

# Twenty-Seventh Annual Conference

of the  
American Association  
of  
Bovine Practitioners

Pittsburgh, Pennsylvania

September 22 - 25, 1994

Specialty Seminars September 19 - 22, 1994

Theme: "Information for Today - - - and Tomorrow"

## "Information for Today - - - and Tomorrow"

On behalf of the program committee, I would like to extend a warm invitation to attend the biggest and best bovine continuing education conference in the land, the Twenty-Seventh Annual Conference of the American Association of Bovine Practitioners.

Your program committee has considered your comments and suggestions and incorporated them into an outstanding educational agenda. Our theme is "Information for Today -- and Tomorrow." Following this theme, our speakers will provide information that can be taken home and used now, as well as cutting edge information that prepares us for practice in the near future. Due to the cooperative efforts of Dr. Gatz Riddell and Dr. Ellen Jordan, you have the opportunity to attend the National Reproduction Symposium with no additional registration fees. For those of you wanting in-depth small-group educational experiences, there are 24 pre-convention seminars offered which cover a wide array of topics.

The general and split sessions offer something for everybody, whether your interest is dairy, cow-calf or feedlot. Top-notch speakers will present the very latest information on topics important to you and your clients. On Friday evening, you can enjoy Practice Tips and Research Summaries for both dairy and beef.

For computer buffs, we will again offer the Technology Transfer Symposium and Computer Practice Tips. The AABP Software Library will be open all day Saturday. Also, we plan to offer the proceedings on diskette again this year. These will be for sale at the registration desk.

There's plenty of tours and social events which will allow you to sample the local western Pennsylvania flavor. This is a good opportunity to see historic sights and enjoy the beautiful sights and sounds of the Pittsburgh area. And yes, you deserve a night off to socialize with friends and colleagues, so come to the Saturday Night Extravaganza aboard the Gateway Clipper. You'll be glad you did.

Please come and join us! It just wouldn't be the same without you.

**Dr. Bob Smith, Program Chairman**

## Program Committee

Program Chairman .....	Bob Smith
Seminar Coordinator .....	Gatz Riddell
General Sessions Coordinator .....	Kelly Lechtenberg
Dairy Sessions Coordinator .....	Larry Hutchinson
Cow/Calf Sessions Coordinator .....	Paul DuBois
Feedlot Sessions Coordinator .....	Steve Lewis
Practice Tips Coordinator .....	Duane Miksch
Research Summaries Coordinator .....	Don Hansen
National Reproduction Symposium .....	Ellen Jordan
Poster Session Coordinator .....	Reilly Glore
Local Arrangements Coordinator .....	Jerome Harness
Exhibits Manager .....	Sam Hutchins
Continuing Education Liaison .....	Kathy Gloyd
Technology in Bovine Practice .....	Patty Scharko
Conference Manager .....	James Jarrett
President .....	Reilly Glore

## AN INVITATION TO PITTSBURGH Dr. Jerome Harness - District 2 Director

Pittsburgh's emergence as an industrial powerhouse began simply with three rivers and land rich in natural resources.

The first inhabitants of the area were the Shawnee, Seneca, Delaware and Iroquois Indians who left about 1754. That year the first settlement was erected, Virginia's Fort Prince George.

The French who also recognized the military importance of the three rivers, destroyed this first fort and erected Fort Duquesne. In 1758 Great Britain destroyed Fort Duquesne and built the last fort to stand at this point - Fort Pitt, named after Prime Minister William Pitt.

You can visit vestiges of these forts at Point State Park located on the point of land formed by the confluence of the Monongahela and Allegheny as they form the mighty Ohio.

Over the years, Pittsburgh developed into a giant industrial complex, then into a clean, safe, modern city.

Although often still thought of as a steel town, there is very little steel manufactured in Pittsburgh. Manufacturing employs only about fifteen percent of the population. The work of this town is now business, banking, health care and education.

Not quite two years old, Pittsburgh's state-of-the-art, world class airport is the third largest in the country. It is the hub city for USAir. You'll have no problems getting here. In fact within 500 miles of the Steel City are 50% of the nation's population and 60% of its commerce!

Even before Pittsburgh was selected by Rand McNally as the nation's most livable community, we knew this was the nation's best kept secret.

The members of District 2 welcome you to Pittsburgh!

## THINGS TO DO

Some of the best theater this side of New York can be found in Pittsburgh. MARAT/SADE by Peter Weiss, a musical play-within-a-play September 22 - October 30. For tickets and information: Pittsburgh Public Theater, Allegheny Sq. 15212, (412) 323-8200.

Pittsburgh has a world class symphony orchestra! If you are coming to town early, consider a program of Morton Gould, Sergei Prokofiev and Peter Tchaikovsky September 16, 17 & 18. For tickets and information: Heinz Hall for the Performing Arts, 600 Penn Ave., Pittsburgh, PA 15222, (412) 392-4800.

If baseball is your game, the Phils will be in town for the weekend. For tickets: Pittsburgh Pirates, Three Rivers Stadium 15212, 1-800-BUY-BUCKS.

Carnegie Science Center, one of the nation's great science museums. Truly the pride of Pittsburgh! The Science Center features four floors of interactive exhibits, a planetarium, Omnimax theater, and WWII submarine! A short ride from the hotels and convention center by cab or PAT bus.

## PRESIDENT'S WELCOME

**Dr. Reilly Glore**

Welcome to Pittsburgh! Steel yourselves for an outstanding educational and social event. Dr. Bob Smith's program committee has assembled an outstanding lineup of topical topics and practical presenters addressing the theme of "Information for Today --- and Tomorrow." Dr. Jerry Harness and the local arrangements committee have assured that you will enjoy their new modern, clean city and discover why Pittsburgh has historically been a critical piece of real estate nestled between the Allegheny and Monongahela river's confluence into THE Ohio river.

This is fitting symbolism of the importance this AABP meeting could have for you. Join us as we partake of the most current scientific topics and combine an equal dose of networking with new and old friends to form a powerful recharging of those personal batteries of life. I especially invite those of you who have yet to attend an annual meeting. A constant theme echoed by regular attending members is gratitude and enthusiasm for the positive effects the total AABP experience has had on their personal and professional lives. I encourage you to join us and experience the magic!

## NATIONAL REPRODUCTION SYMPOSIUM WELCOME

**Basil R. Eastwood**

The U.S. Department of Agriculture-Extension Service and our nation's Cooperative Extension System are proud to invite you to the National Reproduction Symposium. This symposium has been planned for you jointly by representatives of the American Association of Bovine Practitioners and Extension serving as a national committee.

This symposium is divided into four sections addressing important areas of related topics with several top speakers in each section. These are:

New Technology in Reproduction  
Reproduction Economics  
Nutrition - Reproduction Interactions  
New Answers to Old Questions

Special thanks for planning a highly interesting and useful symposium go to Ellen Jordan, Extension Dairy Specialist, Texas A&M University and her working committee consisting of:

Erich Studer, Carnation Farms (AABP)  
Tom Bailey, Virginia Tech (AABP)  
Ray Nebel, Virginia Tech  
Leo Timms, Iowa State University  
Michael O'Connor, Pennsylvania State University

We hope you will plan to attend this national symposium on Thursday and Friday, September 22 and 23, and are confident it will be a highlight of your visit to Pittsburgh.

## MEETING SITE

Almost all scientific sessions, seminars, exhibits, posters, and other scheduled activities will be held in the Pittsburgh Vista Hotel, 1000 Penn Avenue, Pittsburgh, PA 15222-3873, phone (412) 281-3700, Fax (412) 227-4500, and the David L. Lawrence Convention Center, 1001 Penn Avenue, Pittsburgh, PA 15222, phone (800) 222-5200. Both locations are easily accessible by a short covered walkway, connecting the two. Exceptions will be indicated in the event description.

## EXHIBITS

The professional exhibits will be located in the East Exhibit Hall, on level 2 of the David L. Lawrence Convention Center, 1001 Penn Avenue, Pittsburgh, Pennsylvania. The Technology Transfer Poster Session will be running simultaneously with the exhibits in the rear of the exhibit hall.

## Exhibit Hours

Thursday, September 22	4:00 p.m. - 7:00 p.m.
Friday, September 23	9:00 a.m. - 5:00 p.m.
Saturday, September 24	8:30 a.m. - 4:00 p.m.

## REGISTRATION

Location: South Hall  
David L. Lawrence Convention Center

Sunday, September 18 .....	2:00 p.m. - 5:00 p.m.
Monday, September 19 .....	7:00 a.m. - 5:00 p.m.
Tuesday, September 20 .....	7:00 a.m. - 5:00 p.m.
Wednesday, September 21 .....	7:00 a.m. - 5:00 p.m.
Thursday, September 22 .....	7:00 a.m. - 5:00 p.m.
Friday, September 23 .....	7:00 a.m. - 5:00 p.m.
Saturday, September 24 .....	7:00 a.m. - 5:00 p.m.
Sunday, September 25 .....	8:00 a.m. - 12:00 Noon

## AABP EXECUTIVE COMMITTEE MEETING

Tuesday, September 20 ..... 4:00 p.m.  
Location: Fayette

## AABP BOARD OF GOVERNORS MEETINGS

Tuesday, September 20 ..... 6:00 p.m. - 10:00 p.m.  
Wednesday, September 21 ..... 7:00 a.m. - 5:00 p.m.  
Thursday, September 22 ..... 12:00 p.m. - 1:00 p.m.  
Friday, September 23 ..... 7:00 a.m. - 9:00 a.m.  
..... 5:00 p.m. - 7:30 p.m.  
Sunday, September 25 ..... 2:30 p.m.  
Location: Fayette

## PRESIDENT'S RECEPTION

Sunday, September 25 ..... 1:00 p.m. - 2:30 p.m.  
Location: Fayette

## AABP COMMITTEE CHAIRPERSON'S BREAKFAST

Thursday, September 22 ..... 7:00 a.m. - 9:00 a.m.  
Location: Fayette

## AABP COMMITTEE MEETING

Wednesday, September 21 ..... 7:00 p.m. - 10:00 p.m.  
Location: Allegheny Ballroom

## OPENING EVENING HOSPITALITY

Thursday, September 22  
East Exhibit Hall, Lawrence Convention Center  
Open 4:00 p.m. - 7:00 p.m.  
Hors d'oeuvres 5:00 p.m. - 7:00 p.m.

## OPENING SESSION

Location: Allegheny Ballroom  
Program Committee Welcome and  
Awards Presentation  
7:15 p.m. - 8:15 p.m.

## Keynote Speaker Dale Minnick

8:15 p.m. - 9:15 p.m.  
"Stick, Pick, Hook, Look, Laugh and Pray"

Dale L. Minnick, CSP, as a humorist and motivator, has been described as a cross between Will Rogers and Zig Ziglar. His warm wit and ability to find wisdom in the ordinary is paired with a fire and desire to help people make life-changing improvements in their attitude.

Dale was born and raised on the land his great-grandfather homesteaded near the Panhandle of Oklahoma, land that he now owns. (Dale says he got his wit from growing up dirt poor, and he got the wisdom from farming the poor dirt!)

Along the way, he's been a university teacher, a corporate economist, a savings and loan executive, an association executive, and an international grain promoter. He has also had other important jobs like egg gatherer, morning milker, bronc stripper, night janitor, head cowboy, and flunky!

Because of this diverse background, he is equally at home with farmers and ranchers as with Fortune 500 executives. He's been on the platform with the janitor, and the President of the United States, and enjoyed working with both. Whether he's entertaining you with hilarious wit, training your people, or spouting cowboy poetry, he'll have you on the edge of your seat!

He is the author of the new humor book, "How to Get Up in Front Without Getting Down."

Dale's humorous and motivational message reaches tens of thousands of people each year across the U.S. and Canada. A member of the National Speakers Association and a Certified Speaking Professional, Dale L. Minnick, CSP is guaranteed to tickle your ribs and put new fire in your heart as he brings your audience a dose of high humor and deep inspiration.

## ANNUAL AABP BUSINESS MEETING AND AWARDS BREAKFAST

Continental Breakfast - No additional charge - Included in registration  
Saturday, September 24 ..... 7:00 a.m. - 9:00 a.m.  
Location: Allegheny Ballroom, Vista Hotel

Membership business will be conducted -- Highlights are: Presentation of Bovine Practitioner of the Year and Preventative Medicine Awards - Officer elections will be held.

## REGISTRANT'S LUNCHEON

Thursday, September 22 through Saturday, September 24  
Registrants may purchase lunches in the exhibit area.

## SPOUSE HOSPITALITY ROOM

Thursday, September 22 - Sunday, September 25  
Location: South 1 Lawrence Convention Center

## PUBLIC RELATIONS BREAKFAST

(By Invitation Only)

Friday, September 23 ..... 7:00 a.m. - 9:00 a.m.  
Location: Washington

For the seventh consecutive year, the Board of Governors will host a breakfast for invited media personnel to familiarize them with the AABP and our annual meeting.

## NATIONAL REPRODUCTION SYMPOSIUM

### Thursday, September 22

"New Technology in Reproduction"

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

Location: South Hall, Lawrence Convention Center

Moderator: **Erich Studer**

- 8:00 Welcome - **Basil Eastwood**
- 8:05 Automated Detection of Estrus: Can it be a reality?  
- **Phil Senger**
- 8:40 Hormonal Interventions in the Control of Fertility  
in Cattle - **Jeff Stevenson**
- 9:15 Alternative Methods of Determining Pregnancy  
- **Michael L. O'Connor**
- 9:50 Break
- 10:05 Designing Tomorrow's Genes - **Roy Ax**
- 10:40 Practical Applications and Genetic Implications of  
Microencapsulated and X-Y Separated Semen  
- **Ray Nebel**
- 11:15 National Dairy Database Demonstration  
- **Basil Eastwood**
- 11:30 Panel Discussion

### Thursday, September 22

"Reproductive Economics"

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

Location: South Hall, Lawrence Convention Center

Moderator: **Dr. Leo Timms**

- 1:00 Optimum Economical Goals - **David Galligan**
- 1:35 Managing Your Herd's Genetic Program -  
Economically - **Dennis Funk**
- 2:10 Reproduction Records and Production Medicine  
- **John Fetrow**
- 2:45 Break
- 3:00 Economics of Veterinary Reproductive Programs  
- **John Ferry**
- 3:35 Panel Discussion

### Friday, September 23

"Nutrition - Reproduction Interactions"

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

Location: South Hall, Lawrence Convention Center

Moderator: **Dr. Ellen Jordan**

- 8:00 Protein - Reproduction Interaction and Strategies  
- **Michael Hutjens**
- 8:35 Follicular Development and Fertility: Potential  
Impacts of Negative Energy Balance - **Jack Britt**
- 9:10 Energy Balance and Reproductive Performance in  
Dairy Herds - **James Ferguson**
- 9:45 Break
- 10:00 Effect of Minerals and Vitamins on Reproduction  
- **William Weiss**
- 10:35 Cystic Ovaries - **Robert Youngquist**
- 11:10 Panel Discussion

### Friday, September 23

"New Answers to Old Questions"

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

Location: South Hall, Lawrence Convention Center

Moderator: **Dr. Tom Bailey**

- 1:00 Interactive Effects of Semen Quantity, Semen  
Quality, and Insemination Techniques on Concep-  
tion Rates of Artificially Inseminated Cattle  
- **Mel De Jarnette**
- 1:35 Early Embryonic Mortality and Its Relationship to  
the Repeat Breeder Cow Syndrome - **Bill Silvia**
- 2:10 Approaches for Preventing Embryonic Losses  
Caused by Heat Stress - **Peter Hansen**
- 2:45 Break
- 3:00 Behavioral Considerations - Animal Density,  
Concrete/Footing - **Jack Albright**
- 3:35 BST and Reproduction - **Leon Weaver**
- 4:10 Panel Discussion

## GENERAL SESSIONS

### GENERAL SESSION I

#### Friday, September 23

"Bovine Diseases"

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

Location: Allegheny Ballroom

Moderator - **Kelly Lechtenberg**

- 8:00 Mycoplasmosis - **Richard Walker**
- 8:55 Salmonella - **Robert Sprowls**  
(overview and beef cattle involvement)
- 9:35 Salmonella (Dublin) - **Richard Walker**  
(dairy cattle)
- 9:50 Break
- 10:20 Central Nervous System Disorder Associated With  
Enteritis (Neryous Coccidiosis) - **Robert Sprowls**
- 10:50 Cryptosporidiosis - **Bruce Anderson**
- 11:40 Question and Answer Session
- 12:00 Noon Break

### GENERAL SESSION II

#### Friday, September 23

"Environmental Considerations"

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

Location: Allegheny Ballroom

Moderator: **Jerry Stokka**

- 1:30 Behavior Based Facility Design - **Stanley Curtis**
- 2:20 Endoparasites of Cattle - **James C. Williams**
- 3:10 Break
- 3:40 Environmental Management for the Beef Industry: State and US EPA Considerations - **John Sweeten**
- 4:30 Question and Answer Session and also time for Late Breaking Topics

## PRACTICE TIPS

**Friday, September 23**

7:30 - 9:30

Location: South Hall, Convention Center

Moderator: **Duane Miksch**

- 7:30 - 7:40 Urine pH Related to Dry Cow Rations  
- **Phillip Jardon**
- 7:42 - 7:52 Heifer Spaying Techniques - **Daryl Meyer**
- 7:54 - 8:04 Tennessee Tidbits IV - **Hugh McCampbell**
- 8:06 - 8:16 Interdigital Corn Removal - **Dale Walther**
- 8:18 - 8:28 Appalachian Adaptations - **Elaine Painter**
- 8:30 - 8:40 A Cow/Calf Herd Management Program  
- **Peter Denoyo**
- 8:42 - 8:52 Fenprostalene for Post-Partum Metritis  
- **Don Gardner**
- 8:54 - 9:04 Antemortem Diagnosis of BRD - **Dale Miskimins**
- 9:06 - 9:16 "Once Under" for Prepping Udders  
- **Roger Meads**
- 9:18 - 9:28 The One-Minute Examination - **D. Own Rae**
- 9:30 Adjourn (promise)

### ALTERNATE

Physics in Practice - Loading Cadavers

- **Paul Dubois**

## RESEARCH SUMMARIES

### RESEARCH SUMMARIES I

#### Beef and General

**Friday, September 23**

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

Location: Allegheny Ballroom II and III

Moderator: **Don Hansen**

- "HPLC comparison of tear film protein pattern in normal and infectious bovine keratoconjunctivitis affected cattle." - AABP AWARD RECIPIENT
- "The safety of vaccinating beef replacement heifers at weaning against 18 antigens."
- "Effect of experimental infection with *Pasteurella haemolytica* on pulmonary function in feedlot calves."
- "Acute feedlot arthritis associated with distinct strains of *Mycoplasma bovis*."
- "Effect of copper supplementation and vaccination on cellular immune response in growing beef calves."
- "Evidence supporting the mechanisms of enteric protection provided by colostrum whey fed supplements."

- "A comparison between intraperitoneal and intravenous fluid administration in moderately dehydrated calves on a California calf ranch."
- "A comparative study of long-acting antibiotic formulations in the treatment of respiratory disease in dairy calves during the first 90 days of life."
- "The usefulness of antemortem fecal samples as an alternative diagnostic specimen for the etiological diagnosis of neonatal calf scours."
- "The effect of maturation on ceftiofur pharmacokinetics."

## RESEARCH SUMMARIES II

### Dairy

**Friday, September 23**

Location: Allegheny Ballroom III

Moderator: **Robert van Saun**

- "Effect of calcium level on hypocalcaemia and associated conditions in dairy cattle fed anionic diets in the late dry period." - AABP AWARD RECIPIENT
- "Multiple paths to maximum milk production in dairy herds."
- "The Epidemiology of *Staphylococcus aureus* Mastitis in Dairy Heifers."
- "Prevalence of lesions of subclinical laminitis in first lactation cows from high production Ohio Holstein herds."
- "Financial effects of *Mycobacterium paratuberculosis* in a dairy herd: influence on mastitis, milk production and cull rate in clinically normal cows."
- "Postpartum pathologic changes associated with a palpable uterine lumen in dairy cattle."
- "Balancing for amino acids in dairy cattle diets."
- "Pharmacokinetics of ketoprofen in lactating dairy cows."
- "Is off target performance a real problem? How can you help your clients avoid being tricked?"
- "Effect of phenylbutazone and flunixin meglumine on clinical acute toxic mastitis in dairy cows."

## DAIRY SPLIT SESSIONS

**Saturday, September 24**

9:30 a.m. - 12:30 p.m.

TQM, Milk Quality and Mastitis

Location: Allegheny Ballroom

Moderator: **Jerry Harness**

- 9:30 TQM: Residue Avoidance, Pathogen Reduction, Animal Well-being and More - **Tom Fuhrmann**
- 10:15 Using Residue Tests in Support of a Quality Milk Program - **Bill Sischo**
- 10:45 Stray Voltage - Is It Really a Problem?  
- **Lee Southwick**
- 11:15 Alternatives in Mastitis Therapy  
- **Lorraine Sordillo**
- 11:45 Q & A

**Saturday, September 24**

1:30 p.m. - 5:00 p.m.  
 New Frontiers in Medicine  
 Location: Allegheny Ballroom  
 Moderator: **John Ferry**

- 1:30 Salmonellosis - **Pat McDonough**
- 2:00 The Bred Heifer: "Trojan Horse" of the Dairy Industry With Respect to BVD Virus - **Ed Dubovi**
- 2:30 Transmission of Johne's Disease - **Ray Sweeney**
- BREAK
- 3:30 Diagnosis of Neurologic Conditions - **Tom Divers**
- 4:00 Controlling Infectious Causes of Lameness - **Chuck Guard**
- 4:40 Speakers' panel Q & A

**Sunday, September 25**

8:00 a.m. - 12:00 noon  
 Management/Production Medicine  
 Location: Allegheny Ballroom  
 Moderator: **Larry Hutchinson**

- 8:00 Monitoring BST Herds - **Steve Eicker**
- 8:30 Intensive Pasture Management - **Larry Muller**
- 9:00 Management Strategies: Replacement Heifers - **Andy Skidmore**
- BREAK
- 9:30 Management Strategies: Culling - **Larry Jones**
- 10:15 Management and Financial Strategies: Expansion - **Don Rogers**
- 11:15 Herd Problem: **Speakers and Audience**

**COW/CALF SPLIT SESSIONS**

**Saturday, September 24**

9:30 a.m. - 12:00 Noon  
 Location: Westmoreland  
 Moderator: **Eddie Hamilton**

- 9:30 Feeding Broiler Litter to Beef Cows - **David Pugh**
- 10:15 Trace Mineral Nutrition in Brood Cows - **David Pugh**
- 11:00 Developing Nutrition Program for the Cow/Calf Herd - **David Swecker**
- 11:50 Q & A

**Saturday, September 24**

1:30 p.m. - 5:30 p.m.  
 Location: Westmoreland  
 Moderator: **Paul DuBois**

- 1:30 Standard Performance Analysis Update - **Jim McGrann**
- 2:15 Practice Opportunities in Cow/Calf Health Management - **Dave Dargatz**
- 3:00 BREAK
- 3:30 Use of Performance Ratios to Calculate the Economic Impact of Thin Cows in Beef Herds - **Steve Wikse**

- 4:15 Vaccination of Calves in Beef Herds/Impact on Performance - **Ron Cravens**
- 5:00 Q & A

**Sunday, September 25**

8:00 a.m. - 12:00 noon  
 Location: Westmoreland  
 Moderator: **Jim Furman**

- 8:00 Fescue Toxicity/Problems & Possible Solutions - **Duane Miksch**
- 8:45 Control of EVD in Cow/Calf Herds - **Steven Bolin**
- 9:30 BREAK
- 10:00 Designing the Beef Cow Herd for Efficiency - **Keith Lusby**
- 10:45 Bio Ethics; Animal Breeding, Disease and Welfare - **Randy Ott**
- 11:30 Q & A

**FEEDLOT SESSIONS**

**FEEDLOT SESSION I**

**Bacterial Pathogens in the Feedyard  
 -- Pathology and Prevention**

**Saturday, September 24**  
 Location: Cambria  
 Moderator: **J.P. Pollreis**

- 9:00 Pasteurella Vaccine Assessment Hemophilus - **Tony Confer**
- 10:00 Coffee and Milk Break
- 10:30 Other Feedyard Pathogens: Hemophilus, Mycoplasma - **Dale Grotelueschen**

**FEEDLOT SESSION II**

**Practical Feedyard Pharmacology  
 Saturday, September 24**

Location: Cambria  
 Moderator: **Steve Lewis**

- 1:30 What Do Bacterial MIC's and Culture/Sensitivities Really Mean for Bovine Respiratory Pathogens? - **Cyril Clarke**
- 2:15 Live Animal Sampling - **Cyril Clarke**
- 3:00 Coffee and Milk Break
- 3:30 Making the Antibiotic Choice for Treating Bovine Respiratory Disease - **Trevor Ames**

**SESSION III**

**Processing and Receival Programs  
 - Benefits vs Detriment**

**Sunday, September 25**  
 Location: Cambria  
 Moderator: **Robert Sprowls**

- 8:00 Calf - Ranch to Rail Data - Vaccine Efficacy  
Bloodless Castration Banding Evaluation  
- **Dee Griffin**
- 9:30 Coffee and Milk Break
- 10:00 Castration Methods and Evaluation  
Dehorning Evaluation  
Economic Evaluation of the Fed Cutting Bull  
- **Frank Brazle**

## TECHNOLOGY TRANSFER SYMPOSIUM

This symposium will present information on computers, software and related technology that is being developed but not yet available to the public.

*Fee:* Free to all registrants  
*Location:* Somerset East & West  
*Date:* Thursday, September 22  
*Time:* 1:00 p.m. - 4:00 p.m.  
*Coordinator:* **Patty Scharko, DVM**  
Phone (902) 566-0828  
FAX (902) 566-0958

- 1:00 p.m. Design of Strategic Anthelmintic Control Programs in Cattle Using a Mathematical Model  
- **Gary Smith, John Jacobsen**
- 2:00 p.m. Information At Your Fingertips: CD's and Software for Veterinarians  
- **William Sischo, Douglas Carmel**
- 3:00 p.m. Bridging the Gap Between Science and Practice: Technology for Today and the Future  
- **Jim Brewer**

## COMPUTER PRACTICE TIPS

*Fee:* Free to all registrants  
*Location:* Somerset East & West  
*Date:* Friday, September 23  
*Time:* 8:00 a.m. - 12:30 p.m.  
*Coordinator:* **Patty Scharko, DVM**  
Phone (902) 566-0828  
FAX (902) 566-0958  
E-mail: SCHARKO@ACAD1.CS.UPEI.CA

- 8:00 a.m. Tips on Buying Your First, Second, Third, . . . Computer - **Steve Eicker**
- 8:30 a.m. E-mail: Easy Access - **Jim Ehrlich**
- 9:00 a.m. Getting the Most Out of Listserv - **Mark Varner**
- 9:30 a.m. Production Information Required for Standardized Performance Analysis (SPA) in the cow-calf enterprise - **E.D. Hamilton**
- 10:00 a.m. Quick Books for Dairy Financial Record Keeping - **Roger Saltman**
- 10:30 a.m. There's More Than Just Beef and Dairy E-Mail to the Information Highway - **Mark Varner**
- 11:00 a.m. Introduction to the AVMA NOAH - **Jim Brewer**
- 11:30 a.m. Smart Pitchfork Software, a Manure Management Program - **Robert Smith**
- 12:00 noon AABP Software Library: Tips and Tidbits  
- **Julie Zdrojewski**

## AABP SOFTWARE LIBRARY

The AABP library of freely-copiable software programs will be available to members all day. Some of the programs are in the public domain, some are marketed as shareware, and others are demonstration versions of commercially available software.

Software is chosen to serve a variety of interests: practice management, beef and dairy applications, word processing, statistics, Internet access, and fun. Each program is checked for viruses, compressed and loaded onto the hard disks of dispensing machines. Members browse for free, then copy the programs of their choice onto floppies that are pre-formatted and pre-loaded with instructions for decompression. All proceeds from the sale of these floppy disks are devoted to the maintenance of the library.

*Fee:* Free browsing to all registrants  
*Location:* Somerset East & West  
*Date:* Saturday, September 24  
*Time:* 9:30 a.m. - 5:00 p.m.  
*Coordinator:* **Julie Zdrojewski, DVM**  
Phone (518) 638-8566  
FAX (518) 638-6287  
E-mail 597-4267@MCImail.com

## SEMINARS

The following seminars will be presented. For more information please refer to the printed program.

- Quality Milk Production
- Dairy Herd Evaluation: A Microcomputer Aided Approach
- Introduction to Microcomputers
- Dairy Production and Health Management Economics
- Veal/Dairy Beef Management
- Optimizing Dairy Heifer Replacement Programs
- Calf and Heifer Nutrition
- Internal Medicine for the Dairy Practitioner - Diagnostic and Computer Tips
- What's New in Diagnosing Cattle Diseases
- Embryo Transfer Techniques
- Embryo Freezing and Thawing Procedures Wet Lab
- Advanced Embryo Transfer:
  - a. Superovulation, Folliculogenesis and Oogenesis
  - b. Ultrasound use in E.T.
  - c. *In Vitro* Fertilization Update
  - d. Direct Ethylene Glycol Transfer Review and Cryopreservation Update
- Providing a Financial Analysis Service as Part of a Production Medicine Program
- Cost Effective Feedlot Consulting
- Restructuring Large Animal Practitioners to Meet Clients' Needs Today, Tomorrow and Beyond
- Control of Calf Mortality in Beef Herds
- Stray Voltage Training Workshop
- Pasture Use in Modern Livestock Operations
- Dry Cow Nutrition with Special Emphasis on the Dietary Cation-Anion Difference (DCAD) Concept
- Applied Dairy Nutrition and Lab Problem Solving

- Advanced Ration Evaluation and Reformulation
- Implementing Veterinary Nutritional Services
- Advanced Dairy Nutrition
- Marriage Enrichment
- Managing Issues and Opportunities: Media Opportunities
- Electronic Mail Startup

## TECHNOLOGY TRANSFER POSTER SESSION

**Thursday, September 22 — 4:00 p.m. - 7:00 p.m.**

**Friday, September 23 — 9:00 a.m. - 5:00 p.m.**

**Saturday, September 24 — 8:30 a.m. - 4:00 p.m.**

Location: East Exhibit Hall, Lawrence Convention Center

The TTPS supplements the formal program by providing additional information on ideas and concepts relating to bovine medicine. The session is designed to provide a forum for the exchange of information in a relaxed informal atmosphere. Participants include both university and industry representatives. Involvement in the TTPS is an excellent opportunity to teach and learn, and leads to valuable contacts in dairy and beef practice.

The TTPS will run simultaneously with the commercial exhibits. Presenters may be available to interact and answer questions Thursday afternoon, Friday coffee breaks, and at noon on Saturday.

## EXHIBITS

Location: East Exhibit Hall, Lawrence Convention Center

Exhibits are an important part of the AABP Conference. The exhibits will be open 19 hours for 2½ days in 1994. The following are special features of the AABP Conference exhibits:

**AABP Pre-Convention Reception:** The exhibits will open Thursday, September 22, at 4:00 p.m., one hour prior to the reception. The mixer/buffet reception will be held in and adjacent to the exhibit area from 5:00 p.m. - 7:00 p.m. This activity brings veterinarians, spouses and guests to the exhibit hall for a light meal and camaraderie before the opening ceremonies.

Half-hour coffee/milk breaks are held in the exhibit area during the morning and afternoon programs on Friday and Saturday.

**Lunches may be purchased from the concession stand, in the rear of the exhibit area. Good food will be available at reasonable prices. Lunch breaks are 1½ hours in duration.**

If you are coming to the AABP Conference to learn new ideas and concepts which will strengthen your professional activities, the exhibits can be an important part of this educational process, and we look forward to your participation.

## SOCIAL ACTIVITIES & TOURS

### OPENING EVENING HOSPITALITY

**Thursday, September 23**

East Exhibit Hall, Lawrence Convention Center

Open 4:00 p.m. - 7:00 p.m.

Hors d'oeuvres 5:00 p.m. - 7:00 p.m.

### OPENING SESSION

Location: Allegheny Ballroom

Program Committee Welcome & Awards Presentation

7:15 p.m. - 8:15 p.m.

**Keynote Speaker - Dale L. Minnick, CSP**

"Stick, Pick, Hook, Look, Laugh and Pray

8:15 p.m. - 9:15 p.m.

(see page iii)

### SATURDAY NIGHT EXTRAVAGANZA

"Having Fun Riverboat Style"

5:30 p.m. - 10:30 p.m.

One of Pittsburgh's favorite getaways is with the Gateway Clipper Fleet. The fleet is widely recommended by everyone who knows Pittsburgh. Celebrate AABP's special evening with a "Night Out on the Water" aboard the Captain's Dinner Dance Cruise. As our stately riverboat sails past the glistening city lights, you'll feast on a sumptuous dinner buffet complete with steam boat round. Meet new friends and reminisce with the old, while we navigate the Monongahela, the Allegheny and the Ohio rivers. The Gateway Clipper Fleet Band will be playing a variety of favorites for your listening and dancing enjoyment.

You'll board the shuttle buses outside the convention center starting at 5:30 p.m. for a short ride down to Station Square and the Gateway Clipper Fleet. Last bus leaves for the dock about 6:15 p.m. We board at 6:30 p.m. and sail at 7:00 p.m. If you take an early bus you'll have time to check out the entertainment and shopping at Station Square before boarding. When we return you can take the first bus back to the hotel or wait for about one half hour for the second bus while you explore Station Square. If you like Station Square and decide to stay it's just a short cab ride back to the hotels.

Register early to ensure your place!

Price Per Person: \$37.50

### TOURS

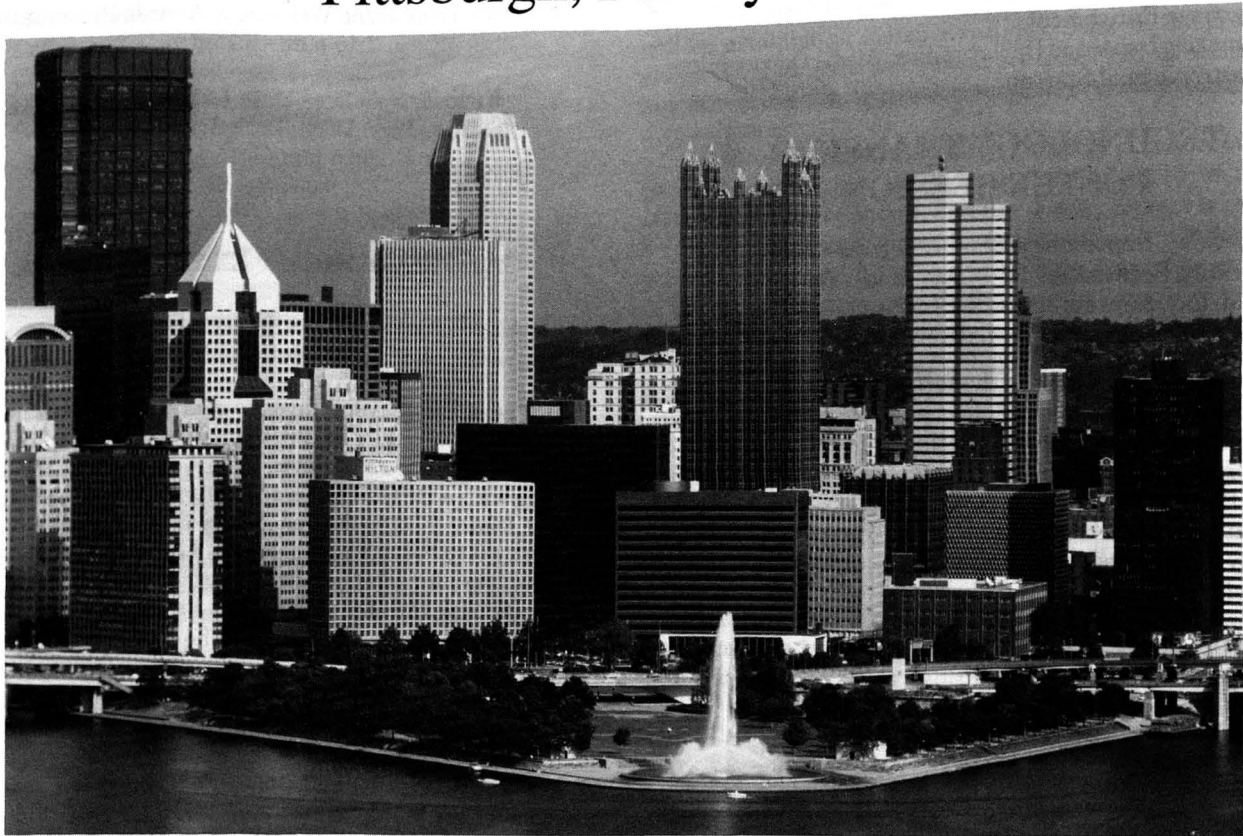
The local arrangements committee has arranged tours that will attract a wide variety of interests. There's lots to see here, so don't miss out.

All tours leave from the Convention Center which is across the street from the Vista Hotel.

A minimum number of participants will be required for the tours to operate. AABP will refund the tour fee if a tour is cancelled.



# Pittsburgh, Pennsylvania



*Pittsburgh's new skyline combines traditional and modern architecture.*

Pittsburgh, Pennsylvania, found its place on the map in the mid-1670s when the French and the British battled over possession of "the point" -- the land at the confluence of the Allegheny, Monongahela and Ohio Rivers. When the British proved victorious they erected Fort Pitt, the largest and most elaborate outpost constructed in North America at that time -- it was the nucleus of early Pittsburgh.

From the late 1700s until about 1820, the city's economy was strengthened by agriculture marketing and tourism expenditures from travelers on their way west.

In the mid-1800s, natural gas, coal and some of the world's purest oil was discovered in abundance in the area. In the mid-19th century, the Monongahela River's flatlands were the first industrialized for steel mills; the flatlands on the south banks of the Allegheny River became the site of iron foundries and strip mills and the east and west banks of the Ohio River also became industrial centers. By 1870 Pittsburgh was acknowledged as the "Forge of the Universe," turning out half of the glass and iron in the United States.

Following the completion of Andrew Carnegie's Edgar Thompson Steel Works in 1893, the steel industry soon blanketed almost all of southwestern Pennsylvania, stretching into eastern Ohio and West Virginia. Pittsburgh was now "The Steel Capital of the World."

Shortly after World War II, the public and private sector funded the first renaissance--a \$500 million program

that included smoke control and urban renewal. The 1970s ushered in the decline of the domestic steel industry, signaling the end of Pittsburgh's reign as a manufacturing powerhouse. During this decade, the city's economy experienced yet another shift from manufacturing base to one built on service and technology.

The 1980s marked the era of Renaissance II, a \$3 billion urban transformation. By the 1990s, not a single ton of steel was produced within the city limits, and very little is produced in the surrounding area. The steel mills have been replaced by high technology and entertainment complexes. Today, more than 800 firms and 85,000 people are involved in advanced technology in the Greater Pittsburgh area. The city is also a major center for business, higher education and health care.

In the fall of 1992, a new \$800 million airport was opened which is the first airport of the 21st century and one of the world's most user-friendly transportation hubs.

**Three Rivers Stadium** is the home of the Pittsburgh Pirates baseball, the Pittsburgh Steelers football and the Pittsburgh Penguins hockey teams.

Pittsburgh's cultural community offers quantity and quality with many of the area's performing arts groups and museums receiving national and international acclaim.

A host of traditional department stores, national retailers and specialty boutiques are situated along downtown Pittsburgh's 10 square blocks.

*(Source: Greater Pittsburgh Convention and Visitors Bureau)*

# AABP Headquarters

79 Pioneer Way, Rome, GA 30161

All roads lead to Georgia's Rome -- where the rivers meet and the mountains begin.

On November 1, 1993, this delightful city became the home of AABP's new headquarters, and Dr. James Jarrett took over the reins from Dr. Harold Amstutz as Executive Vice President.

Located in Floyd County in the rolling foothills of the Appalachian Mountains, Rome, founded in 1834, is a little more than a one hour drive from Atlanta and Chattanooga, Tennessee, and about a two hour drive from Birmingham, Alabama. The population of Rome and Floyd County is between 65,000 and 70,000.

Rome is built around three rivers. The Etowah and Oostanaula join in the heart of the city to form the mighty Coosa. As the river names suggest, Rome's first settlers were Cherokee Indians. Chieftains, a house museum, was the home of Cherokee leader, Major Ridge. The museum portrays the Cherokees' amazing lifestyle prior to the "Trail of Tears" removal in 1838.



Martha Berry, one of America's most remarkable daughters, founded in 1902 a unique institution which is now Berry College. To the manor born, Miss Berry left the beauty of her home, Oak Hill, stepping out on a plank of faith, and opening the famous Gate of Opportunity for thousands of young men and women over the years. Oak Hill, built in 1847, is a magnificent example of the classic Southern plantation. The campus of Berry College is now the world's largest, with 26,000 acres. This four-year private institution has a strong academic program, including dairying, with distinctive opportunities for student work experience and religion-in-life.

Capitoline Wolf, the statue of Romulus and Remus, is located near the Municipal Building. It was an official gift from the Roman Governor, by order of the Italian Dictator, Benito Mussolini. It was presented when Chatillon Corporation (Silk Mill), now Celanese Corpo-

ration of America, originating from the Chatillon Corporation in Italy, was brought to Rome, Georgia -- a gift from ancient Rome to modern Rome. The original statue stands in the Palazzo dei Conservatori on Capitoline Hill in Rome, Italy.

In 1933 one of the twins -- no one knows whether it was Romulus or Remus -- was kidnapped from the pedestal. It was never found, but through the efforts of the Rome Rotary Club and International Rotary Club, another twin was sent from Italy to replace it.

During World War II the statue was removed and stored for safety. In 1952 the 1500-pound statue was placed again on its pedestal in front of the Municipal Building.

*(Information courtesy of Greater Rome Convention and Visitors Bureau)*



**Capitoline Wolf:** the Romans believed that the father of Romulus, the mythical founder of Rome, was Mars -- the god of war. His mother, the daughter of King Numitor of Alba Longa, was said to be descended from the great Trojan hero, Aeneas, a son of the goddess Venus. According to the legend, a brother of King Numitor usurped the Alban throne and ordered Romulus and his twin brother, Remus, to be thrown into the river Tiber. They were miraculously saved, however, and were nursed and cared for by a she-wolf until discovered by a shepherd, who brought them up in his home.

The brothers grew up and decided to found a city on the banks of the Tiber -- but in a quarrel over the naming of the city Remus was slain. Romulus then built the city which is Rome. Romulus made peace with the neighboring people and was caught up to heaven during a terrible storm, to dwell with his father Mars. Afterwards he was worshipped by the Romans as Quirinus. *(Greater Rome Convention and Visitors Bureau)*

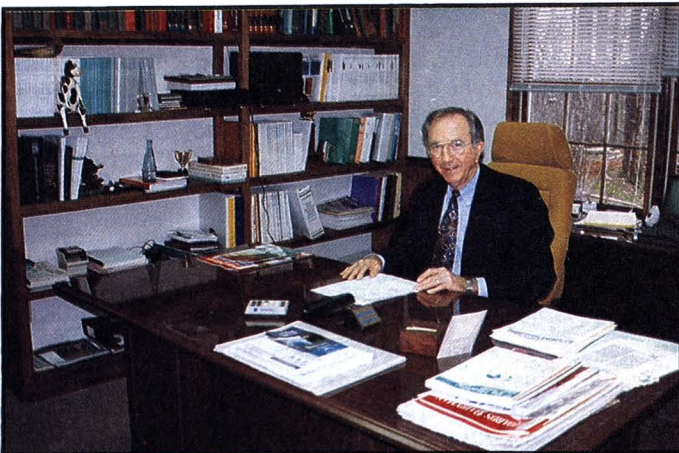


*AABP Headquarters: 79 Pioneer Way, Rome, Georgia 30161*

The national office is housed in just over 1,000 square feet of floor space, located on approximately 14 acres of beautifully wooded North Georgia countryside. The setting overlooks the Etowah River as it flows towards Rome.

The office is constructed according to the latest energy efficiency standards, including maximum insulation in all the walls, double pane windows and insulated doors. It also has a state-of-the-art electronic security system for both theft and fire.

The floor space is arranged in offices for the Executive Vice President and the Administrative Assistant, a bathroom, small storage and kitchen area and a large storage and utility area that currently contains the copier machine. It is used to store items prior to meetings and collate items for the Board and other activities.



*Dr. James Jarrett, AABP Executive Vice President at his desk.*



*Leigh-Ann Waits, Administrative Assistant with Director Paul Johnson and AABP President Reilly Glore.*

# AABP Board of Directors Meeting

The Board of Directors met at the Renaissance Hotel, near Atlanta Airport on March 25-27. All Board members were present. On Saturday afternoon, March 26, the Board traveled to Rome to visit the new AABP Headquarters and later attended an E-mail training

session at Coosa Valley Technical College. They were entertained to dinner at Coosa Country Club in the evening, guests of the Monsanto Company, hosted by Dr. Ashby Green, before returning to Atlanta.



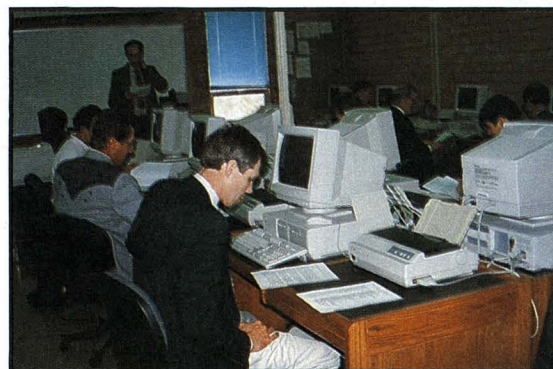
*AABP Board of Directors and Staff: **Front row:** Leigh-Ann Waits, President Reilly Glore Directors John Ferry, Deborah Stark, J. Mack Coopsey (Parliamentarian), Roland Jeans, Treasurer and Director Jacob Hines **Second row:** Director Rodney Sydenham, Vice President Gatz Riddell, Jr., Directors Darrell Payne, Michael Anderson, Jerome Harness, Robert Corbett, Gary Daley, Kent Ames, Executive Vice President James Jarrett, Director Paul Johnson and Past President Darrel Johnson **Back Row:** President Elect Robert Smith, Directors Andrew Overby and Delbert Miles.*



*AABP President, Reilly Glore with Harold Smith, left, Executive Secretary Greater Rome Chamber of Commerce, Martin Goldberg, AABP member and faculty member at Berry College and Derward Powell, President, Coosa Valley Technical Institute.*



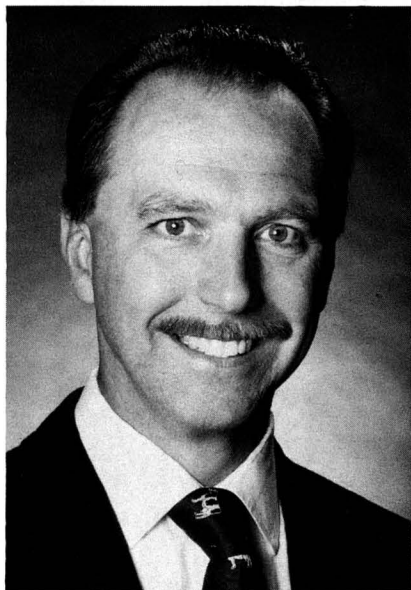
*Leigh-Ann Waits and her fiancée Jamey Hunt with Margaret and James Jarrett. Leigh-Ann and Jamey were married on Saturday, June 4.*



*Session on E-mail.*

# AABP Officers

## President



**Dr. Reilly Glore,**  
*DVM*  
*Montesano*  
*Washington*

A native of Missoula, Montana, Dr. Glore worked on various beef ranches while growing up. He received the DVM degree from Washington State University in 1972 and became an associate veterinarian at Vetter's Veterinary Clinic, a 3-veterinarian mixed practice in Raymond, WA.

In 1975, Dr. Glore established a veterinary practice in Montesano, Washington which is now a 3-veterinarian mixed practice at Brady Veterinary Hospital, where he is the senior partner. He is also a partner in Aberdeen Animal Hospital. The majority of his duties are dairy production medicine activities with some small animal and equine practice.

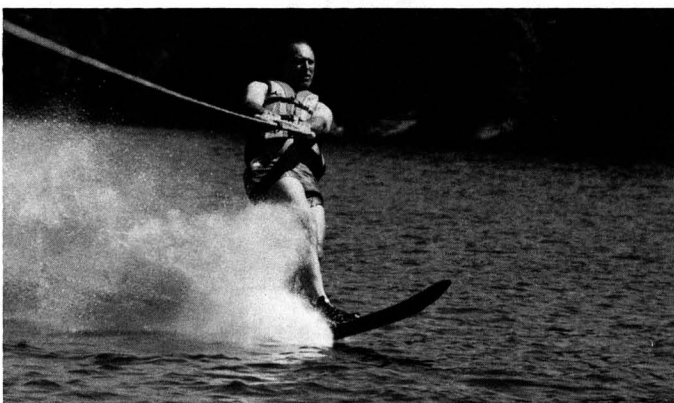
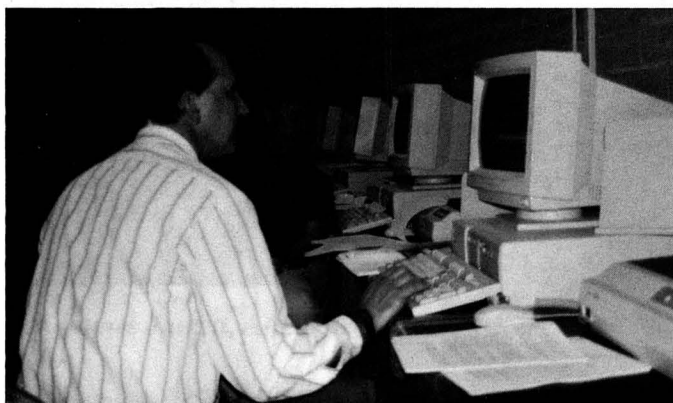
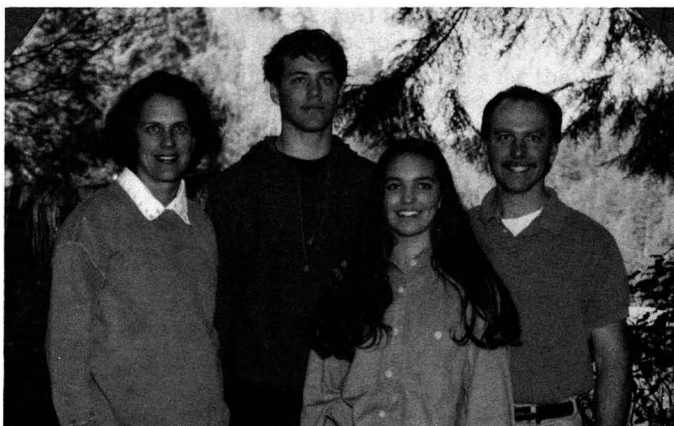
Dr. Glore is a member of AVMA, WSVMA, AAHA, Society for Theriogenology, Veterinary Computer Society and the National Mastitis Council. He is Past President of South Puget Sound VMA, Washington State VMA and served as Director of AABP District IX from 1988 to 1992. He also served on the AABP Nutrition Committee. He was elected AABP Vice President in 1992. He became AABP President

Elected in 1993 and served as Program Chairman.

Dr. Glore is food animal representative for WSVMA Animal Welfare Committee and the Pharmacy and Biologics Committee. He serves on the Montesano School Board.

Dr. Glore has published several articles on herd health, mastitis control, free stalls, nutrition, and the use of laptop computers in practice and veterinary fees. He was the Moderator on a panel discussion on "The Future of Dairy Practice in 2000" at the 1992 WSU Spring Conference. He presented two seminars on dairy production medicine and surgery to a Japanese bovine practitioners delegation in Seattle in 1991 and 1992. At the American Animal Science Association Annual Meeting in 1993, he presented a paper on "Strategies for Minimizing Drug Use on Dairy Farms."

Dr. Glore and his wife, Lynne, have two children — Gavin, 17 and Megan, 15. They enjoy snow skiing and water skiing. Dr. Glore has an interest in carpentry, woodwork and "playing with computers."



# A Message From The President

1994 has been a year of transition for our organization. We have been busy with the details of establishing the principal offices in Rome, Georgia. This task has gone smoothly, thanks to the able efforts of Executive Vice President, Jim Jarrett. Our administrative assistant, Leigh Ann Hunt has done an outstanding job of mastering the details of organizing our office work. Office procedures have been expedited with the advent of electronic communications via E-mail between the board of directors. Bookkeeping has become fully computerized, allowing us to perform many tasks in-house that formerly were hired out to an accountant.

We continue to approach bovine practice from a global perspective. The membership has been represented at official hearings on selenium supplementation of feeds, certification of antibiotic residue test kits, flouroquinolone uses in animals, and food animal integrated research for 1995. Dr. Jarrett has represented us at the British Cattle Veterinary Association and will attend the World Buiatrics Association Congress in Bologna, Italy. Due to the frequent flyer program and sponsorship by allied organizations, these international trips are made without significant cost to the organization.

**An important step in keeping the AABP in the forefront for bovine practitioners has been taken with the initiation of a formal strategic long**

**range planning process. This will be started in earnest just prior to the Pittsburgh meeting with a completion goal of early spring 1995.**

All this aside, we must remember that we are bovine PRACTITIONERS, a profession we chose and enjoy. I have always felt like my practice was my hobby as one couldn't have that much fun at a real job. Recently, I found out why it is that we love our calling. It is the latest trend in outdoor pursuits, now commonly referred to as RISK RECREATION. You know - people who jump out of planes. . . . on purpose, those weekend warriors who try and climb up a cliff, paddle a raging rapids, or see how long they can stay on top of a 1800 lb. bull.

I know it is a little disconcerting to think that good old conservative down home bovine practitioners are on the forefront of a popular trend. According to *Parks & Recreation Magazine*, risk recreation is defined as "a variety of self initiated activities utilizing an interaction with the natural environment that contains elements of real or apparent danger in which the outcome, while uncertain, can be influenced by the participants and the circumstances." Folks, if that isn't bovine practice day in and day out, I don't know what is!!

Reilly Glore, DVM  
President



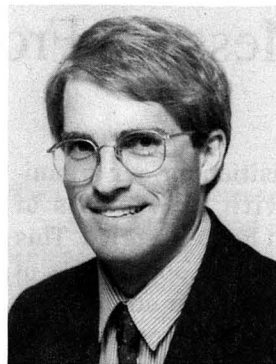


## President-Elect

**Robert A. Smith, DVM**  
*Stillwater, Oklahoma*

**Dr. Robert A. Smith, Stillwater, Oklahoma is the AABP President-Elect.**

A native of southeast Kansas, Dr. Smith received the BS (1968) and MS (1970) degrees in Animal Science from Kansas State University. He was on active duty in the United States Army from 1970-1972, then



## Vice President

**M. Gatz Riddell, Jr., DVM**  
*Auburn, Alabama*

**Dr. M. Gatz Riddell, Jr., Auburn Alabama is the new AABP Vice President.**

Dr. Riddell was born in McPherson, Kansas. He received the B.S. degree in Arts & Sciences and also the DVM degree from Kansas State University in 1977. Dr. Riddell served an internship in Large Animal

Surgery and Medicine at the College of Veterinary Medicine, Auburn University Auburn, AL from 1977 to 1978 followed by a 3 year residency in Theriogenology at the same department. For the next couple of years, he was engaged in veterinary practice at the Harrogate Hospital for Animals, Harrogate, TN. (8 person mixed practice with emphasis on dairy herd health and embryo transfer). In 1982, he joined the Henderson Animal Clinic, Henderson, TN and in 1984 the Department of Large Animal Surgery and Medicine, College of Veterinary Medicine, Auburn University as an Assistant Professor and at present he is an Associate Professor.

Dr. Riddell became a Diplomate, American College of Theriogenologists in 1982 and received the M.S. degree in Large Animal Surgery and Medicine from Auburn University in 1984. He teaches Bovine Theriogenology, Physical Diagnosis and Dairy Clinic Rotations. He is also responsible for clinical electives in advanced reproductive technique, dairy production medicine, clinical care of client and clinic animals and full managerial responsibilities of the Large Animal Clinic Dairy Herd since 1988.

Dr. Riddell was elected to the AABP Board of Directors to represent District 3 in 1988. He served as local arrangements chairman for the 24th Annual AABP Conference in Orlando, FL in 1991. He is Seminars Chairman for this year's annual conference in Pittsburgh, PA.

Dr. Riddell received the Norden Distinguished Teachers Award in 1986 and was named the Student Government Association Outstanding Teacher in 1989. He is a member of numerous professional organizations and has published several papers on his research work in food animal theriogenology. Dr. Riddell has presented papers at many local, state and national meetings.

Dr. Riddell and Dr. Kay F. Pelly were married on October 25, 1980. They have three children: Molly Elizabeth, 7; Gatz Westbrook, 5; and Jonathan Pelly, 14 months old. His hobbies include bicycling, gardening, woodworking and kids.

returned to his alma mater and received the DVM degree in 1976.

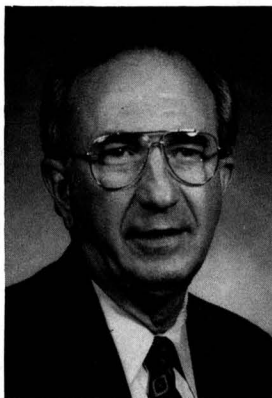
Dr. Smith spent a few months in private practice before assuming a large animal internship in the Department of Medicine and Surgery at Oklahoma State University. Until 1990, he was a field services clinician in the Large Animal Clinic and became Co-Director of the Pawhuska (Oklahoma) Research Station. During 1990 and 1991, Dr. Smith worked as a feedyard consultant with Palo Duro Veterinary Service, Canyon, Texas. Since late 1991, he has held the McCasland Chair in Beef Health and Production at Oklahoma State University and continues to work part time as a feedyard consultant with Palo Duro Consultation. Dr. Smith has presented numerous lectures and seminars at local, state and national meetings. He received the Norden Distinguished Teacher Award in 1983. He is currently involved in beef cattle extension and conducts research at the Pawhuska Research Station.

Dr. Smith is a Diplomate of the American Board of Veterinary Practitioners. He is a member of the AVMA, AABP, Kansas VMA, Oklahoma VMA, Academy of Veterinary Consultants, National Cattlemen's Association and Oklahoma Cattlemen's Association.

Dr. Smith has served AABP as Director from District 7 (1987-92), Vice-President (1992-93), and President-Elect (1993-94). He was a Food Animal Regent, American Board of Veterinary Practitioners, 1986-1991; Director, Academy of Veterinary Consultants; Member of the NCA Beef Quality Task Force from 1991 to present; Director, Oklahoma Livestock Industry Foundation; and continues to serve as a liaison between AABP and NCA and AVC.

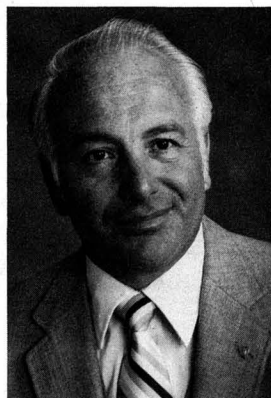
Dr. Smith holds the rank of Lieutenant Colonel, Air Defense Artillery, USAR. He is married with four children. His hobbies are flying, muscle cars and cattle operations.

## Executive Vice President



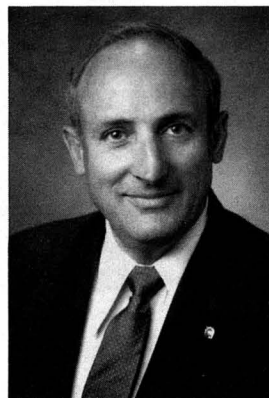
**James A. Jarrett**  
*DVM*  
*Rome, Georgia*  
*(also AVMA*  
*Alternate Delegate)*

## Treasurer



**Roland S. Jeans**  
*DVM*  
*Evansville, Wisconsin*

## AABP Exhibits Manager



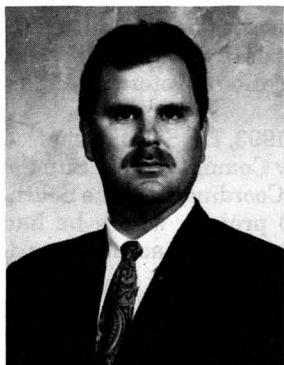
**Samuel Hutchins III**  
*DVM*  
*South Barre, Vermont*

## AVMA Delegate



**Robert H. Keith**  
*DVM*  
*Monroe, Wisconsin*

## New Directors



**Dr. Paul E. Johnson, Enterprise, Alabama is the new Director for District 3.**

Dr. Johnson is a native of Atmore, AL. He received the DVM degree from Auburn University in 1980. He became engaged in a two-man practice in Enterprise, Alabama and the following year

he established his own large animal practice in Enterprise. He practices exclusively with dairy clients as a consultant in every aspect of the dairy farm from nutrition to barn design. His consulting practice covers Florida, South Georgia and South Alabama, with about 48,000 cattle population. He is a consultant also to allied dairy industries in Japan, US Virgin Islands & Australia.

Dr. Johnson is a member of the AVMA, Society for Theriogenology, Alabama VMA, Alabama Academy of Veterinary Practice, National Mastitis Council and the AABP Reproduction Committee.

Dr. Johnson was the 1993 recipient of the MSD AGVET AABP Award for Excellence in Dairy Preventive Medicine. He served as moderator of the Dairy Split Session at the Albuquerque Convention in 1993.

Dr. Johnson and his wife, Ginger have three sons: Matt, Adam, and Clarke.



**Dr. John W. Ferry, Adams, New York is the new Director for District One.**

Dr. Adams is a native of Albany, NY. He received the DVM degree from Cornell University in 1977. He is engaged in practice at Adams, NY where he is a leader in the area of production medicine and an

avid proponent of client education.

Dr. Ferry is a member of the AVMA, NY State VMS, AABP, Academy of Veterinary Consultants, National Mastitis Council and New York Farm Bureau. He is currently Chairman, Board of Directors for the Empire State Mastitis Council. His activities in the NYVMS include chairmanship of the Ruminant Health and Nutrition Committee, Co-chairperson of the Public Relations Committee and a member of the Bovine Practice Committee. He is also a member, Advisory Committee for the Northern New York Agricultural Development Program.

Dr. Ferry was the recipient of the 1992 MSD AGVET AABP Award for Excellence in Dairy Preventative Medicine.

Dr. Ferry is a Catechist for St. Cecilia's Roman Catholic Church and a member of the Knights of Columbus.

Dr. Ferry and his wife Tracy, have three children: Brenna, 12; Elizabeth, 10 and Danny, 6. He enjoys fishing and downhill skiing.



**Dr. Gary W. Daley, Turlock, California is the new Director for District 10.**

Dr. Daley was born and raised in Turlock. He obtained the BS degree in Animal Science in 1973 and the DVM degree in 1978 from the University of California-Davis. He joined the Lander Veterinary Clinic in Turlock

and has been there for 16 years. The Clinic is a mixed practice established in 1950 by Dr. Robert J. Harris, a Past President of AABP. In 1970, the decision was made

to concentrate on the growing dairy industry in the area. The practice has steadily grown to require the services of eleven full time veterinarians.

Most of Dr. Daley's time is devoted to herd work and computerized records. Others in the practice have developed areas of expertise to provide services in the area of nutrition, embryo transfer, machinery evaluation and financial analysis.

Dr. Daley is a member of the AVMA, California VMA, NSJVMA & CBCIA. His hobbies include skiing, backpacking, camping and getting kids to their school, church and athletic functions.

Dr. Daley and his wife, Nancy, have four children: Derek, 13; Kaci, 13; Dawn, 10 and Craig, 7.



# New Center Director and Deputy Director for CVM

Dr. Stephen F. Sundlof has been chosen to be the director of the Center for Veterinary Medicine. He succeeds Dr. Gerald B. Guest who retired as Center Director on April 30, 1993. By Dr. Sundlof's request, he will have two deputy directors — one for premarket review and the other for postmarket surveillance and compliance. Dr. Richard H. Teske, who had been acting as Center Director, will assume the position of Deputy Director for Premarket Surveillance and Compliance.

Prior to joining FDA, Dr. Sundlof was an associate professor in the Department of Physiological Sciences at the College of Veterinary Medicine at the University of Florida. He is nationally and internationally known for his work on pharmacokinetics of animal drugs, especially in food animal species. Dr. Sundlof has been active in determining the human food safety aspects of drug residues in foods of animal origin. Dr. Sundlof, who received his DVM and PhD degrees from the University of Illinois, College of Veterinary Medical Sciences, is board certified in veterinary toxicology. He has served as the American Veterinary Medical Association del-

egate to the WHO/FAO Codex Alimentarius Committee on Residues of Veterinary Drugs in Food. In addition, he is the president elect of the American Association of Veterinary Pharmacology and Therapeutics.

From March 1993 to October 1993, Dr. Sundlof chaired FDA's Veterinary Medicine Advisory Committee. Dr. Sundlof also had served as the Animal Drug Coordinator of the Southern Region Interregional-4 (IR-4) project, where he had experience in gaining drug approvals for pharmaceutical products.

In addition to his position as deputy director, Dr. Blackwell has also been appointed Chief Veterinary Officer for the U.S. Public Health Service by Surgeon General Joycelyn Elders. In this capacity, he will serve a four-year term as the primary advisor to the Surgeon General regarding issues concerning all veterinarians in the Public Health Service.

Prior to assuming his duties as deputy director in CVM, Dr. Blackwell was employed in FDA's Center for Devices and Radiological Health (CDRH) as the Deputy Director for the Division of General and Restorative Devices in the Office of Device Evaluation. Prior to joining CDRH, Dr. Blackwell was employed in CVM's Office of Surveillance and Compliance. Dr. Blackwell holds both DVM and Master of Public Health degrees.

*Information supplied by: Food and Drug Administration, 7500 Standish Place, Rockville, MD 20855 June 13, 1994.*

## In Memoriam



*Professor Dr. Gert Espersen*

Professor Dr. Gert Espersen, Copenhagen, Denmark, died on Sunday, January 9, 1994. He was one of the organizing members of the World Association for Buiatrics and served on the Board of Directors for many years. He took part in the first seven WAB Congresses. Dr. Espersen was world renowned as an outstanding bovine clinician and teacher.

Dr. Espersen was born on the island of Bornholm, Denmark, on February 6, 1922. He received the Veterinary Science degree from Copenhagen in 1946. After a short time in practice he became an assistant lecturer in the Department of Anatomy, Royal Veterinary and Agricultural University (RVAU), Copenhagen. In 1961 he was appointed Professor and Head of the Special Surgery Clinic for Large Animals.

International cooperation with veterinary schools and academics all over the world was near to his heart. In appreciation of his international work for veterinarians, Rotary International appointed him a Paul Harris Fellow in 1991.

Dr. Espersen was a pioneer in improving clinical diagnostic methods for abdominal diseases in cattle, especially relating to the abomasum and cecum. He was cited in practically all textbooks dealing with cattle abdominal disorders. His fertile brain prepared the way further for clinico-pathological, clinico-chemical, epidemiological and etiological studies of these diseases. He was a leader in letting students perform surgery under the supervision of the teacher.

Dr. Espersen was a student of the history of veterinary science. In 1973 he established the museum of Veterinary Science at the RVAU and published a monogram on Danish veterinary instruments through 200 years (1773-1972). He was awarded the Chiron Medal by the International Veterinary Historical Society, and in 1992 he was appointed an honorary member of the Danish Society of Veterinary History.

Dr. Steen Dirch Poulsen wrote, "I am very grateful for the opportunity I have had for 25 years to work together with Professor Gert Espersen and to get to know him well. He was a fine man of wide culture, who, with a twinkle in his eye, created so pleasant an atmosphere in the Clinic of Surgery that we looked forward to going to work every day. Gert is no more, but he and his work will always be remembered by those who knew him. Let us pay tribute to the memory of Gert Espersen."

# XXV World Veterinary Association (WVA) Congress and XX World Small Animal Veterinary (WSAVA) Congress



September 3 — 9, 1995  
Yokohama, Japan

## Programs & Events

- A. The Scientific Program will be composed of the following sessions:
1. Plenary Sessions will be held to discuss topics of global importance selected by the International Committee of the WVA.
  2. Symposia will be conducted by both WVA and the WSAVA as they have been organized in previous Congresses. Each Specialist Association may have one symposium on a topic of current interest.
  3. Sessions — Over 30 scientific fields will be covered by the Congress. Presentations will be organized by both the WVA and the WSAVA for papers selected by the Specialist Associations.
  4. Special lectures, award winners' lecture and state-of-the-art lectures will be organized by the WSAVA.
  5. Poster Sessions will be organized by both the WVA and the WSAVA.
  6. Video Sessions — A number of video tapes can be shown using the S-VHS system.
  7. Satellite Symposia will be organized by several sponsors. Some will be held in other Asian countries.
  8. Scientific visits to various institutions, schools and industrial plants will be organized.
- B. Commercial exhibitions will be held in a huge exhibition hall of 10,000 square metres at the Congress site. These will be jointly organized by the WVA and WSAVA.
- C. Social Program — There will be a banquet, special programs for auxiliary staff, a concert and nightly events in addition to sightseeing tours during and after the Congress.

For further information, please contact: Secretariat for WVC '95 Tel: 81-3-3273-2084  
c/o Sankei Convention FAX: 81-3-3273-2439  
Sankei Bldg. 10F, 1-7-2  
Chiyoda-ku, Tokyo, 100 Japan



## *Twenty Five Wonderful Years*

*With the publication of this year's journal, I will complete 25 years as editor. They have been wonderful years for which I am truly grateful. It has been a real pleasure to work with the officers, the Board of Directors and all of you, also the dedicated staff at Frontier Printers, Stillwater. I hope to continue as Editor for some more wonderful years.*

*Eric I. Williams*



## NAXCEL®

brand of ceftiofur sodium sterile powder

For Intramuscular Use in Cattle. This product may be used in lactating dairy cattle.

**CAUTION:** Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

### INDICATIONS

NAXCEL Sterile Powder is indicated for treatment of bovine respiratory disease (shipping fever, pneumonia) associated with *Pasteurella hemolytica*, *Pasteurella multocida* and *Haemophilus somnus*.

### DOSAGE AND ADMINISTRATION

NAXCEL Sterile Powder should be reconstituted as follows:

**1 gram vial** – Reconstitute with 20 mL Sterile Water for Injection. Each mL of the resulting solution contains ceftiofur sodium equivalent to 50 mg ceftiofur.

**4 gram vial** – Reconstitute with 80 mL Sterile Water for Injection. Each mL of the resulting solution contains ceftiofur sodium equivalent to 50 mg ceftiofur.

Reconstituted product should be used within 12 hours if stored at controlled room temperature or within 7 days if stored in a refrigerator (see STORAGE CONDITIONS).

NAXCEL should be administered by intramuscular injection to cattle at the dosage of 0.5 to 1.0 mg ceftiofur per pound of body weight (1-2 mL reconstituted sterile solution per 100 lb body weight). Selection of dosage (0.5 to 1.0 mg/lb) should be based on the practitioner's judgment of severity of disease (i.e., extent of elevated body temperature, depressed physical appearance, increased respiratory rate, coughing and/or loss of appetite). Treatment should be repeated every 24 hours for a total of three treatments. Additional treatments may be given on days four and five for animals which do not show a satisfactory response (not recovered) after the initial three treatments.

### CONTRAINDICATIONS

As with all drugs, the use of NAXCEL Sterile Powder is contraindicated in animals previously found to be hypersensitive to the drug.

### NOT FOR HUMAN USE KEEP OUT OF REACH OF CHILDREN

Antimicrobial drugs, including penicillins and cephalosporins, can cause allergic reaction in sensitized individuals. To minimize the possibility of reactions, users of such antimicrobials, including ceftiofur, are advised to avoid direct contact of the product with skin or mucous membranes.

### RESIDUE WARNINGS

Neither a pre-slaughter drug withdrawal interval nor a milk discard time is required when this product is used according to label indications, dosage and route of administration. Use of dosages in excess of those indicated or by unapproved routes of administration, such as intramammary, may result in illegal residues in tissues and/or in milk.

### ADVERSE REACTIONS

The use of NAXCEL Sterile Powder may result in some signs of immediate and transient local pain to the animal.

### STORAGE CONDITIONS

Store unconstituted product in a refrigerator 2°-8°C (36°-46°F).

Store reconstituted product either in a refrigerator 2°-8°C (36°-46°F) for up to 7 days or at controlled room temperature 15°-30°C (59°-86°F) for up to 12 hours.

Reconstituted NAXCEL can be frozen for up to 8 weeks without loss in potency or other chemical properties. Carefully thaw the frozen material under warm to hot running water, gently swirling the container to accelerate thawing. The frozen material may also be thawed at room temperature.

Protect from light. Color of the cake may vary from off-white to a tan color. Color does not affect potency.

### HOW SUPPLIED

NAXCEL Sterile Powder is available in the following package sizes:

<b>1 gram vial</b>	<b>NDC 0009-3362-03</b>
<b>4 gram vial</b>	<b>NDC 0009-3362-04</b>

NADA # 140-338, Approved by FDA

Manufactured for

**The Upjohn Company**, Kalamazoo, MI 49001 USA

Revised October 1992

814 055 010

**Upjohn**

**Your Solution Source<sup>SM</sup>**

The Upjohn Company, Animal Health Division  
Kalamazoo, MI 49001

# Straight Talk on Respiratory Disease:

## The most cost-effective antibiotic is the one that works.



**Jim Van Buren, D.V.M.**  
Technical  
Services Consultant  
The Upjohn Company

In selecting an antibiotic for treatment of pneumonia, efficacy of treatment is the true measure of cost effectiveness. Early treatment with the most effective antibiotic reduces fever quickly, puts your cattle back on feed sooner, and saves you money.

### Kill three pathogens. Not just one or two.

One antibiotic has been proven effective against a full range of bacteria that cause pneumonia (bovine respiratory disease [BRD]), including *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus somnus*. That antibiotic is NAXCEL® Sterile Powder (ceftiofur sodium), the only antibiotic labeled for all three BRD pathogens, not just one or two. Though some pathogens have shown reduced susceptibility to other antibiotics, not one single BRD pathogen has shown evidence of resistance to the powerful, broad-spectrum effectiveness of NAXCEL.\*

### Low mortality. Few repulls.

As you can see in the chart to the right, the wide-spectrum effectiveness with lack of resistance of NAXCEL results in not only a low mortality rate, but a low relapse rate. The low dosage (1 mL/cwt) of NAXCEL puts less stress on sick animals as it eliminates the need for multiple injection sites that are required by larger doses of other treatments. Saving money, as well as the lives of your animals, is why you want to use the most effective antibiotic in the first place.

### Important performance factors.

The BRD treatment you select can affect your profits. Therefore, it's important to consider improved animal performance in the feedlot along with treatment cost in evaluating antibiotic selection for pneumonia. As the benefits of fast fever reduction and improved appetite can further offset the costs of treatment, the proven efficacy of low-dosage (1 mL/cwt) therapy with NAXCEL provides the best value.

Tests at eight feedlot locations in Texas, Oklahoma and Colorado compared the efficacy and cost-effectiveness of the recommended dosage of 1 mL/cwt of NAXCEL to the feedlot's best BRD treatment. A total of 637 cattle with an average weight of 639 pounds were selected for the study. In addition to reduced clinical signs of pneumonia and fever reduction, calves treated with NAXCEL also showed lower mortality and fewer relapses than those on the feedlot treatment. At a significantly lower cost ( $p < .05$ ).

### Proven efficacy at lower cost.\*

	NAXCEL Group	Feedlot Treatment
Number Treated	312	325
Mean Weight	642	636
Mean Temperature		
Day 1	104.9	104.9
Day 2	102.5	102.6
Day 5	102.3	102.8
Clinical Response (%)		
Day 4	269 (86%)	288 (89%)
Day 6	302 (97%)	312 (96%)
Retreated Within 28 Days	39 (12.5%)	56 (17.2%)
Mortality Within 28 Days	7 (2.2%)	11 (3.4%)
Mortality Within 90 Days	12 (3.8%)	18 (5.5%)
Mean Cost Per Head Treated	\$14.93 <sup>a</sup>	\$26.84 <sup>b</sup>

<sup>a</sup> Differ significantly  $p < .05$

In additional studies at four feedlot locations, which involved 527 non-pre-conditioned 450- to 700-pound calves suffering from pneumonia, those treated with NAXCEL at 1 mL/cwt showed better appetite scores than calves receiving standard feedlot treatments.

### Better appetite scores.

Improved Appetite in BRD-Infected Cattle\*  
Average appetite score of infected animals on day 2 of treatment.

Treatment	Appetite Score
NAXCEL	3.5
Feedlot Treatment	2.5

Animal Appetite Scores  
1= Not eating and down 3= Eating but not filled  
2= Not eating 4= Eating and filled

As the tables show, at the first sign of BRD, NAXCEL gives you the cost-effective way to reduce mortality rates and improve animal performance. Used according to label directions, NAXCEL provides safe, effective therapy with no tissue irritation and the flexibility of no pre-slaughter withdrawal.

### The one to use first is the one that works.

In maintaining today's standards of quality beef production, using the right antibiotic at the right level at the right time is your surest path to successful treatment of pneumonia. For proven efficacy, cost effectiveness and improved animal performance, the one to use first is the one that works. Use NAXCEL.

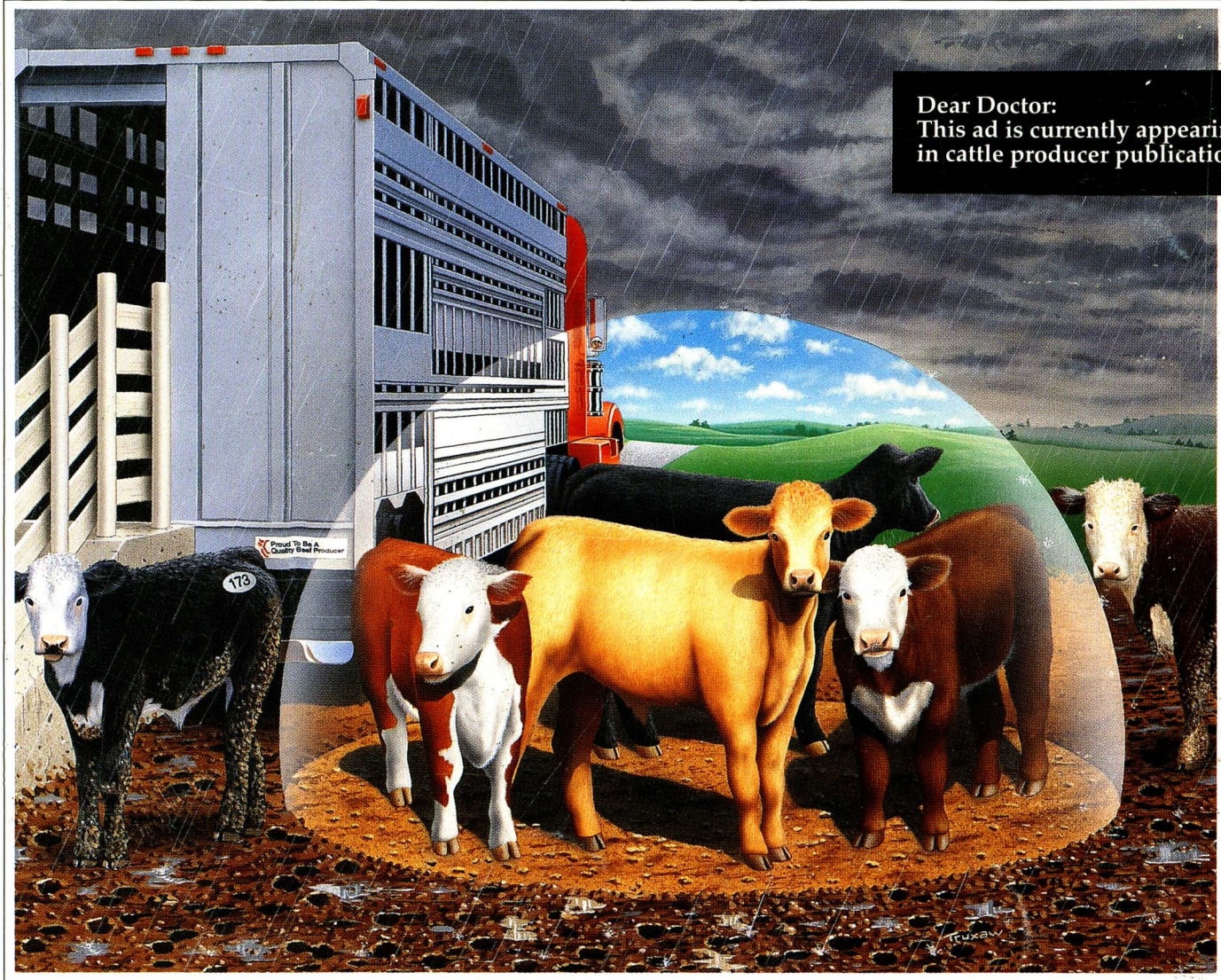
For more information, call  
1-800-FYI-NAXCEL.  
(1-800-394-6292)

<sup>a</sup>Data available on request



**Upjohn**

**Your Solution Source<sup>SM</sup>**  
The Upjohn Company, Animal Health Division  
Kalamazoo, MI 49001



Dear Doctor:  
This ad is currently appearing  
in cattle producer publications.

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In a perfect world cattle may not need protection against respiratory diseases. But in the real world, high-risk cattle stressed by shipping, processing, weather changes, comingling and exposure to multiple diseases, need faster and longer-lasting protection against IBR. Use IBR PLUS vaccines for feeder cattle and calves entering the feedyard or pasture and protect them from high-risk real-world situations.

Tandem IBR PLUS vaccines include a modified-live and a killed IBR fraction in the same vaccine which results in faster and

# Unless these are your cattle you need IBR PLUS.

longer-lasting protection. And with three different IBR PLUS combinations to choose from, you can vaccinate against a variety of diseases including IBR, BVD, BRSV, and PI<sub>3</sub>. Vaccinating with IBR PLUS also eliminates the added cost and stress associated with an intranasal IBR vaccine.

So even if you can't guarantee sunny skies and stress-free environments, you can make sure your cattle are protected against the ongoing challenge of IBR, BVD, BRSV and PI<sub>3</sub> with Tandem IBR PLUS vaccines.

**Tandem® IBR PLUS combination vaccines—  
faster, longer-lasting protection for high-risk cattle.**



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