

Program

6th ANNUAL CONVENTION AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

DECEMBER 2-5, 1973 · FORT WORTH, TEXAS

*Theme: What's the Present and Future of Bovine Practice?
The program this year is based on the changes and trends
of bovine practice as it applies to future planning.*

Pre-Convention Seminars

Friday, November 30, 1973, Room 302

Saturday and Sunday, December 1 & 2, 1973,
Longhorn Room

8:00 A.M. Friday thru 4:00 P.M. Sunday. **Production of Quality Milk** – Longhorn Room. *Dr. James A. Jarrett, Chairman, Rome, Georgia*

Sanitation: Milking Techniques; Dry Cow Management: *Dr. John M. Woods, Mesa, Arizona*

Quality Milk Production; Off Flavors; Ropy Milk: Bacteria Counts: *Dr. George Perlmutter, Fieldman for Coast Grain Co., Los Angeles, California*

Milking Machine Function and Testing: *Dr. James A. Jarrett, Rome, Georgia*

Bacteriology, Culturing Procedures, and Laboratory Techniques: *Dr. Donald S. Postle, Ithaca, New York*

(Registration Fee - \$200.00. Pre-registration by November 1, 1973. Limited to 30.)

Sunday, December 2

8:00 A.M. - 4:00 P.M. Continuation of **Production of Quality Milk Seminar**

9:00 A.M. - 11:30 A.M. AABP Committee Meetings. (Anyone interested may attend, but only committee members are allowed to vote. Committees are:

1. Health Management and Preconditioning. Hereford Room (top floor): *Dr. Joe Sexton, Sumner, Iowa*
2. Reproduction. Jr. Ballroom A: *Dr. Lloyd C. Faulkner, Ft. Collins, Colorado*
3. Nutrition. Jr. Ballroom B: *Dr. Otto Radostits*
4. Food & Drug. Jr. Ballroom C: *Dr. Robert Harris*
5. Animal Technicians. Jr. Ballroom D: *Dr. Samuel Hutchins, III, South Barre, Vermont*
6. Regulatory Medicine. Room 333: *Dr. Glenn Hoffsis, Columbus, Ohio*
7. Facilities and Housing. Room 305: *Dr. Jack Shanks, Olney, Maryland*
8. Infectious Diseases. Room 337: *Dr. John Noordsy, Manhattan, Kansas*
9. Continuing Education. Shorthorn Room: *Dr. Vernon Tharp, Columbus, Ohio*

9:00 A.M. - 5:00 P.M. Registration

9:30 A.M. - 11:30 A.M. Part I – Breeding Soundness. "Induced Parturition and Calving Difficulties," *Ed Carroll, Fort Collins, Colorado. \$10.00 Fee. (Pre-register or pay at registration area.)* "Normal Bovine Reproductive Physiology"

12:30 P.M. - 5:30 P.M. Board of Director's Luncheon & Meeting, Shorthorn Room, *Dr. Ben Harrington* presiding, Raleigh, North Carolina

1:00 P.M. - 3:00 P.M. Part II – Breeding Soundness. "Practical Applications in the Use of Estrogens, Progesterins, and Gonadotrophins," *Dr. William H. Brown, Broomfield, Colorado. \$10.00 Fee.*

3:30 P.M. - 5:30 P.M. Part III – Breeding Soundness. "Considerations in Management for Optimum Reproduction in Cattle," *Dr. Thomas H. Howard, Mesa, Arizona. \$10.00 Fee.*

5:30 P.M. - 6:00 P.M. Private discussions with speakers.
8:00 P.M. - 10:00 P.M. Panel Discussion, "Questions about Bovine Practice You've Always Wanted to Ask." Ground Ballroom No. 1 and 2. Moderator, *Dr. John Herrick, Ames, Iowa.* Assistant Moderator, *Dr. Harold Amstutz, W. Lafayette, Indiana.* Panel members are the 12 AABP Board of Directors:

- District No. 1 – *Dr. Samuel Hutchins, III, South Barre, Vermont*
- District No. 2 – *Dr. Jack Shanks, Olney, Maryland*
- District No. 3 – *Dr. James A. Jarrett, Rome, Georgia*
- District No. 4 – *Dr. Glenn F. Hoffsis, Columbus, Ohio*
- District No. 5 – *Dr. Leland C. Allenstein, Whitewater, Wisconsin*
- District No. 6 – *Dr. Joseph W. Sexton, Sumner, Iowa*
- District No. 7 – *Dr. John L. Noordsy, Manhattan, Kansas*
- District No. 8 – *Dr. Horace T. Barron, College Station, Texas*
- District No. 9 – *Dr. Lloyd C. Faulkner, Ft. Collins, Colorado*
- District No. 10 – *Dr. Robert J. Harris, Turlock, California*
- District No. 11 – *Dr. Frank K. Bracken, Pullman, Washington*
- District No. 12 – *Dr. Otto M. Radostits, Saskatoon, Saskatchewan, Canada*

Monday, December 3

7:00 A.M. Registration, Grand Foyer

7:30 A.M. - 2:00 P.M. Pre-Convention Tours. (Choose only one.) Dr. E. T. Skidmore, Hurst, Texas. Van Roach Cattle Co. and Bunker Hunt's Charolais Ranch. Lunch en route.

8:00 A.M. - 12:00 P.M. Lion Country Safari, DFW New Airport, and Marine Exhibit.

9:30 A.M. - 12:00 P.M. Sire Health Committee - National Association of Animal Breeders. Chairman: Dr. John Herrick, Ames, Iowa. Speaker: Dr. William Durfey, Columbia, Missouri. Santa Gertrudis Room.

1:00 P.M. Commercial Exhibits in Place, Grand Ballroom No. 4 and No. 5. Chairman: Dr. Sam Hutchins, III, South Barre, Vermont

2:00 P.M. - 5:00 P.M. **Practice Tips Session** – Grand Ballroom No. 1 and No. 2. *Dr. Robert J. Harris, Chairman, Turlock, California* **Time Limit – 9 minutes**

1. "Bovine G-I Tract": Dr. Fred Troutt, Athens, Georgia
2. "Surgical Removal of Prolapsed Cervical Ring": Dr. Lawrence Heider, Columbus, Ohio
3. "Criteria to Determine OB Delivery or Caesarean Section": Dr. Don Applegate, Versailles, Kentucky
4. "Application of Certain Enzyme Tests in Bovine Practice": Dr. Edward Sterner, Ionia, Michigan
5. "Bovine Restraint": Dr. John Carson, Brodhead, Wisconsin
6. "Laparotomy Anesthesia and Suture Technique": Dr. Jake Hines, Oxford, Wisconsin
7. "Practical Vehicle Management": Dr. L. D. Jernigan, Council Grove, Kansas
8. "Surgical Treatment of Urolithiasis": Dr. R. H. Spencer, Scott City, Kansas
9. "Large Animal Surgical Facilities—Drive-In Clinic": Dr. R. E. Williams, Moline, Kansas
10. "Practice-Owned Leasing Company for Vehicles and Other Equipment": Dr. Robert Jones, Childress, Texas
11. "Cradle to Table Beef Programming": Dr. Barry Allen, Rotan, Texas
12. "Improving Reproductive Performance of Three-Year-Old Beef Heifers": Dr. Ed Murray, Spur Texas
13. "Practical Approach to Fluid Therapy": Dr. Frank Mongini, Cotati, California
14. "Super Chlorination of Feedlot Drinking Water, Practical Method to Force Fluids into Baby Calf": Dr. Harry Reddick, Dos Palos, California
15. "Gamma Globulin Test on Young Calves": Dr. Henry Te Velde, Ontario, California
16. "Two-Bit Tips": Dr. Ben McFrederick, Turlock, California
17. "A Practical Method of Suturing Eyelids in Treatment of Corneal Lesions": Dr. Jack Ward, Hamilton, Montana
18. "Caslick Surgery in Bovine," "Use of Victorian Hoof Knife," "Use of Nose Tongs in Milk Fever": Dr. Robert Darlington, Snohomish, Washington

5:30 P.M. - 6:30 P.M. Cash Bar in Exhibit Area. Hors d'oeuvres – Mountain Oysters and Jerky.

8:00 P.M. - 10:00 P.M. **Table Topics**. *Co-Chairmen: Dr. Otto Radostits, Saskatoon, Saskatchewan, Canada, and Dr. J. W. Sexton, Sumner, Iowa*

1. "Use of Wooden Block in Bovine Lameness." Grand

Ballroom No. 1 and 2, Northeast Area: Dr. Bruce Hull, Ames, Iowa

2. "Radio-active Gold Implants for Cancer Eye." Grand Ballroom No. 1 and 2, Southeast Area: Dr. Roy B. England, College Station, Texas

3. "Peroneal Surgery." Grand Ballroom No. 1 and 2, Northwest Area: Dr. Ed Mauner, Columbia, Missouri

4. "Cosmetic Dehorning." Grand Ballroom No. 1 and 2, Southwest Area: Dr. Gavin Hamilton, Saskatoon, Saskatchewan, Canada

5. "Clinical Management of Urinary Calculi in Steers and its Complications." Grand Ballroom No. 3, Northeast Area: Dr. James Brewitt, Maple Creek, Saskatchewan, Canada

6. "Examination of Frozen Semen." Grand Ballroom No. 3, Southeast Area: Dr. William Brown, Denver, Colorado

7. "Gomer Bulls." Grand Ballroom No. 3, Southwest Area: Dr. Jerry Kunesh, Ames, Iowa

8. "Measurement of Testicles with Tape to Determine Sperm Output." Grand Ballroom No. 3, Northwest Area: Dr. Ed Carroll, Fort Collins, Colorado

9. "TV Tape on Fluid Therapy for Calf Scours." Junior Ballroom A: Dr. Robert Phillips, Fort Collins, Colorado

10. "Development of Cow-Calf Herd Health Programs." Junior Ballroom B: Dr. Ed W. Moss, Calgary, Alberta, Canada

11. "Feedlot Herd Health Programs." Junior Ballroom C: Dr. Robert Curtis, Guelph, Ontario, Canada

12. "Herd Health Programs in Dairy Herds." Junior Ballroom D: Dr. John F. Cote, Guelph, Ontario, Canada

13. "Dairy Herd Mastitis Control Program." Santa Gertrudis Room: Dr. D. C. Blood, Melbourne, Australia

Tuesday, December 4

7:00 A.M. Registration

7:30 A.M. Breakfast – Continental in Exhibit Area: Dr. William Lynch, Dallas, Texas

8:30 A.M. **Opening Ceremony** – Grand Ballroom No. 1 and 2, *Chairman: Dr. L. Mac Cropsey, Golden, Colorado*

8:30 A.M. - 8:40 A.M. Welcome – Dr. Ben Harrington, President AABP

8:40 A.M. - 9:10 A.M. Response – Dr. John F. Quinn, President AVMA, Lansing, Michigan

9:10 A.M. - 9:40 A.M. **Keynote Address** – **Dr. George Shelton**, Texas A&M University

9:40 A.M. - 9:45 A.M. Introduction of Guests and Committee Chairmen – Dr. Horace Barron, College Station, Texas (See also page 83.)

9:45 A.M. - 10:30 A.M. "Future Bovine Practice": Dr. D. C. Blood, University of Melbourne, Australia

10:30 A.M. - 10:45 A.M. Coffee and Milk Break in Exhibit Area

10:45 A.M. - 11:15 A.M. **General Session** – Grand Ballroom No. 1 and 2. *Chairman: Dr. Ben Harrington, Raleigh, North Carolina*

"Changes from Washington that Effect the Bovine Practitioner": Dr. Frank Mulhern, Washington, D.C.

11:15 A.M. - 12:00 P.M. "Trends for Veterinary Prac-

tioners in the 70's and 80's": Dr. L. S. "Bill" Pope, Associate Dean, Texas A&M, College Station, Texas

12:00 P.M. Lunch and AABP Annual Membership Meeting, Crystal Ballroom (14th Floor). Dr. Ben Harrington, Presiding

2:00 P.M. **Split Sessions** – Dairy, Cow-Calf, and Feedlot. (Choose only one.)

A. Dairy, Crystal Ballroom, Chairman: Dr. James Jarrett, Rome, Georgia. Theme: Nutrition in the Lactating Cow

2:00 P.M. - 2:40 P.M. "Energy – Sources and Digestion": Dr. Don Bath, Davis, California

2:40 P.M. - 3:20 P.M. "Protein and Protein Replacers": Dr. Spencer Morrison, Claremont, Ontario, Canada

3:20 P.M. - 4:00 P.M. "Blended Total Rations for Lactating Cows": Dr. Charlie Jarrett, Athens, Georgia

4:00 P.M. - 4:40 P.M. "Pathology Associated with Rations": Dr. Fred Troutt, Athens, Georgia

4:40 P.M. - 5:00 P.M. Panel Discussion – Question and Answer Period

B. Cow-Calf, Grand Ballroom No. 3, Chairman: Dr. Archie P. Andrews, Archer City, Texas

2:00 P.M. - 2:40 P.M. "The Unexplained Abortion": Dr. Peter C. Kennedy, Davis, California

2:40 P.M. - 3:20 P.M. "The Weak Calf Syndrome": Dr. Jack Ward, Hamilton, Montana

3:20 P.M. - 4:00 P.M. "Viruses as a Cause of Neonatal Calf Losses": Dr. M. J. Twiehaus, Lincoln, Nebraska

4:00 P.M. - 4:40 P.M. "A Practical Approach to Treating Neonatal Diarrhea": Dr. Alvin J. Edwards, Ainsworth, Nebraska

4:40 P.M. - 5:00 P.M. Panel Discussion – Question and Answers

C. Feedlot, Junior Ballroom, Chairman: Dr. Hal Rinker, Spearman, Texas. Theme: Epidemiology and Confinement Operations

2:00 P.M. - 3:00 P.M. "Basic Epidemiology and Confinement Operations": Dr. Robert Kahrs, Ithaca, New York

3:00 P.M. - 5:00 P.M. Panel Discussion of above subject. Moderator: Dr. Hal Rinker

3:00 P.M. - 3:15 P.M. Dr. Don Gutekurst, Washington Crossing, New Jersey

3:15 P.M. - 3:30 P.M. Dr. A. K. Eugster, College Station, Texas

3:30 P.M. - 3:45 P.M. Dr. George Crenshaw, Davis, California

3:45 P.M. - 4:00 P.M. Dr. Robert Kahrs, Ithaca, New York

4:00 P.M. - 5:00 P.M. Questions and Answers

6:00 P.M. - 7:00 P.M. Cash Bar Social Hour – Exhibit Area

7:30 P.M. Barbeque – Jettons – Grand Ballroom 1, 2 and 3 – Followed by Texas Country Music Show

Wednesday, December 5

7:00 A.M. Registration – Grand Foyer

7:30 A.M. - 8:30 A.M. Continental Breakfast – Exhibit Area. Chairman: Dr. John Ramge, College Station, Texas

8:30 A.M. General Session – Grand Ballroom 1 and 2. Dr. Vernon Tharp, Chairman, Columbus, Ohio. Theme: Current Topics that May Change Your Practice

8:30 A.M. - 8:55 A.M. "Bovine Coccidiosis – A Review of the Problem and Projected New Solutions": Dr. Robert Slater, Rahway, New Jersey

8:55 A.M. - 9:15 A.M. "Potential of Prostaglandins for the Practitioner and Cattle Industry": Dr. David Morrow, East Lansing, Michigan

9:15 A.M. - 10:15 A.M. "Food Animal Medicine: Yesterday's Fireman, Today's Practitioner, Tomorrow's Specialist": Panel. Dr. Wallace Larson, Chairman, San Antonio, Texas

9:20 A.M. - 9:35 A.M. Dairy Industry: Dr. L. C. Allenstein, Whitewater, Wisconsin

9:35 A.M. - 9:50 A.M. Cow-Calf Industry: Dr. Frank Morfett, Billy, Texas

9:50 A.M. - 10:05 A.M. Feedlot Industry: Dr. Bruce Champlin, Dodge City, Kansas

10:05 A.M. - 10:15 A.M. Panel Discussion

10:15 A.M. - 10:30 A.M. Milk and Coffee Break – Exhibit Area

10:30 A.M. General Session – Grand Ballroom 1 and 2. Chairman: Dr. Francis Fox, Ithaca, New York

10:30 A.M. - 11:00 A.M. "Preventive Medicine and Infertility in Herd Health Programs": Dr. D. C. Blood, Melbourne, Australia

11:00 A.M. - 11:30 A.M. "Has a Practitioner a Future for Pharmaceutical Sales?": Dr. John Linney, Merck, Inc., Rahway, New Jersey

11:30 A.M. - 12:00 A.M. "Animal Waste Problems and its Effect on You": Dr. B. P. (Bart) Cardon, Tucson, Arizona

12:00 P.M. - 1:30 P.M. Lunch – Crystal Ballroom. Chairman: Dr. L. Mac Cropsey. Speaker: Hon. Jerry Litton, U.S. Congressman from Chillicothe, Missouri

1:30 P.M. - 5:00 P.M. Commercial Exhibits dismantled. Chairman: Dr. Sam Hutchins

1:30 P.M. - 4:30 P.M. Split Sessions continued from Tuesday afternoon

A. Dairy – Ballroom No. 3. Chairman: Dr. William Stouder, Ontario, California. Theme: Raising Dairy Calves

1:30 P.M. - 2:10 P.M. "Gamma Globulin Determination and Functions": Dr. Dean Thomas, Davis, California

2:10 P.M. - 2:50 P.M. "An Epidemiologist Looks at Calf Diseases": Dr. Robert Kahrs, Ithaca, New York

2:50 P.M. - 3:30 P.M. "Nutrition of the Baby Calf": Dr. La Vern Schugel, Minneapolis, Minnesota

3:30 P.M. - 4:10 P.M. "A Successful Program for Raising Dairy Calves": Dr. Bob Bryant, Aurelia, Iowa

4:10 P.M. - 4:30 P.M. Panel Discussion – Question and Answer Period

B. Cow-Calf – Grand Ballroom 1 and 2. Chairman: Dr. Don Klinkerman, La Junta, Colorado. Theme: Management and Treatment of the Weaner-Stocker Calf

1:30 P.M. - 2:10 P.M. "Management and Treatment of the Weaner-Stocker Calf in Utah": Dr. James Bell, Center-ville, Utah

2:10 P.M. - 2:50 P.M. "Management and Treatment of the Weaner-Stocker Calf in California": Dr. Glen Lofgreen, El Centro, California
 2:50 P.M. - 3:30 P.M. "Management and Treatment of the Weaner-Stocker Calf in Montana": Dr. Don K. Shaffner, Dillon, Montana
 3:30 P.M. - 4:10 P.M. "From the Ranch into the Feedlot": Dr. Bruce Champlin, Dodge City, Kansas
 4:10 P.M. - 4:30 P.M. Panel Discussion - Questions from the floor
 C. Feedlot - Junior Ballroom. Chairman: Dr. A. S. Abdullah, Dalhart, Texas

1:30 P.M. - 2:30 P.M. "Economic Feasibility of the Practitioner in Cattle Operations": Dr. John Goodwin, Oklahoma State University, Stillwater, Oklahoma
 2:30 P.M. - 4:30 P.M. Panel Discussion of above subject. Moderator: Dr. A. S. Abdullah, Dalhart, Texas
 2:30 P.M. - 2:45 P.M. Dr. Duane Flack, Greeley, Colorado
 2:45 P.M. - 3:00 P.M. Dr. Homer Caley, Manhattan, Kansas
 3:00 P.M. - 3:15 P.M. Dr. Dallas Horton, Fort Collins, Colorado
 3:15 P.M. - 3:30 P.M. Dr. John Goodwin, Stillwater, Oklahoma
 3:30 P.M. - 4:30 P.M. Questions and Answers

Post Convention Seminar

December 6-8, 1973

Mountain Haus Hotel

Vail, Colorado

Pre-registration fee: \$30.00 (Conference Room)
 Chairman: Dr. R. V. Jessup, Pacoima, California
 Theme: The Economics of the Cattle Industry and the Practitioner

September 6, 1973

5:00 P.M. - 6:30 P.M. Bovine Animal Medicine Approach - Dr. Dallas Horton, Fort Collins, Colorado

September 7, 1973

5:00 P.M. - 6:30 P.M. "Accounting and Taxes Approach": Dr. Russell T. Swendseid, Los Angeles, California

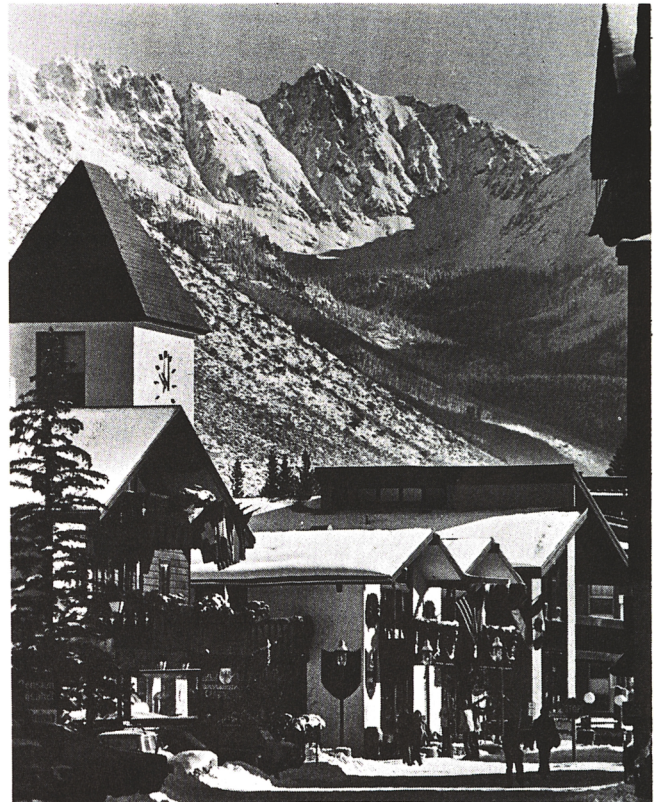
September 8, 1973

5:00 P.M. - 6:30 P.M. "Overseas Cattle Industry Approach": Dr. Cleon Kimberling, Fort Collins, Colorado

You must pre-register for rooms by November 3, 1973. After that date there will be no guarantee rooms will be available at the headquarters hotel.

AABP welcomes you to the luxury of the Mountain Haus at Vail, where you have all the convenience of a full service hotel combined with the unique personality of separate condominium apartment units. The Mountain Haus offers you fully equipped apartments with complete kitchens, spacious living and dining areas, and comfortable master bedrooms. Each unit has a fireplace and a terrace that provides magnificent views of the town and mountains from the privacy of your own condominium.

The Mountain Haus is located right in the center of town, making it the ideal base for all activities for which Vail has long been famous. Here is old-world atmosphere yet it's all new, with a nine-year superlative record of performance as one of the most sought-out resorts in America. This is



not only true of home-grown visitors, but it's surprisingly true with Europeans on vacation. Where do Europeans ski in America? Why, at Vail, of course. This little multi-million dollar village is one of the most cosmopolitan communities in the entire country. But does it attract *big* crowds? Last year there were an amazing 460,000 skier days at Vail.

Nestled on the north bank of Gore Creek just past the quaint Covered Bridge, the Mountain Haus offers some of Vail's most spectacular views of the town and surrounding mountains. You will see the Rockies as never before! And, you will be just a step away from the many fine restaurants, shops, and services within the town.

The Mountain Haus maintains the most complete convention service in Vail, with a full-time

service staff to take care of your every need. AABP post-convention needs will be fulfilled in a comfortable, relaxed setting conducive to learning and communication. The seminar will be held in the convention room on the ground floor Thursday, Friday and Saturday evenings (December 6 - 8) from 5:00 p.m. to 6:30 p.m.

Accommodations and Prices

As noted above, each group of four or six will have a fully-equipped kitchen for snacks or a full dinner. In addition, they will have a lounge or a living area with a fireplace to enjoy.

If you are a family of four or six, or two or

three couples, or four or six singles, the accommodations are perfect. However, if you are a single or a couple and state no preference of others you want to share the apartment with, then you will be assigned to a group. All rates are the same for adults—\$18.00 per night.

All reservations for Vail must be sent by November 1, 1973. We are limiting the attendance to 100 persons, so please respond at the earliest possible date so your request may be fulfilled. Send reservations plus deposit check (equivalent to one night's stay) to: The Mountain Haus, P.O. Box 1748, Vail, Colorado 81657.

A Message from the Ladies' Program Chairman...

Ladies, welcome to Fort Worth, Texas—Where the West Begins. Have we got a program for you!

Since early last year, the Fort Worth and Tarrant County Veterinary Auxiliary and I have been working to get a Giant-Sized program lined up so that you can go away from Fort Worth with a Texas-Sized convention under your belts.

It is most appropriate that the bovine practitioners chose Fort Worth as their convention site this year. This is Fort Worth's Centennial and we

have been celebrating all year long. Since we are called "Cowtown," what a year for the bovine practitioners to come to see us!

We are looking forward to seeing you all in December. Come prepared for good food, good entertainment, good shopping and good fellowship, for as I said in the beginning — HAVE WE GOT A PROGRAM FOR YOU!

Shirley F. Skidmore
Chairman, Ladies Program

Ladies Activities - 6th Annual Convention

December 2 (Sunday)

9:30 A.M. - 5:00 P.M. — Registration free but you must purchase tickets for luncheons, barbecue and tours.

December 3 (Monday)

Choose one of the following tours:

7:30 A.M. - 2:00 P.M. — 1. Van Roach Cattle Co. and Bunker Hunt's Charolais Ranch — Lunch included.

9:00 A.M. - 2:00 P.M. — 2. Lion Country Safari — Lunch included.

P.M. — Shopping in Fort Worth.

5:30 P.M. - 6:30 P.M. — Cash bar in exhibit area with Texas hors d'oeuvres.

December 4 (Tuesday)

7:30 A.M. - 8:30 A.M. — Free continental breakfast — exhibit area.

8:30 A.M. — Opening ceremony — Grand Ballrooms 1 and 2.

Dr. George Shelton — Texas A&M University
Dr. John F. Quinn — AVMA President

9:30 A.M. - 4:00 P.M. — All-day trip to Dallas and Neiman Marcus.

10:30 A.M. — Coffee and Milk Break with husbands — exhibit area.

12:30 A.M. — Luncheon — Crystal Ballroom (for those who stay in Fort Worth).

6:00 P.M. - 7:00 P.M. — Cash bar and social hour.

7:00 P.M. — Barbecue by Jettons and Texas Country Music — Grand Ballrooms 1 and 2.

December 5 (Wednesday)

7:30 A.M. - 8:30 A.M. — Continental breakfast — exhibit area.

8:30 A.M. - 12:00 Noon — Shop or tour Fort Worth.

10:30 A.M. — Coffee and Milk Break with husbands — exhibit area.

12:00 Noon — Luncheon — Crystal Ballroom — Speaker: Hon. Jerry Litton, Chillicothe, Missouri.

**December 6, 7 & 8 (Thurs., Fri., & Sat.)
Post-Convention Seminar — Vail, Colorado**

New BAYMIX[®]

Cattle Wormers let you sell your milk... while you worm

BAYMIX Crumbles, the **only** top-dress dairy wormer that lets you sell milk while you are worming, is now available as a pre-mix for formulated feeds. It's the handiest, simplest, most labor-saving way to clean up 5 kinds of profit-robbing round worms that can lower disease resistance, lower body condition.

The only work you do to worm all animals in your herd over 3 months of age, is pick up the phone and ask your feed dealer to add BAYMIX Premix to your regular milking ration. No rounding up cattle. **No more dumping milk while cows are being wormed!** Compared to the cost of discarded milk when using other wormers, the dollars you save will more than pay for the cost of adding BAYMIX Premix to your feed.

Adding BAYMIX Premix to your regular ration doesn't knock cows off-feed while they are being wormed. The six-day feeding period makes sure that each cow gets enough BAYMIX for effective worming. You even worm animals that might be off-feed on the day that a one-shot wormer is administered. This prevents a cow from

"slipping by" and possibly re-infecting the herd. And you don't have to dump the milk for several days after treatment.

Add it all up: The extra days you get to sell milk. The extra production you get from a clean herd. The extra condition of cows going dry.

BAYMIX Premix added to your regular ration is the answer to worming every time!

Ask your feed dealer about money-making advantages of adding BAYMIX Premix to your dairy ration.

BAYMIX Crumbles

For dairymen who do not have automatic feeding equipment or prefer to top dress, there's BAYMIX Crumbles. Crumbles also gives you flexibility in worming dry cows and young stock. And Crumbles have an alfalfa base that cattle love, assuring every-animal consumption for effective worming.

It's a known fact that good management and sanitation alone can't control worms. They have been found in 90% of the herds in all areas of the country.

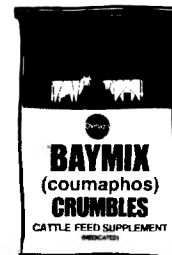
Evidence of the results of BAYMIX

Crumbles are found in recent tests in seven states involving 1879 cows. Milk production from wormed cows was 2.66 pounds more per head per day over non-wormed cows during the test periods.

Milking Cows, Dry Cows, Replacements — they all do better when you worm them with BAYMIX...

73219

THE MILKY WAY!



Animal Health Department
Chemagro Division of Baychem Corporation
Box 2037, Shawnee Mission, Kansas 66201

A Message From The Program Chairman...

The enthusiastic local committees for this year's convention are anxious to show the practitioners from across the North American continent and our distinguished guests that Texas hospitality is "biggest of all" if "you-all will come see us" in December! The pre-convention activities are many and varied to suit everyone, including the ladies.

The program will not only emphasize the future of bovine practice but contains plenty of present-day information that the practitioner can use at once. The goal of the program committee is to assist the bovine practitioner with pertinent infor-

mation in planning his future type of practice.

The post-convention seminar at Vail, Colorado, will emphasize economics. You can thoroughly enjoy the mountain resort with or without skiing.

All the committees, the Board of Directors, and officers urge you to attend another "record-breaking" AABP meeting. Please mail your reservation and registration at once so that you will have the seminar or hotel room of your choice.

Welcome to Fort Worth!

L. Mac Cropsey, D.V.M.

Guest Speakers



Dr. John F. Quinn



Professor D. C. Blood

Dr. John F. Quinn is president of the AVMA, State Veterinarian and chief of the Michigan Department of Agriculture's Animal Health Division. A native of Michigan, Dr. Quinn received his D.V.M. degree from M.S.U. in 1943. Following four years in private practice, he joined the Michigan Department of Agriculture and in 1955 became head of the Enforcement Section of the Animal Health Division and chief of the division in 1959. Dr. Quinn served as president of the Michigan VMA and the U.S. Animal Health Association in 1967-68. The Animal Welfare Institute awarded Dr. Quinn the Albert Schweitzer Medal in 1968 and in 1970 he received the Michigan VMA Service Award. Dr. Quinn and his wife Arlis live with their six children in Portland.

Professor D. C. Blood, Head, Department of Veterinary Clinical Sciences, School of Veterinary Science, University of Melbourne, was born in England in 1920. He migrated to Australia in 1926, and received his veterinary education from the University of Sydney 1937-42. He was in the Australian army from 1942-45. From 1945-57 he was a lecturer at the University of Sydney Veterinary School, and from 1949-50 took a sabbatical leave to attend Cornell University. He was a professor at the Ontario Veterinary College in Guelph, Canada, from 1957-62, and a professor at the University of Melbourne in Australia from 1962 to the present time. He is also co-editor of "Veterinary Medicine" by D. C. Blood and J. A. Henderson.



Dr. Francis J. Mulhern

Dr. Francis J. Mulhern is the administrator of the Animal and Plant Health Inspection Service and present chairman, USDA Advisory Committee on hog cholera eradication. A native of Wilmington, Delaware, he received his D.V.M. degree from Alabama Polytechnic Institute (now Auburn University). He joined the U.S. Department of Agriculture and in 1947-52 was assigned to the Mexico-U.S. foot-and-mouth disease eradication program in Mexico. Dr. Mulhern has also held assignments in Canada and Arizona. In 1959 he became assistant director, Animal Disease Eradication Division, ARS, USDA, and director in 1961. In 1971, Dr. Mulhern was designated administrator, Animal and Plant Health Service.

Dr. Mulhern received the Albert Schweitzer Award in 1967 for his part in the implementation of law to promote humane treatment of animals to be used for research and in 1969 he received the Livestock Conservation, Inc., annual award for vision, dedication and leadership in the organized efforts to improve the health of the nation's livestock. Dr. Mulhern has served on numerous national and international committees.



Dr. L. S. Pope

Dr. L. S. Pope is the Associate Dean for Administrative Affairs in the College of Agriculture, Texas A&M University, College Station, Texas.

Born in Idaho, he was brought up on a farm in southern Michigan. He served with the U.S. Air Force from 1943-45 and then returned to complete his degree in animal husbandry at Michigan State University. Dr. Pope joined the Oklahoma State University Animal Husbandry Department in 1949 and received his M.S. in animal nutrition. He earned his Ph.D. from O.S.U. in the same field in 1952. His research has been principally in the field of beef cattle nutrition and management. In 1960 Dr. Pope spent six weeks in Argentina as an advisor on beef cattle feeding and management for the U.S. International Cooperation Administration. He was appointed head of the Department of Animal Science at Oklahoma State University in 1963 and assumed his present position in 1968. Dr. Pope is a member of the American Society of Animal Science, Sigma Xi, and in 1972 he was presented the Merit of Honor Award by the American Polled Hereford Association for his research accomplishments and honored as a Fellow in the American Society of Animal Science.

Dr. Pope is a brilliant speaker and a nationally recognized authority on beef cattle production. He is known as agriculture's "ambassador of good will."



Wednesday Noon Luncheon Speaker

Congressman Jerry Litton

Jerry Litton, 35, (D-Mo.) was elected November 1972 to represent the 6th District of Missouri in the 93rd Congress of the United States. Litton, a farmer and businessman, had been active in politics, but this was his first bid for public office. He holds the seat vacated by retiring Congressman W. R. (Bill) Hull.

Congressman Litton was born in a three-room house in Lock Springs, Missouri, on May 12, 1937. He is a 1961 graduate of the University of Missouri with a BS in agriculture journalism and a minor in economics. While in high school and college, he worked part-time as a radio newscaster and newspaper farm editor.

He took a course in public speaking in high

school to overcome his shyness. By the time he was 19, he was giving high school commencement addresses and speaking at major conventions throughout the country. He was elected state president and later national secretary of the Future Farmers of America.

In college, he was the youngest ever elected president of his fraternity, was named to Who's Who in American Colleges and Universities, and received numerous leadership and scholarship honoraries. He was the youngest to be elected president of Performance Registry International (a world-wide cattle organization), the youngest and in the first group of 12 alumni selected for recognition by the University of Missouri, the youngest to receive the Citation of Merit from the Missouri College of Agriculture, the youngest named to the Governor's Advisory Council on Agriculture and the youngest named to the Missouri State Council on Education. He was elected vice-president of the University of Missouri student body when only a sophomore.

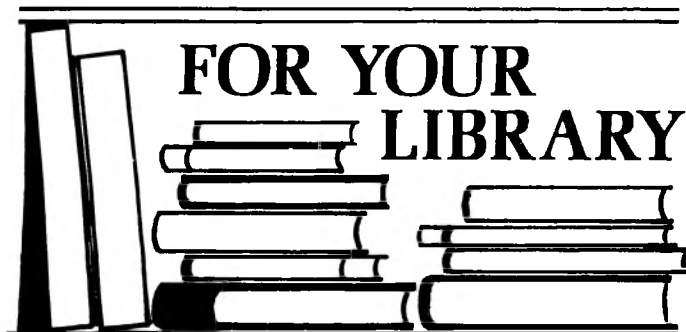
Litton and his father own and operate the

500-acre Litton Charolais Ranch near Chillicothe, Missouri. Their ranch and modern livestock techniques have attracted world-wide attention. The operation they started on a shoestring now sells Charolais purebred breeding stock throughout the world. As a result of his agriculture background, Litton was named to the important House Agriculture Committee as a freshman Congressman.

Although serving his first term in public office, Litton has been active in politics since first serving as president of the University of Missouri Young Democrats, state director of the Youth for Kennedy for President, twice state youth director for Symington for Senator, the national committee for the Rural Americans for Johnson, Sixth District Finance Chairman for Symington for Senate and national director of the Youth for Symington when he made his bid for the Presidency in 1960.

Litton and his wife, the former Sharon Summerville, have two children, Linda and Scott, ages 10 and 9.

(Cont. on page 96)



Proceedings: 5th Annual Convention, American Association of Bovine Practitioners, December 1972, Milwaukee, Wisconsin. Available at \$15.00 per copy (including mail) from the AABP Secretary.

Bovine Mastitis

Detection, Prevention and Control

By O. W. Shalm, D.V.M., Ph.D.; E. J. Carroll, B.S., M.S., Ph.D; and N. C. Jain, B.V.Sc and A.H., M.V.Sc, Ph.D; ix plus 360 pages; 194 illustrations (1971) \$16.50, Lea and Febiger, Philadelphia, Pa.

Diseases of Feedlot Cattle

By Rue Jensen, D.V.M., Ph.D.; and Donald R. Mackey, D.V.M.; vii plus 377 pages; 191 illustrations 2nd edition 1971, \$18.50, Lea and Febiger, Philadelphia, Pa.

Members' Information Supplement The First Hundred

The British Veterinary Association, 7 Mansfield St., London, W1M 0AT, ENGLAND, £5.50 (\$13.50 approx.) per set.

A technical publication for the veterinary and allied professions previously issued to members of the Association covering a wide range of topics including farm management, nutrition, immunology, prevention and treatment of diseases, techniques for practice laboratories and results of recent research.

All Creatures Great and Small

By James Herriot (St. Martin's Press, 175 Fifth Avenue, New York, N. Y. 10010) \$7.95

This delightful book was written by a practicing veterinarian who grew up in "the big city" in Scotland but is engaged in large animal practice in the rugged countryside of Yorkshire, England.

Every chapter is full of humor, pathos or both!; the author's keen awareness of the wild beauty of the countryside and the inevitable reference to the "eligible farmer's daughter!" There is a wealth of information on the practice of veterinary medicine and client psychology. A wonderful gift for any occasion (E.I.W.)

Vetisulid[®] (Sulfachlorpyridazine) gives them a chance



Rapid absorption... rapid excretion

Baby calves have a chance when you use Vetisulid to fight *E. coli* organisms that attack these young animals.

In addition to the 90%-plus effectiveness of Vetisulid *in vitro* against *E. coli*, Vetisulid acts rapidly. And once it has acted, it is rapidly excreted. Effective and out. That's Vetisulid.

In calves, Vetisulid reaches maximum blood level concentrations in one to three hours following administration. Rapid excretion occurs within 18 hours after intravenous administration. Vetisulid is readily soluble at normal urine pH, so free and acetylated crystallization is unlikely.

Bile concentrations in laboratory animals are high; liver and kidney concentrations closely parallel that of the

blood, demonstrating excellent tissue penetrating power of Vetisulid.

Vetisulid is available in three forms for calves: Injection (100 ml. and 250 ml. vials); Powder (5.4 g. packets and 54 g. bottles); Boluses (packages of 40 two-gram boluses).

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FORT WORTH, TEXAS

*Best
"Where the West Begins"*



Metropolitan FORT WORTH, population 760,000, is the mercantile, commercial, entertainment and industrial headquarters for much of West Texas. From its colorful history, the city is literally "Where the West Begins," and today it is an integral partner in the giant Fort Worth/Dallas Metropolitan Area—now known as the Southwest Metroplex.

While Fort Worth is metropolitan in all respects it has maintained the relaxed pace of easy Western living and hospitality. Located on the banks of the Trinity River, it boasts a highly diversified economy including manufacturing, convention/visitor industry, agribusiness and wholesale distribution. A major center for higher education, the seven colleges and universities here have an enrollment in excess of 36,000. There are 19 other colleges and universities within a 50-mile radius with an enrollment total of more than 68,000.

WHERE THE WEST BEGINS was the designation for Fort Worth when founded as a military outpost in 1849. Prior to that time, Sam Houston, first president of the Republic of Texas, came with a peace mission to Tarrant County in 1843. Encamped near Fort Worth, all the Indian leaders in the region, except the Comanche, made a treaty to remain west of a line traced through the present site of Fort Worth.

General Wm. J. Worth ordered a detachment to establish a post in 1849 and Camp Worth was created as the first permanent settlement on a bluff overlooking the Trinity. It was named for the general and later became known as Fort Worth. Frequent famous military visitors in Fort Worth's early history were Colonel Robert E. Lee and Major Albert Sidney Johnston, who later niched out their place in history. Cynthia Ann Parker, just recaptured from the Comanches, was brought to Fort Worth.

With the beginning of the great cattle drives from Texas to the railhead in Kansas, Fort Worth was a major stop on the main route of the famed Chisholm Trail. Herds camped nearby and cowboys galloped in, firing pistols and even riding their horses into the saloons. With the coming of the railroads to Texas, Fort Worth became and remains a major rail center . . . and with the rails came the modern boom days.

THREE NATIONALLY-FAMED EVENTS are focused in Fort Worth, with arts, cultural, entertainment and sports events popular and prevalent throughout the year. The Southwestern Exposition & Fat Stock Show (and indoor rodeo) is the oldest and most prestigious event of its type in America and is held each January, as it has been since 1893.

In 1968, the nationally televised Miss Teenage America Pageant chose Fort Worth and the new Tarrant County Convention Center for its permanent home. Held in November, this live color telecast is viewed by some 50 million people each year.

A new form of sports entertainment came to Metro Fort Worth in 1972 when the Texas Ranger Baseball Club moved into Arlington Stadium and joined the race for the American League pennant. Completely professional, collegiate and schoolboy sports; orchestra, symphony, ballet and theatre round out the year for the citizen and visitor alike.

FORT WORTH'S 700 CHURCHES AND SYNAGOGUES, representing 45 denominations, contribute vitally to the lives of city residents. Excellent interfaith cooperation and service have done much to establish and maintain Fort Worth's smooth-running community life. Fort Worth also has two of the Southwest's leading theological seminaries: Brite Divinity School of Texas

Christian University and Southwestern Baptist Theological Seminary.

Fort Worth's Public Library has more than 690,000 volumes plus 675,000 government publications. It also operates five bookmobiles and seven branch libraries, each containing 7,000 square feet and 15,000 volumes.

TEMPERATE CLIMATE accurately defines Fort Worth's weather conditions, with periods of extreme hot and cold weather occurring only rarely. Fort Worth is in the extreme north portion of the subtropical region that extends northward from the Gulf of Mexico. Snowfall is not important as a source of moisture, a measurable fall occurring on the average of only once a year. The average daily temperature in the spring is 65 degrees; in summer, 84 degrees; in fall, 66 degrees; and in winter, 47 degrees.

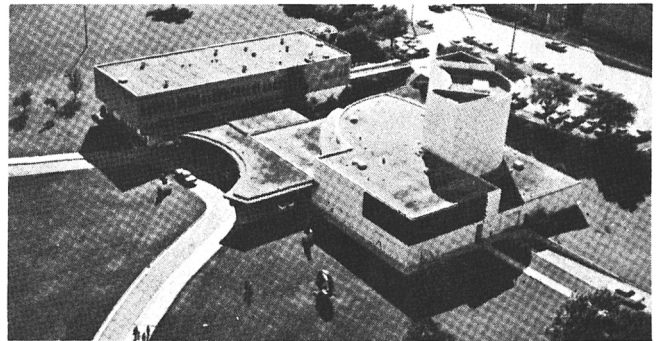
DIVERSIFIED MANUFACTURING has built the economy of Fort Worth's region. While agriculture-oriented industries of yesteryear are still going strong with major livestock marketing, and agribusiness-related industry and services; aerospace plants, food and beverage processing, mobile home manufacturing, auto manufacturing and medical service industries join to offer more than 70,000 manufacturing jobs in Fort Worth with 1,200 industrial plants in production. The ratio of manufacturing employment to total employment is higher here than any other major city in Texas, and greater than 11 other states' total manufacturing employment!

Fort Worth's future is tied to its "ocean in the sky," and together with Dallas, the two cities are building the most modern supersonic jet airport in the world. The Dallas/Fort Worth Regional Airport is under construction on an 18,000 acre site between the two cities—opening date: Early 1973. It will cost approximately \$1 billion when all construction is completed and will eventually employ more than 40,000 people. Big? On opening, it will be the world's largest. It's nine miles long and eight miles across at the widest point. Imagine, an airport larger than the island of Manhattan!

Fort Worth is unique in every aspect. A city whose skyline juts proudly into the clean, blue skies of North Texas. A city whose skyline reflects its people's dedication to progress, but a city whose people take time to say things like "good morning," "may I help you?" and "welcome to our city—FORT WORTH."



TEXAS CHRISTIAN UNIVERSITY is the fourth oldest in Texas. It is the largest of some 40 educational institutions related to the Christian Churches (Disciples of Christ). T.C.U. is comprised of eight schools and colleges and offers twenty-two degrees.



FORT WORTH ART CENTER, Art Museum and William Edrington Scott Theatre, share one building. The theatre is home for the Community Theatre and Actor's Repertory, September through June. The art museum is open 10:00 a.m. to 5:00 p.m. Tuesday through Saturday, 1:00 p.m. to 5:00 p.m. Sunday.

YOUR ATTENTION PLEASE!

An extremely important item has been added to the Convention Program.

Research scientists at the University of Pennsylvania have developed an effective diagnostic test for bovine leukemia virus.

This test will be discussed on Tuesday, December 4, immediately following the keynote address. The title of the presentation is "A Diagnostic Test for Infection with the Putative Bovine Leukemia Virus" — Jorge Ferrer, D. A. Abt and R. R. Marshak.



CONVENTION HQ

the Sheraton- Fort Worth Hotel

Conveniently located in the heart of downtown Fort Worth at 8th and Main Streets, the Sheraton-Fort Worth Hotel is within easy walking distance of excellent shopping facilities. It is within twenty-five minutes of the new Regional Airport and only a few blocks from the local Amtrak station.

Professional Convention Planning and Service

A full-time professional convention coordinator gives her undivided attention and assistance so as to easily meld the many available facilities and services into a well-knit machine.

Meeting and Banquet Facilities

Twenty meeting and banquet rooms are available at the Sheraton-Fort Worth, ranging from the

Directors Room, seating 40 people, to the largest hotel ballroom in Texas, seating 2800 people. A total of over 40,000 sq. ft. of space assures the most versatile hotel convention facilities available in the Southwest.

Exhibits

Nineteen thousand sq. ft. of unobstructed exhibit space is available in the Grand Ballroom alone, which is serviced by an automobile lift which opens directly into the room.

Restaurants

The large Pavilion Coffee House and new 6666 Dining Room and Lounge provide a wide range of pleasurable dining.

Bedrooms

Four hundred seventy-five ultra-modern guest rooms, including 28 suites, are available.

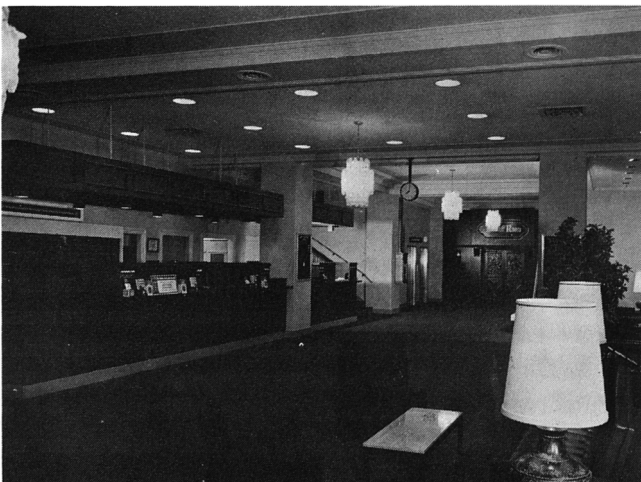
Swimming Pools

High over Fort Worth, the Sheraton-Fort Worth pool and sun deck are found in the new annex building, which is connected to the main building by an air-conditioned walkway at the mezzanine level.

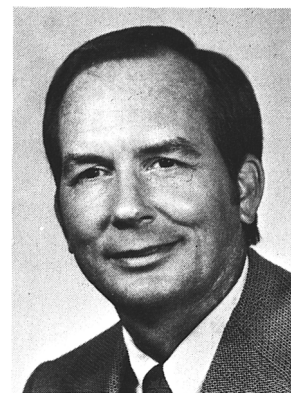
Parking

Drive right into the hotel via the auto entrance! In-hotel parking is most convenient, especially in the event of inclement weather. The current charge for automobile storage is two dollars per day, dead storage.

The address is 815 Main Street, Fort Worth, Texas 76102. Telephone (817) 332-3151.



A Message from the Local Activities Chairman



Welcome to Fort Worth

On behalf of the veterinarians of Fort Worth, Tarrant County and the glorious State of Texas, I am proud to welcome the American Association of Bovine Practitioners to Texas. It is fitting that Fort Worth has been chosen as the site of the Bovine Practitioners Convention in Texas, as "Cowtown" has long been synonymous with Fort Worth. The history and heritage of Fort Worth is closely related to the cattle industry. Fort Worth has been one of the major cattle markets for a century, and the Southwestern Livestock Exposition at Fort Worth is one of the major cattle shows in the country.

To help you get acquainted with some of the area, two very interesting tours have been arranged: Tour No. 1 will visit Vann-Roach Cattle Company and N. B. Hunt Ranch at Roanoke and Terrell, Texas. Tour No. 2 will visit Lion Country Safari and Dallas-Ft. Worth Regional Airport.

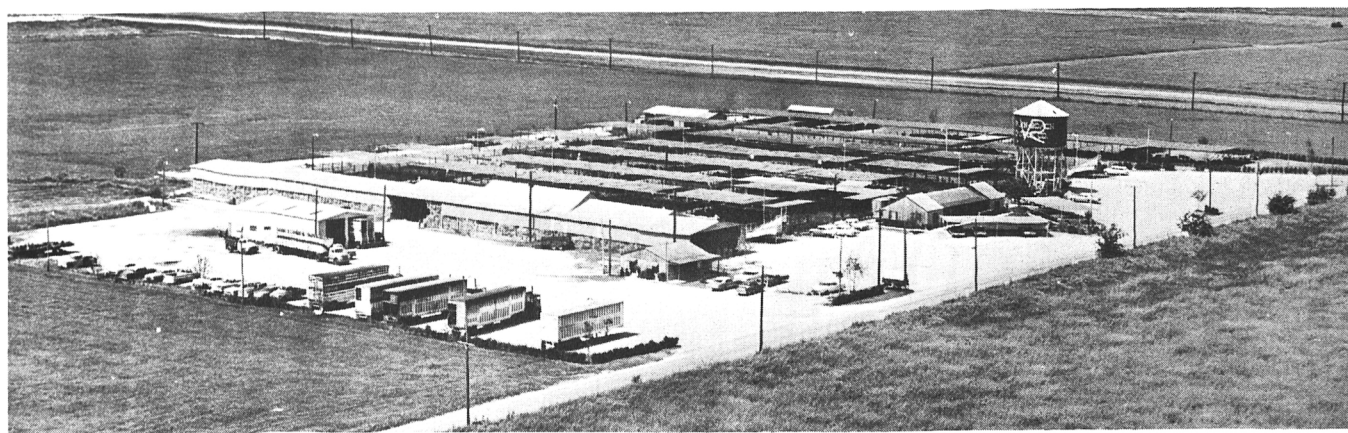
See you in December.

Eugene T. Skidmore, D.V.M.
Chairman, Local Activities

Convention Tours

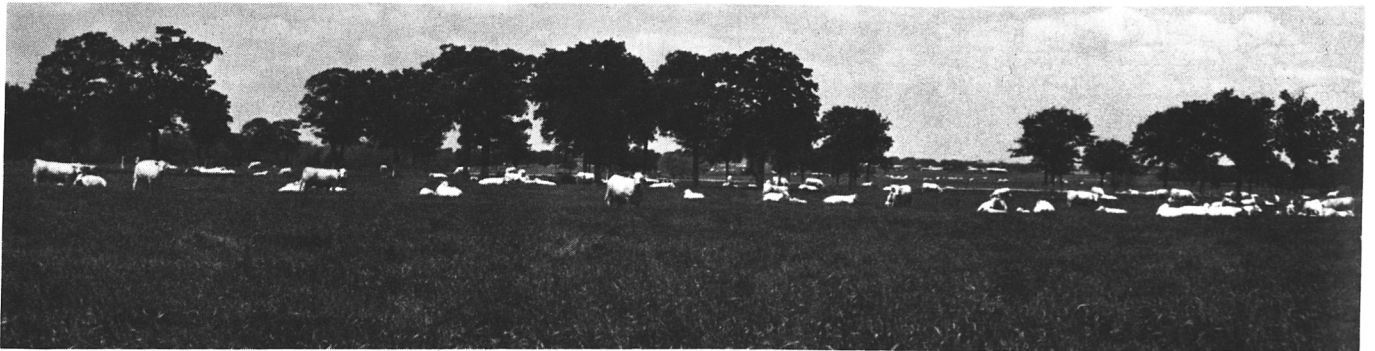
Tour 1: Van-Roach Cattle Company, Roanoke, Texas, and the N. B. Hunt Ranch, Terrell, Texas.

Vann-Roach is an Order Buyer. The facilities for processing their calves are second to none. Their cattle handling equipment is hydraulically operated, designed by Vann-Roach and built on their premises by their crews. This company handles between 350,000 and 375,000 head of cattle annually. All their accounting is done on their own computers which are also housed in their stockyard.



N. B. Hunt has long been a leader in the Charolais cattle business as well as commercial cattle and thoroughbred horses. Both ranches could be called "model" ranches. The Hunt Ranches are in the cattle business in a big way. In April of 1971 they had their first four-day sale and sold over \$4 million worth of cattle. In 1973 their four-day sale again grossed \$4 million.

The top photo was taken during a sale day. The striped tent near the pens houses the sale ring while the one in the right foreground houses the "full French" cattle. The tent in the center foreground is for the barbeque. The second photo is a pasture scene at the Hunt Ranch. Tour Guide: Dr. Dick Shepherd.



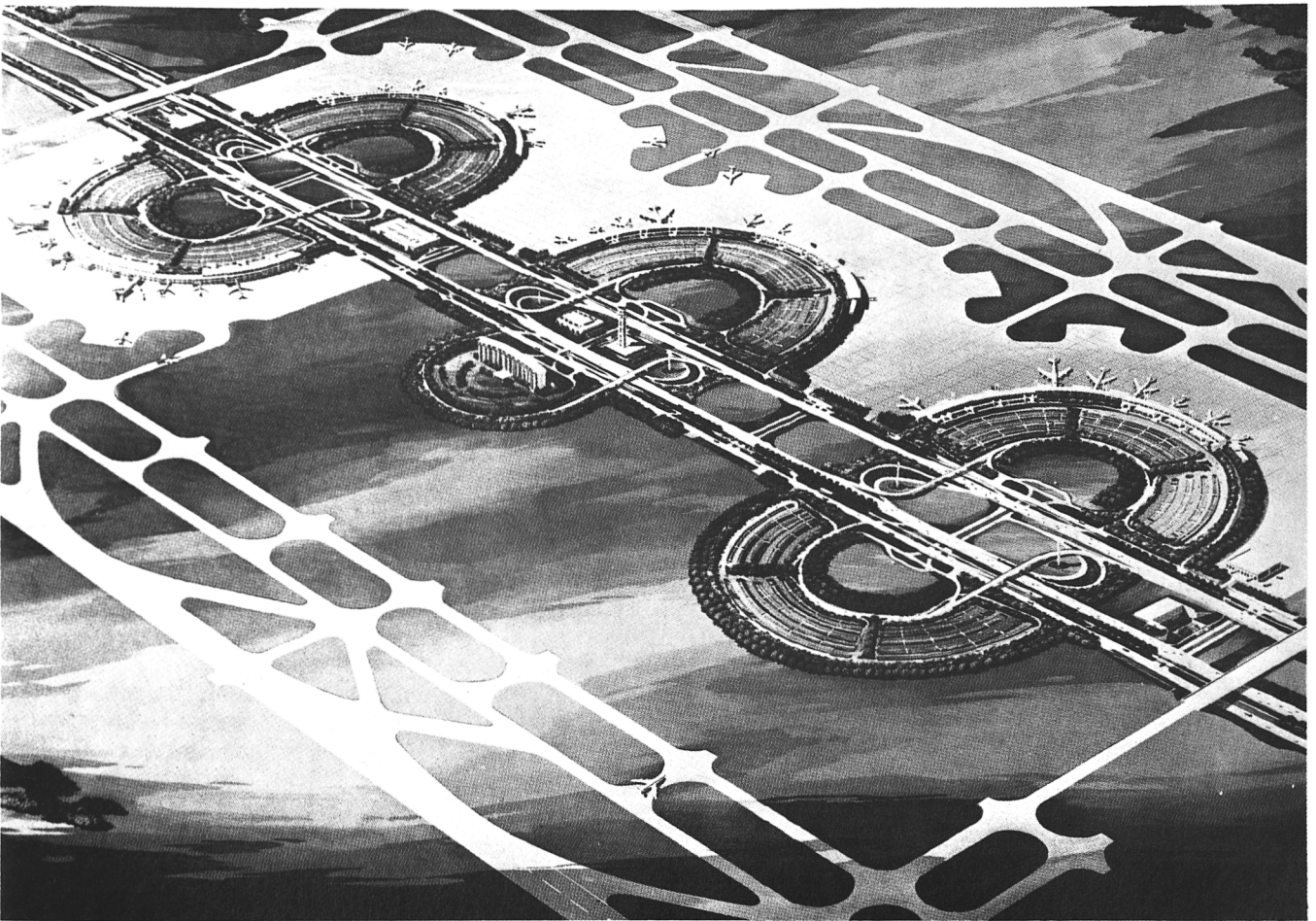
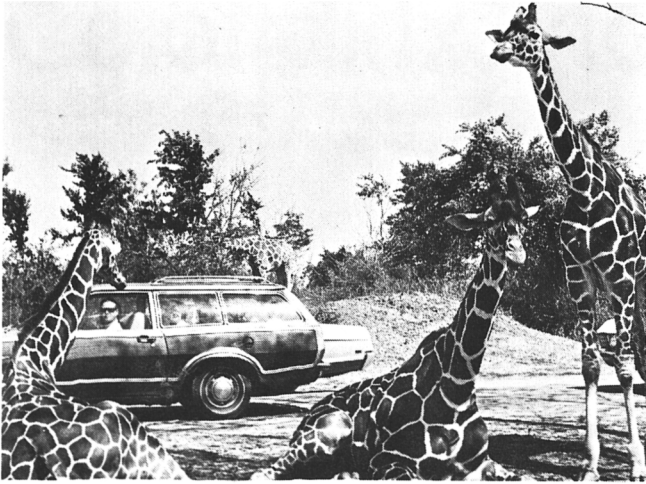
Tour 2: Lion Country Safari and the Dallas/Fort Worth Airport

This African wildlife preserve is situated off the Dallas-Fort Worth Turnpike in Grand Prairie, Texas. The stars of "Africa transplanted to America" are the free-roaming animals themselves. The tour will offer new dimensions to human appreciation of untamed animals in their natural environment. Opened in 1972, Lion Country's theme is designed towards putting visitors within "eyeball-to-eyeball" distance of hundreds of wild African animals in a 485-acre wildlife preserve and amusement park.

The new Dallas/Fort Worth Airport ("First of the Jumbo Jet Air Hubs") was opened in October, 1973, and represents numerous breakthroughs in design and construction which make it the most advanced airport in the world. DFW is the first airport to be constructed after the development of a master plan providing for the demands of aviation to the year 2000 and beyond. Larger than Manhattan Island, New York City, DFW is twice as



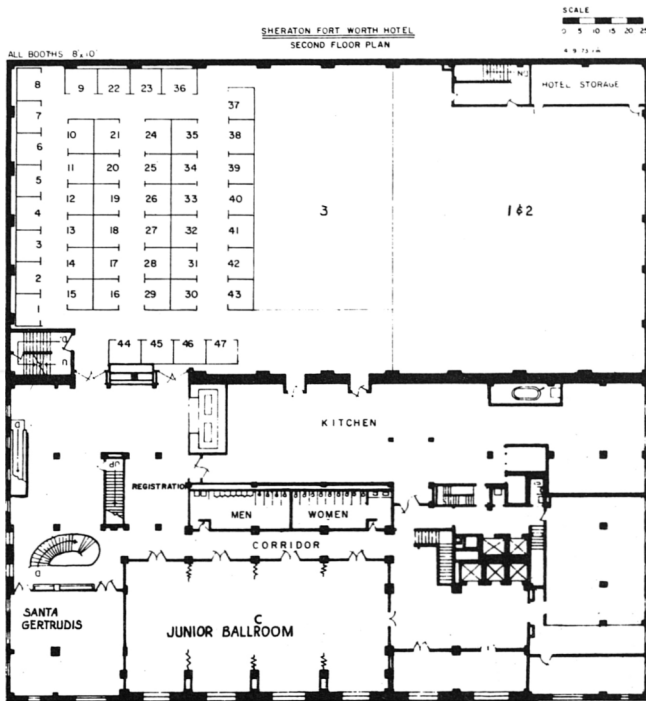
big as Chicago's O'Hare airport. It encompasses over 17,500 acres and is located halfway between Dallas and Fort Worth. The airport's construction was funded by joint revenue bonds of the eight airlines that DFW initially serves. It is estimated that the annual enplaned passengers will be eight million in 1980 and about 12 million in 1985. Initially, four "half loop" terminal buildings and three commercial runways will be in operation.



**DALLAS/FORT WORTH AIRPORT
OPENING PHASE 1973**

AABP Convention Exhibitors

AMERICAN SOCIETY OF BOVINE PRACTITIONERS
DECEMBER 3-5, 1973



Samuel Hutchins, III, D.V.M., Chairman, Exhibits Committee, and Re-elected Director, District I.

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