a picnic pavilion, and food and beverage facilities. The park is open from mid-February through December from 10 am to 5 pm with extended hours during the summer and holidays. Admission is \$14.95 for adults and \$14.95 for children (3-12).

Information provided by Orlando/Orange County Convention & Visitors Bureau, Inc.

AABP Officers



President
David G. McClary,
DVM
Marietta, Georgia

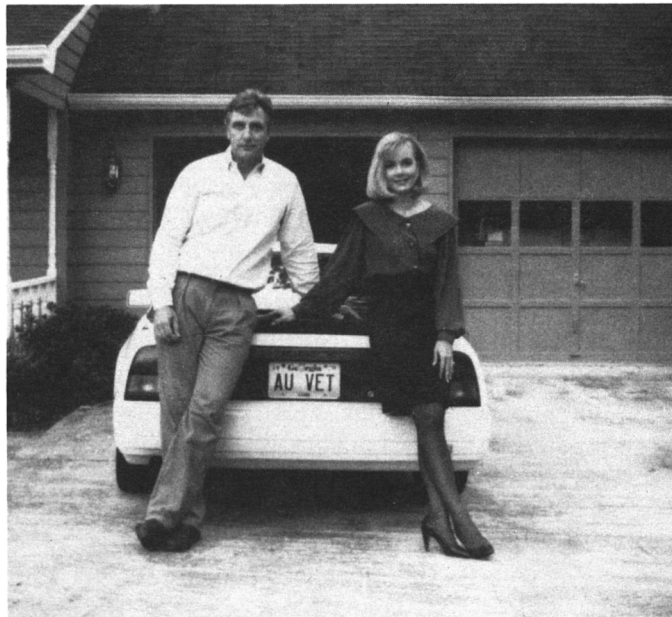
Dr. David G. McClary, Marietta, Georgia, is currently the President of AABP. He served as director from District III for 6 years prior to being elected Vice President in 1988. As Vice President, David was Seminar Coordinator for the 1989 meeting in Kansas City and Program Chairman for the 1990 meeting in Indianapolis, while serving as President Elect.

Dr. McClary is originally from Scottsville, Kentucky and received his B.S. degree from Western Kentucky University in 1970. He received his DVM from Auburn University in 1974. After 4½ years in private practice in Kentucky, David returned to Auburn where he received his M.S. in Veterinary Surgery and Medicine and became a Diplomate in the American College of Theriogenology in 1982. He spent 10 years in the Department of Large Animal Surgery and Medicine at Auburn. In 1988 David joined Lilly Research Laboratories, a division of Eli Lilly and Co. as a Research Scientist.

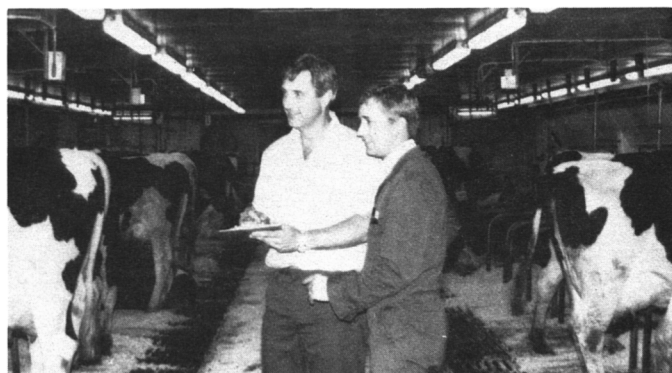
David is a member of AVMA, the National Mastitis Council, the American Dairy Science Association, the Society of Theriogenology, the American College of Theriogenology, the American Association of Industrial Veterinarians, the American Registry of Professional Animal Scientists, and Phi Zeta.

Since joining Lilly Research Labs, Dr. McClary has primarily worked in field research with bovine somatotropin and tilmicosin (antibiotic). He has authored and coauthored over 25 professional papers and made numerous oral presentations in the US, Canada, and Mexico.

David's family includes a son Kyle (16) and his wife of 18 months, Kristine. The McClarys live in Marietta, Georgia where they enjoy yard work, travel, fishing, baseball, and Auburn football.



Dr. McClary at home with his wife, Kristine.



Dr. McClary at work at Lilly Research Labs in Greenfield, IN with John Kube, herdsman.

A Message from the President

Fellow AABP members:

Nineteen ninety-one has been an extremely successful year for AABP. After seeing a drop in our membership following the 1990 dues increase, I am extremely grateful and proud to see our numbers are now back to previous highs of approximately 5000 members.

Not only does AABP continue to be one of the largest speciality groups in AVMA it is also one of the most respected. During the last year our organization has been called upon on numerous occasions to provide input in dealing with the problems of food animal production in the US and Canada. A number of our members are now in prestigious positions providing policy makers with pertinent information and advice.

Last year AABP made some bold moves to help the organization better meet the needs of its membership by establishing a number of part- and full-time salaried positions. These positions include the offices of Executive Vice President, Treasurer, AABP Editor, AABP Advertising Manager, and Exhibits Manager. To provide for a system of interaction between these positions and the Board and establish a formal mechanism for job performance review, the Board of Governors established an employee review process. These reviews will be conducted for each position at least every other year. These reviews will be initiated in 1991.

During the past year, the issue of food safety continued to be scrutinized by industry, consumer groups and congress. Drug residues in milk, injection site reactions in muscle tissue of slaughter cattle, and the extra-label drug use policy are examples of food safety issues which continue to be questioned. A number of our members including past and present officers have played extremely active roles in attempting to educate regulators on drug usage and residue issues. Ultimately our goal is to help restore consumer confidence in the safety of our food supply. AABP members have been quite active in working with AVMA and National Milk Producers Federation in developing a 10 Point Quality Assurance Program to help avoid the presence of violative residues in milk and dairy beef. The reference of this program in the 1992 Pasteurized Milk Ordinance will require all AABP members to familiarize themselves with the program and work with producers to improve the quality of meat and milk.

A common complaint I hear from bovine practitioners is a difficulty in locating new and recent graduates who are interested in bovine practice. In visiting a few veterinary schools and talking to AABP and Food Animal student groups over the past couple years I find that many students are not aware of the opportunities in food animal medicine. I feel our profession has an image problem and veterinary medicine is not perceived as a viable profession by a

large segment of the population. Changing this perception will require an effort at the grass roots level. All of us need to be promoting the positives of our profession at every opportunity.

AABP has taken a positive step in increasing the awareness of our profession by establishing endowed scholarships for veterinary students who show an aptitude and interest in food animal medicine. The program is entitled the Amstutz Scholarship Fund, named in honor of our Executive Vice President, Dr. Harold Amstutz. The collection of funds for establishing the endowment was initiated less than one year ago with members of the Scholarship Committee, former Bovine Practitioners of the Year, the Executive Committee, and the Board of Governors contributing to the fund. Since that time a number of members have also contributed to the program. Ultimately we will solicit for outside contributions to assist in the program but prior to a formal outside fund drive I feel it is important for us to establish a significant endowment within the organization. If you have not contributed to this program I certainly hope you will do so.

From its inception the primary mission of AABP has been continuing education for the membership. AABP has experienced a successful year in continuing education. The 1991 meeting in Indianapolis in cooperation with the National Mastitis Council was our largest ever with a total registration of 1748. Preregistration indicates the 1991 meeting in Orlando will also be quite successful. Renewed interest in regional meetings at the district level have also been evident during the last year and further demonstrate the interest of our membership in continuing education. Hopefully we will be able to offer even more continuing education at the district level during the next year so as to allow younger members who often don't get to attend the annual meeting the opportunity to receive quality AABP sponsored CE programs.

Finally I would like to thank the membership of AABP for giving me the opportunity to serve this organization as a District Director and as a member of the Executive Committee. Serving as an officer in AABP has truly been one of the highlights of my professional career. For those who desire to be more active in AABP I would encourage you to become involved. An excellent starting point is serving as a committee member. If you are interested or have expertise in an area, offer your name as a candidate for membership to the chairman of the corresponding committee. If you are interested in becoming a District Director start early seeking support for your nomination and election within your district. AABP's strength is its members and hopefully the best of those members will elect to guide our organization.

David McClary *DVM*
President



President-Elect

Gordon A. Atkins
DVM
Calgary, Alberta, Canada

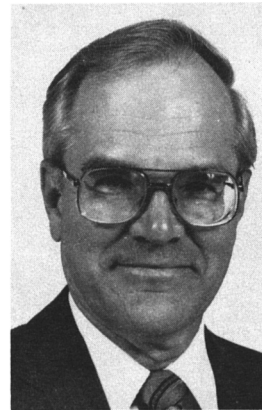
Dr. Gordon A. Atkins, Calgary, Alberta, Canada is the new President-Elect. He has represented District 13 on the AABP Board of Directors since 1985.

Dr. Atkins was born in Calgary and raised on a dairy farm in the area. He received the DVM degree from Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon in 1973. He joined a three man large animal practice which has since grown to a six person practice which is primarily dairy and equine. Dr. Atkins' primary interests are herd health and nutrition.

Dr. Atkins is a member of the Canadian and Alberta VMA and is past president of the Calgary District Large Animal Practitioners Association. He is a member of the advisory committee for the dairy program at Old College. Dr. Atkins is a member of the Canadian Holstein Association, past president of the Southern Alberta Holstein Club and is involved in breeding, showing and judging Holstein cattle.

Dr. Atkins was chairman of the Local Arrangements Committee for the AABP Convention in Calgary in 1988 and served as Seminar Coordinator for the 1989 Convention in Indianapolis. He is the program chairman for this year's convention in Orlando.

Dr. Atkins and his wife, Jo Anne, have two children; Douglas and Kerry.



Vice President

Dr. Darrell E. Johnson
DVM
Weyauwega, Wisconsin

Dr. Darrell E. Johnson (Minn. 1957), Weyauwega, Wisconsin is the new Vice President. Born in Scandia, Minnesota, he pursued undergraduate studies at Gustavus Adolphus College in St. Peter, Minn. He received the DVM

degree from the University of Minnesota in 1957 and is currently senior member of a five member veterinarian group practice incorporated as Dairyland Animal Health Inc. in Weyauwega, WI. The practice is primarily dairy cattle with clinic facilities for companion animals.

Dr. Johnson was Director for AABP District 5 from 1980-82 and has served on numerous committees. He is past chairman of the AVMA Mastitis Committee and a past member of the board of directors and the executive committee for the National Mastitis Council and past member of the Animal Health Advisory Committee to the State Department of Agriculture. He is a preceptor for the University of Minnesota, College of Veterinary Medicine.

Dr. Johnson is a member of the AVMA, AABP, Wisconsin VMA, Society for Theriogenology, NMC, Wisconsin Holstein Association and many others. He was Wisconsin Veterinarian of the Year in 1968 and was named a Distinguished Alumnus of the University of Minnesota in 1979. He was the 1986 Bovine Practitioner of the Year.

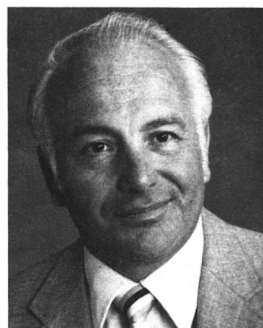
Dr. Johnson is active in civic affairs and is an Elder in the First Presbyterian Church of Weyauwega. He and his wife, Arlene, have two sons and two daughters.

Executive Vice President



Harold E. Amustutz
DVM
West Lafayette, Indiana
(also AVMA
Alternate Delegate)

Treasurer



Roland S. Jeans
DVM
Evansville, Wisconsin

AABP Advertising Manager



Leland C. Allenstein,
DVM
Whitewater, Wisconsin

AVMA Delegate



Robert H. Keith
DVM
Monroe, Wisconsin

Directors Re-Elected



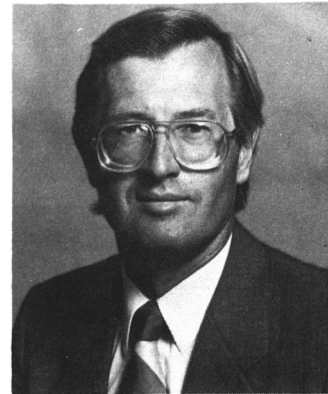
Stephen T. Wadsworth
DVM
Enosburg Falls, VA
1st District, 1993



Lawrence Heider
DVM
Columbus, Ohio
4th District, 1993



Robert A. Smith
DVM
Stillwater, Oklahoma
7th District, 1993



Fred W. Koning
DVM
Alta Loma, California
10th District, 1993

In the News



Dr. Donald W. Johnson, St Paul, MN received the 54th XII International Veterinary Congress Prize at the AVMA Convention in San Antonio on July 24, 1990. A member of the AABP, Dr. Johnson has served as resident coordinator for more than 132 faculty members pursuing doctorate studies at 25 U. S. higher education institutions. He helped to initiate the cooperative program between the AVMA and the Peace Corps which recruits Peace Corps Associate Volunteer Veterinarians.

Since 1981, Dr. Johnson has served as Team Leader of the University of Minnesota project funded by the US AID at the Institute Agronomique et Veterinaire - Hassan II in Morocco.

Since 1981, Dr. Johnson has served as Team Leader of the University of Minnesota project funded by the US AID at the Institute Agronomique et Veterinaire - Hassan II in Morocco.



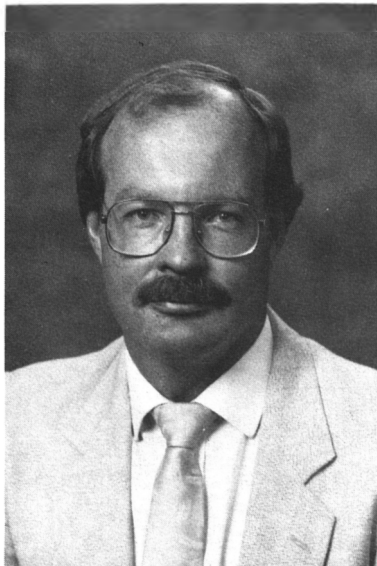
Dr. Keith E. Sterner, Ionia, MI received the Distinguished Alumnus Award at the Michigan State University and College of Veterinary Medicine Awards Banquet during the Michigan VMA meeting in Lansing in January. Dr. Sterner is co-owner of an 8 person practice in Iowa. He is a Past President of the AABP

having previously served as Director for District 4.

Dr. James Turbok, Deckerville, MI was awarded the Birth of a Purebred Food Animal Award at the same meeting. Dr. Turbok is noted for his innovative approach to dairy herd problems. He was the recipient of the 1990 MSD-AGVET Award for Excellence in Dairy Preventive Medicine at the AABP Convention in Indianapolis.



Dr. and Mrs Keith Sterner



New Director

Dr. Rodney Sydenham, Wetaskiwin, Alberta, Canada is the new Director for District 13.

Dr. Sydenham was born and raised on a farm in southern Alberta. He received the DVM degree from the Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Sask in 1978. He is a partner in a 4-man mixed practice in Wetaskiwin with a main interest in dairy herd health. He is a member of the AABP, Canadian VMA and a past council member, Alberta VMA. He is also a member of the Society for Theriogenology, Sierra VMA and serves on the Board of Directors of the Western Drug Distribution Center.

Dr. Sydenham and his wife, Judith have two sons: Stephen 12 years and Michael 9 years, and a daughter, Laura, aged 8 years. His hobbies are skiing, golf and camping.

Let's Celebrate our Silver Anniversary!

PLAN NOW

To Attend Our

25th Annual Convention

in conjunction with the

XVII World Buiatrics Congress

St. Paul, Minnesota

August 31 - September 4, 1992



XVII World Buiatrics Congress XXV American Association of Bovine Practitioners Conference

**Saint Paul, Minnesota
August 31 - September 4, 1992**

The World Association for Buiatrics (WAB) and the American Association of Bovine Practitioners (AABP) invite papers for their joint meeting which will be held in Saint Paul, MN on August 31 - September 4, 1992. The provisional scientific program includes:

A. MAJOR TOPICS:

1. Food Animal Products - Human Food Safety and Nutritional Concepts.
2. Handling and Housing Cattle - Welfare Considerations.
3. The Environment and Food Animal Production.
4. Epidemiology.

B. OTHER TOPICS:

1. Diseases of the Respiratory Tract.
2. Nutritional and Metabolic Diseases.
3. Epidemiology of Economically Important Infectious Diseases.
4. Pharmacokinetics.
5. Microbiology.

6. Immunology.
7. Integrated Resource Management (IRM).
8. Probiotics.
9. Toxicology.
10. Parasitology.
11. Animal Health Monitoring Systems.
12. Electronic Animal Identification Systems.
13. Miscellaneous.

An abstract of the proposed paper, with a maximum of 300 words should be sent **before November 30, 1991 to:**

**Dr. Harold E. Amstutz
Congress Secretariat
P.O. Box 2319
West Lafayette, ID 47906 U.S.A.
FAX (317) 494-9353**

Prospective authors are **strongly urged** to prepare their abstracts in English for prompt consideration. Abstracts prepared in one of the other Congress languages —

French, German and Spanish will be accepted.

Instructions for the Preparation of Abstracts.

1. Type your entire abstract within one page (maximum 300 words).
2. List title, author(s), institution and complete address including telephone, telex and Fax.
3. The abstract should be as informative as possible:
 - a. State specific object of study.
 - b. State the method used.
 - c. Summarize the results.
 - d. State the conclusions.

Note: The senior author will receive notification of acceptance of the abstract together with the guidelines for

preparing the complete papers. The lecture time for each paper will be 10 minutes plus 5 minutes for discussion (plenary papers have 20 minutes). The author submitting and presenting a paper will receive a 20 per cent reduced Congress registration fee.

Convention venue

Saint Paul is located in a rich agricultural area in north central United States. It is a sister city of Minneapolis.

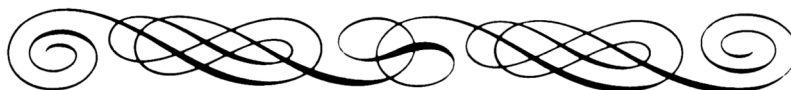
The Minneapolis - St. Paul International Airport is a major airline hub with hundreds of flights arriving and departing daily.

WAB President

Professor Jacques M. Espinasse, Toulouse, France is the President of the World Association for Buiatrics, having succeeded Dr. Harold Amstutz in 1984. He received the Doctor of Veterinary Medicine degree from The National Veterinary School of Toulouse in 1960. He became Head Professor, Bovine Medicine Department in the National Veterinary School, Alfort, France in 1977 and ten years later, Head of the Bovine Medicine and Surgery Department. He is presently Head of the Associated Laboratory of the National Agronomic Research Institute in Pathophysiology of Respiratory Diseases in Ruminants at Toulouse.

Prof. Espinasse is a member of the American Association of Bovine Practitioners, Veterinary Academy of France, Founder and President of the French Association for Buiatrics; honor member Israeli Buiatric Association and the Italian Buiatric Association; General Secretary of the French Group, World Veterinary Association; Commander of the Veterinary Medicine Merit of Brazil; member, Editorial Board of the Technical and Scientific Journal of the Office International for Epizootics; representative of France on the Committee for Veterinary Medical Products, European Economic Committee and Chevalier of the Agricultural Merit.

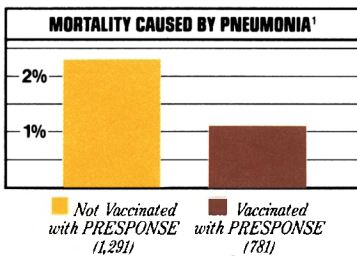
Prof. Espinasse has published 175 papers and contributed to 35 books and journals. His research interests are bovine respiratory and enteric diseases. Prof. and Madame Espinasse have two daughters.





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With bovine respiratory disease (BRD), a pasteurized vaccine that really works is a lot more valuable than pie-in-the-sky promises. PRESPONSE® Pasteurella Haemolytica Toxoid provides results because it's the only *P. haemolytica* vaccine with both capsular antigen and leukotoxin—the two key ingredients needed to fight the disease. ● In over



two years of field trials and actual use, calves vaccinated with PRESPONSE showed as much as 49 percent reduced mortality. And required up to 12 percent fewer re-treats.¹ Not only is PRESPONSE effective, it's safe. PRESPONSE, because it's a cell-free vaccine, virtually eliminates the potential for adverse or injection-site reactions.

And it's completely compatible with any other vaccination or antibiotic treatment program you may be using. ● Call 1-800-426-2924 or talk to your Cyanamid representative about PRESPONSE. There's nothing in the world like it.



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Here's your chance to give liver fluke the treatment it deserves.



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As you know, liver fluke (*Fasciola hepatica*) can have a severe economic impact on your clients' cattle operations. An economic analysis performed at the University of Florida* estimates the cost of liver fluke infection to be \$25-\$50 a head. And this doesn't include the cost of livers condemned at slaughter.

Which is why we developed IVOMEc-F® (ivermectin and clorsulon), the first injectable treatment for adult liver fluke.

IVOMEc-F combines the broad-spectrum parasite control of ivermectin with clorsulon, the highly effective treatment for adult liver fluke.

What's more, IVOMEc-F injection is easy to administer.

Unlike drenches, there's no wrestling or mess. And much less stress. Plus greater assurance of accurate dosing.

Because the life cycle of the liver fluke is complicated, IVOMEc-F will be distributed through veterinarians. Proper diagnosis of liver fluke infection and correct timing of treatment are essential for best results.

IVOMEc-F not only offers you high efficacy, convenience and practice-building opportunities, but also the chance to do something you've always wanted to do. Give liver fluke the treatment it deserves.

*Simpson, J., Kunkle, W., Courtney, C., and Shearer, J. Economic Analysis of Controlling Liver Flukes, *Agri-Practice* 2: Vol. 6, No. 2, 1985.

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ivomec-F[®]
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