

# 11th Annual Conference

American Association of Bovine Practitioners  
December 10-14, 1978

Baltimore, Maryland

## SEMINARS

### Seminar I - Production of Quality Milk

December 8, 9, 10 *Edgar Allen Poe Room  
Hilton Hotel*

Begins 8:00 a.m.

Production of Quality Milk: Arranged by American Association of Bovine Practitioners

Chairman: Dr. James Jarrett

Sanitation, Milking Techniques, Dry Cow Management - Dr. John Woods

Milking Machine Function and Testing - Dr. James Jarrett

Bacteriology-Culturing Procedure and Laboratory Techniques - Dr. Nelson Philpot

Quality Milk Production; Off Flavors; Ropy Milk; Bacteria Count - George Perlmutter

Farm Trip to Check Milking Equipment

Pre-registration required

Registration fee \$300.00

Limited to first 20 registrants

### Seminar II - Applied Dairy and Beef Nutrition

(Dairy and beef sessions will be combined for the Saturday afternoon session but will meet separately thereafter.)

Saturday, Dec. 9, 1978 *Ballroom*

P.M. Session - Gen. Nutrition *Hilton Hotel*

1:00 a.m. Physiology of Digestion: Non-ruminant Calf - Dr. Neal Jorgensen

1:45 p.m. Physiology of Digestion: Ruminant - Dr. Lon Lewis

2:30 p.m. Discussion - Staff, Audience

2:45 p.m. BREAK

3:00 p.m. Energy - Terminology - TDN, GE, DE, ME, NE - Dr. Don Bath

3:30 p.m. Nitrogen - Terminology - Nitrogen, Protein, Non-protein Nitrogen, Protein Solubility, Protein Degradation, and Digestibility - Dr. Mike Hutjens

4:00 p.m. Mineral and Vitamins - Sources and Evaluation - Dr. Neal Jorgensen

5:00 p.m. Discussion - Staff, Audience

Sunday, Dec. 10, 1978 *Ballroom*

A.M. Session - Dairy Nutrition *Hilton Hotel*

9:00 a.m. Requirements of a Good Feeding Program - Dr. James Crowley

Intake

Rumen motility

Rumen end-products

Utilization and end-products

9:45 a.m. Meeting Requirements for Minerals and Vitamins During the Lactation Cycle. Methods of Feeding Minerals and Vitamins - Dr. Mike Hutjens

10:30 a.m. BREAK

10:45 a.m. Balancing the Ration to Meet Protein Requirements During the Lactation Cycle - Dr. James Crowley

11:30 a.m. Discussion - Staff, Audience

11:45 a.m. LUNCH

P.M. Session *Ballroom - Hilton Hotel*

1:15 p.m. Balancing the Ration to Meet Energy Re-

quirements During the Lactation Cycle - Dr. Don Bath

2:15 p.m. Problem of Low Fat Milk - Dr. Mike Hutjens

3:00 p.m. Discussion - Energy Metabolism and Related Problems - Staff, Audience

3:15 p.m. BREAK

3:30 p.m. Role of Feeding as Related to Metabolic Disorders and Reproduction - Dr. James Crowley, Dr. Neal Jorgensen

Fat Cow Syndrome; Milk Fever; Displaced Abomasum; Ketosis; Retained Placenta; Breeding Efficiency.

5:00 p.m. Discussion - Staff, Audience

7:15 p.m. Computer Programs - Workshop - Dairy - Dr. Ben Norman

Monday, Dec. 11, 1978

*Ballroom*

A.M. Session

*Hilton Hotel*

8:00 a.m. Feeding Systems and Methods for the Lactating Herd - Dr. Don Bath

Individual Feeding; Group Feeding; Complete Rations.

8:45 a.m. Calf Feeding and Management: Birth to Two Months of Age - Dr. Neal Jorgensen

9:30 a.m. Discussion - Staff, Audience

9:45 a.m. BREAK

10:00 a.m. Feeding Systems for Replacement Heifers - Balancing Rations for Heifers - Dr. James Crowley

10:45 a.m. Trouble Shooting: Workshop - Dr. Don Bath

11:45 a.m. Discussion - Staff, Audience

12:00 Noon LUNCH

P.M. Session

*Ballroom - Hilton Hotel*

1:15 p.m. Ration Balancing: Workshop - Dr. Mike Hutjens, Dr. Neal Jorgensen, Staff (Bring your small calculators)

3:15 p.m. BREAK

3:30 p.m. A Veterinarian's Approach to Nutrition Consultation - Dr. Richard Card

### Beef Nutrition Seminar

Sunday *Ballroom - Hilton Hotel*

8:00 a.m. Protein Requirements for Beef Cattle - Dr. M. Geasler

9:15 a.m. Energy Requirements for Beef Cattle - Dr. G. Lofgreen

10:30 a.m. BREAK

10:45 a.m. Balancing Rations for Cow-Calf Operations - Dr. M. Geasler

12:00 Noon LUNCH

1:00 p.m. Approach to Cow-Calf Nutrition in my Practice - Dr. J. Simons

2:00 p.m. Balancing Least Cost Rations for Weaner Calves - Dr. G. Lofgreen

3:00 p.m. BREAK

3:15 p.m. Feeding the "Stressed" Weaner Calf - Dr. G. Lofgreen

4:15 p.m. Feed Implants and Additives for Beef Cattle - Dr. D. Horton

7:00 p.m. Balancing Least Cost Rations for Yearling Cattle - Dr. P. M. Braddy

Discussion and Questions

**Beef Nutrition Seminar**

**Monday** *Henry L. Mencken Room  
Hilton Hotel*

- 8:00 a.m. Workshop - Ration Calculations - Bring Small Calculators
- 12:00 Noon LUNCH
- 1:00 p.m. Workshop Continued
- 2:45 p.m. BREAK
- 3:00 p.m. Using the Mini-computer for Beef Cattle Ration Formulation - Dr. B. Norman
- 4:15 p.m. Discussion and Questions

**Seminar III - West Surgical Laboratory**  
**Dec. 10, 1978** *Maryland State Fairgrounds  
Timonium, Md.*

9:00 a.m. - 5:00 p.m.  
Buses will pick up registrants at Baltimore Hilton Hotel and Holiday Inn Hotel at 8:00 a.m. (This is what many of you have been requesting for years. I hope it meets your needs.)

Pre-registration requested.  
Registration fee \$50.00. (Lunch and bus fare included in registration fee.)

**Procedures and Surgeons**

1. Plaster applications on the bovine - Dr. Bruce L. Hull
2. Regional nerve anesthesia of eye. Proptose eye. Enucleation of eye - Dr. Glen F. Hoffsis
3. Preputial circumcision - Dr. Wilbur A. Aanes
4. Dewclaw removal - Dr. Bruce L. Hull
5. Frontal sinus trephination. Cosmetic dehorning - Dr. Glen F. Hoffsis
6. Teat laceration repair. Teat stenosis repair - Dr. Bruce L. Hull
7. Perineal laceration repair - Dr. Wilbur A. Aanes
8. Anesthesia of distal front and hind legs. Claw removal. Interdigital fibroma removal - Dr. Bruce L. Hull
9. Paravertebral nerve anesthesia. Omentopexy - Dr. Glen F. Hoffsis
10. Corrective techniques for vaginal prolapse - Dr. Bruce L. Hull
11. New technique for teaser bulls. Penipexy. Vasectomy - Dr. Wilbur A. Aanes

**Seminar IV - Theriogenology Seminar**

**Dec. 11, 1978** *Carroll Room  
Hilton Hotel*

Arranged by Dr. John Simons

**Subjects and Speakers:**

1. Utero-ovarian Relationships - Dr. Maartin Drost
2. Detection of Estrus - Dr. R. Kenneth Braun
3. Intra-uterine Therapy - Dr. Bruce Abbitt

**Time:**

9:00 - 11:30 a.m. and 1:30 - 4:30 p.m. Limited to 125 registrants. Registration fee \$30.00.

**Seminar V - Bovine Toxicology**

*Ballroom - Hilton Hotel*

Presented by: Dr. E. Murl Bailey, Jr., Dr. L. G. Morehouse, Moderator, Dr. G. D. Osweiler.

**Descriptive State of Content**

Discussion of toxicologic problems encountered in the bovine including current knowledge and management of the following: **Plant poisonings, feed and water related toxicants** (i.e., urea, organic iodides, rumensen, water deprivation), **Mycotoxins** (including review of mycotocix fungi and toxins), **Industrial toxicants** (i.e., PBB, PCP, fluorides), **Herbicides and pesticides, heavy metals** (i.e., lead, arsenic, selenium, mercury), **Therapy as related to bovine toxicoses** (including adverse drug reactions, common drugs and antidotes), **Use of diagnostic**

**laboratory services** (including specimen selection and shipment, and review of laboratory support capabilities for the practitioner).

**Monday, December 11, 1978**

**9:00 a.m. - 12:00 Noon**

- Period 1 - Plant poisonings** (i.e., urea, organic iodides, rumensen, water deprivation) - Dr. E. Murl Bailey, Jr.
- Period 2 - Feed and water related toxicants** (i.e., urea, organic iodides, rumensen, water deprivation) - Dr. E. Murl Bailey, Jr.
- Period 3 - Mycotoxins** (including review of mycotocix fungi and toxins) - Dr. L. G. Morehouse
- Period 4 - Industrial toxicants** (i.e., PBB, PCP, fluorides) - Dr. G. D. Osweiler

**Lunch**

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

- Period 5 - Herbicides and pesticides** (i.e., lead, arsenic, selenium, mercury) - Dr. G. D. Osweiler
  - Period 6 - Heavy metal poisoning** (i.e., lead, arsenic, selenium, mercury) - Dr. G. D. Osweiler
  - Period 7 - Therapy as related to bovine toxicoses** (including adverse drug reactions, common drugs and antidotes) - Dr. E. Murl Bailey, Jr.
  - Period 8 - Use of diagnostic laboratory services** (including specimen selection and shipment, and review of laboratory support capabilities for the practitioner) - Dr. G. D. Osweiler
- Limited to first 125 registrants.  
Registration fee: \$30.00

**Seminar VI - Bovine Respiratory Diseases**

**Dec. 11, 1978** *Ballroom - Hilton Hotel*

- 9:00 a.m. Pulmonary Defense Mechanism - Dr. Charles Hjerpe
  - 10:00 a.m. Review of the Role of Viral Agents in Bovine Respiratory Diseases - Dr. Alex Ardans
  - 12:00 Noon LUNCH
  - 1:30 p.m. Review of the Role of Mycoplasma Clymadia and Bacteria in Bovine Respiratory Diseases - Dr. Charles Hjerpe
  - 2:00 p.m. Prevention and Treatment of Respiratory Disease in the Feedlot - Dr. Rich Beck
  - 2:45 p.m. Prevention and Treatment of Respiratory Disease in Dairy Calves - Dr. John Woods
  - 3:30 p.m. Prevention and Treatment of Respiratory Diseases in Ranch Calves - Dr. Robert Giacomazzi
- Limited to 125 registrants.  
Registration fee: \$30.00

**Monday, Dec. 11**

*Upper Exhibit Level  
Civic Center*

**Practice Methods and Techniques**

Moderator: Dr. L. C. Allenstein

1. The Use of Prostin F<sup>2</sup> Alpha in the Dairy Cow - Dr. George E. Washington
2. Wooden Shoes for the Dairy Cow - Dr. John B. Herrick
3. Drainage of Ovarian Cysts Through the Vaginal Wall - Dr. John B. Herrick
4. Creating a Teaser Steer with Testosterone - Dr. John B. Herrick
5. Monitoring A.I. Performance on Large Dairies - Dr. Steve A. Smalley
6. Dr. Warren Wilson
7. Dr. Gary Kramer
8. Dr. Merrill M. Townley
9. Dr. Larry Hollis
10. Dr. Joseph M. Wright
11. Dr. Larry Donovan
12. Dr. Larry Donovan
13. Dr. Larry Donovan
14. Dr. F. P. Baker
15. VIDEO TAPE - "PRACTICE TECHNIQUES"

**GENERAL MEETING SESSIONS**

**Tuesday, Dec. 12** *Upper Exhibit Level*

*Civic Center*

- General Scientific Session - Chairman: Dr. John Noordsy  
 8:30 a.m. "Welcome and Introductions" - Dr. James Jarrett  
 8:45 a.m. "Welcome to Baltimore" - Dr. Jack Shanks  
 8:55 a.m. "The Program" - Dr. John Noordsy  
 9:00 a.m. "Greetings from the AVMA" - Dr. Vernon Tharp, President, AVMA  
 9:30 a.m. Opening Keynote Address - Mr. Louis Goldstein, Maryland State Comptroller  
 10:15 a.m. Keynote Address - Mr. Orville K. Sweet (Pres., American Polled Hereford Assn.)  
 11:15 a.m. Keynote Address - "The Role of the Veterinary College and University in Educating Veterinarians with Emphasis on Food Animals" - Dr. Duane Acker, President, Kansas State University  
 12:00 p.m. LUNCH in Exhibit Area

**Tuesday, Dec. 12** *Upper Exhibit Level*

**Dairy Section I:** *Civic Center*

Moderator: Dr. Dave Reid

- 1:30 p.m. Dairy Herd Health in California - Dr. Paul Blackmer  
 2:10 p.m. Dairy Herd Health in Canada - Dr. R. David Mackay  
 2:50 p.m. MILK & COFFEE BREAK  
 3:20 p.m. Implementation of Our Dairy Herd Health Program - Dr. Charles D. Gibson  
 4:00 p.m. Rumen Acidosis - Dr. Jerry Vestweber  
 4:30 p.m. Cryosurgery - Dr. Harold Farris

**Tuesday, Dec. 12** *Room 101*

**Cow-Calf Section I:** *Civic Center*

Moderator: Dr. Russ Benson

- 1:30 p.m. Cow Herd Management, Selection for Improving the Cow Herd and Record Keeping - Carl Martin, Jr.  
 2:10 p.m. How to Sell a Herd Health Program and How to Keep Records - Dr. Robert E. Bolender  
 2:50 p.m. MILK & COFFEE BREAK  
 3:20 p.m. A Long Lasting Oxytetracycline for Use in Anaplasmosis - Dr. T. O. Roby  
 3:40 p.m. Planning and Implementing a Health Program for the Research Center Cow Herd - Dr. William G. Kvasnicka  
 4:30 p.m. PANEL DISCUSSION

**Tuesday, Dec. 12** *Chesapeake Room*

**Feedlot Section I:** *Civic Center*

Moderator: Dr. Don Hudson

- 1:30 p.m. Feed Them Before You Haul - Dr. Gene Cope  
 2:15 p.m. Starting Rations and Procedures - Dr. George Davis  
 3:00 p.m. Progress Report - Iowa Preconditioning Program - Dr. John Herrick  
 3:30 p.m. MILK & COFFEE BREAK  
 3:45 p.m. BVD Vaccinations - Dr. Homer K. Caley  
 4:00 p.m. Pulmonary Emphysema in Weaned Calves - Dr. C. M. Hibbs  
 4:30 p.m. Questions

**Wednesday, Dec. 13** *Upper Exhibit Level*

**General Scientific Session:** *Civic Center*

Chairman: Dr. James Jarrett

- 8:30 a.m. FILM "A Rapid Field Treatment for Cancer Eye in Cattle - Y-311" - Hach Chemical Co.  
 8:45 a.m. Genetics and Diseases in the Bovine Species - Dr. Horst Leipold

9:30 a.m. MILK & COFFEE BREAK

9:50 a.m. Genetics and Disease in the Bovine Species (Cont'd.) - Dr. Horst Leipold

10:10 a.m. The Use of the Veterinary Technician in Bovine Practice - Dr. Ben Harrington

10:30 a.m. AABP BUSINESS SESSION - Dr. James Jarrett

**Wednesday, Dec. 13** *Upper Exhibit Level*

**Dairy Session II:** *Civic Center*

Moderator: Dr. Keith Sterner

- 1:30 p.m. Ventilation for Calves and Young Stock - Dr. Bill Bickert  
 2:15 p.m. The Practitioner's Mastitis Laboratory - Dr. Burleigh P. Anderson  
 3:00 p.m. MILK & COFFEE BREAK  
 3:30 p.m. Auscultating and Palpating the Ruminant Abdomen - Dr. Fred Troutt  
 4:15 p.m. General and Regional Anesthesia in the Young Ruminant - Dr. Kent Ames  
 4:45 p.m. Immunization Programs for Cattle - Dr. Robert R. Kahrs

**Wednesday, Dec. 13** *Room 101*

**Cow-Calf Section II:** *Civic Center*

Moderator: Dr. Russ Bierl

- 1:30 p.m. Drive-In Veterinary Hospital and Practice - Dr. Charles Uecker  
 2:00 p.m. Relating Testicular Size to Potency and Durability of Bulls - Dr. Peter J. Chenoweth  
 2:30 p.m. Calving Management - Deciding When to Do a C-Section - Dr. K. K. Armstrong  
 3:00 p.m. MILK & COFFEE BREAK  
 3:30 p.m. Pedal Defects - Dr. Paul Greenough  
 4:00 p.m. PANEL DISCUSSION

**Wednesday, Dec. 13** *Chesapeake Room*

**Feedlot Section II:** *Civic Center*

Moderator: Dr. Homer Caley

- 1:30 p.m. The Consultant's Role in Feedlot Practice - Dr. A. L. Edwards  
 2:15 p.m. Parasitism in Feedlot Cattle - Dr. George Davis  
 2:45 p.m. MILK & COFFEE BREAK  
 3:15 p.m. Blood Profiles - Dr. Don Hudson  
 4:05 p.m. Haemophilus somus - Dr. John Herrick  
 4:30 p.m. The Cattle Problems As I See Them - Mr. Burton Eller  
 5:00 p.m. PANEL: Dr. C. M. Hibbs, Dr. Burton Eller, Dr. George Davis, Dr. John Herrick

**Wednesday, December 13**

6:30 p.m. - 9:00 p.m. "Chesapeake Bay Night"

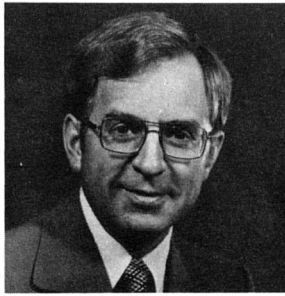
**Thursday, Dec. 14** *Upper Exhibit Level*

**General Scientific Session** *Civic Center*

Moderator: Dr. Dave Bechtol

- 8:30 a.m. VIDEO TAPE - "Modern Food Animal Practice Facilities in the Central United States"  
 9:15 a.m. Long-Term Calcium/Phosphorus Studies in Confined Dairy Cows - Dr. George Ward  
 10:00 a.m. Pathology Associated with Long-Term Calcium/Phosphorus Imbalances in the Confined Dairy Cow - Dr. Horst Leipold  
 10:30 a.m. MILK & COFFEE BREAK  
 11:00 a.m. Practical Application of Embryo Transplant - Ance Armstrong  
 11:30 a.m. The Use of the Diagnostic Laboratory in Bovine Practice - Dr. Hugh Binks  
 12:00 p.m. PANEL DISCUSSION

## Conference Speakers



*Dr. Duane Acker*



*Orville K. Sweet*

Dr. Duane Acker is the eleventh president of Kansas State University, Manhattan, Kansas.

Dr. Acker was raised on a 130-acre livestock farm near Atlantic, Iowa. He received the B.S. degree in animal science and the M.S. degree in animal nutrition from Iowa State University. He earned the Ph.D. degree in animal nutrition from Oklahoma State University in 1955 and returned to Iowa State University's Department of Animal Science.

In 1962 he became associate dean of agriculture and assistant director of the Agricultural Research Station at Kansas State University. In 1966 he was named dean of the College of Agriculture and Biological Sciences and director of the Agricultural Experiment Station at South Dakota State University, Brookings.

In 1974 Dr. Acker became the first vice-chancellor of agriculture and natural resources at the University of Nebraska-Lincoln. In 1975 he became president of Kansas State University.

Orville K. Sweet is the president of the American Polled Hereford Association. He assumed his position in January 1963, having previously worked as a teacher, farm manager and university beef cattle specialist.

A native of Wichita Falls, Texas, Mr. Sweet was raised on a farm near Anadarko, Okla. He holds B.S. and M.S. degrees from Oklahoma State University.

In 1955 and for the next five years he managed Windsweep Farm, Thomaston, Ga., where he developed and showed many state and national champion Polled Herefords. He became a beef cattle specialist at the University of Georgia in 1960 and was responsible for planning and organizing the Georgia Beef Cattle Improvement Association.

Mr. Sweet owns and operates his own Polled Hereford ranch. He became president of the U.S. Beef Breeds Council in 1974 and is on the board of directors of the Agricultural Hall of Fame.

Mr. Sweet was awarded the Distinguished Flying Cross and three air medals during World War II.

## Conference Committees

**General Program Chairman**  
Dr. John L. Noordsy

**Local Arrangements Co-Chairmen**  
Dr. Jack Shanks  
Dr. Robert C. Hammond

**Assisted By**  
Ray Thompson and Associates, Inc.  
330 North Charles Street  
Baltimore, Maryland 21201  
Phone 301 - 539-1700

**General Scientific Program**  
Dr. C. M. Hibbs  
Dr. Horst Leipold  
Dr. Fayne Oberst

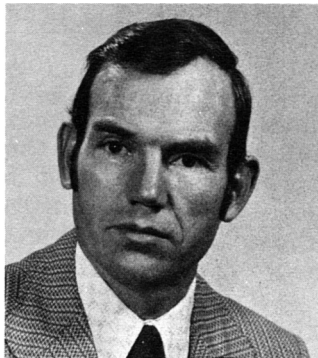
**Dairy Section**  
Dr. David A. Reid  
Dr. Keith E. Sterner

**Cow-Calf Section**  
Dr. W. R. Benson  
Dr. R. O. Bieri

**Feedlot Section**  
Dr. H. K. Caley  
Dr. D. B. Hudson

**Seminar Chairmen**  
Milk Quality, Dr. James A. Jarrett  
Bovine Nutrition, Dr. Robert H. Keith  
Theriogenology, Dr. John C. Simons  
Toxicology, Dr. L. G. Morehouse  
Respiratory, Dr. C. A. Hjerpe  
Surgery, Dr. M. W. Radebaugh

### Local Arrangements Chairmen



*Jack E. Shanks, D.V.M.*



*Robert C. Hammond, V.M.D.*





## Ladies' Program

**Sun., December 10**

**Mini Tours - 1:30 - 4:30 p.m.**

Ladies are given a choice of the following mini-tours of Baltimore:

**Baltimore Historic:** Drive through the Inner Harbor area, passing rich cultural and historic landmarks that make Baltimore unique. Tour stops at the Shot Tower, Federal Hill, the Carroll Mansion and the birthplace of the Star Spangled Banner, Fort McHenry.

**Baltimore Neighborhoods:** Visit various neighborhoods and learn how Baltimore attained its rich cultural and ethnic heritage. See Bolton Hill, Hopkins Hospital area, Fells Point, Corned Beef Row, Union Square, home of H.L. Mencken. Visits to the B&O Railroad Museum (\$1 admission per person) and to the Walters Art Gallery.

**Pre-Christmas shopping spree with a little culture too:** Drive through the Inner Harbor area on the way to the Cathedral of Mary our Queen for tour of this handsome cathedral. Then to the Village of Cross Keys for shopping in the elegant shops. Last stop at the Baltimore Museum of Art for a special tour of the outstanding collection of Impressionist art.

**Baltimore-Old and New:** Hear about Baltimore's historic heritage as well as its recent renaissance. Visits to the Maryland Academy of Sciences (\$2 admission per person) for a special Christmas show in the planetarium. Federal Hill for a scenic view of the harbor and a look at the \$1 homesteading area at Otterbein. Then to the lovely pre-Revolutionary Mount Claire Mansion (\$1 admission per person) to see the beautiful Christmas decor, tour the mansion and sip mulled cider.

Cost for guide and transportation is \$6.50 per person, minimum of 30 tourists per bus. Admission fees applicable only where mentioned above.

Pre-registration is required.

**Mon., December 11**

**Annapolis Tour - 9:30 a.m. - 3:30 p.m.**

Drive from Baltimore to the state's capital of Annapolis for walking tour in this 18th and 19th century town. Tour the State House, walk through the campus of St. Johns College and pass the Hammond-Harwood House and the Chase-Lloyd House, to the U.S. Naval Academy Chapel, the crypt of John Paul Jones and to the noon-time formation at Bancroft Hall (seasonal). Luncheon at a hospitable restaurant in the area and then time for browsing in the quaint shops.

Cost of guide service, transportation, and luncheon is \$17 per person, minimum of 30 tourists per bus. There will be a guide provided for each 20-25 tourists.

Pre-registration is required.

**Tues., December 12**

**Tour of Washington - 9:00 a.m. - 4:00 p.m.**

Drive to Washington for fully narrated tour done by licensed D.C. guides. There will be guides or hostesses on each bus. Highlights of the tour: drive by the White House, Washington Monument, Smithsonian Institution, Kennedy Center and Watergate. Stops for touring at the U.S. Capitol, the Lincoln Memorial and Arlington National Cemetery.

Cost of guide service, transportation and box lunch is \$17 per person, minimum of 30 tourists per bus.

Pre-registration is a must.

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## An Invitation to the 11th Annual AABP Conference

Dear Bovine Practitioner:

Stimulated by research conducted by continuing education personnel which indicated that a high percentage of complaints concerning veterinary practice were in the area of the art of practice rather than in lack of scientific knowledge, this year's program is particularly aimed at the "art" or "practice" of veterinary medicine.

The program committee has attempted to include up-to-date techniques and information on all the major facets of bovine practice as encountered in

today's world. In-depth seminars which have proven so popular in the past have been increased both in number and scope.

I wish to personally thank each of the program committee for their contributions. They have "ruminated" in a most excellent manner in an attempt to present a timely and successful program.

**Make plans now to attend the 11th annual conference in Baltimore. I'll see you there!**

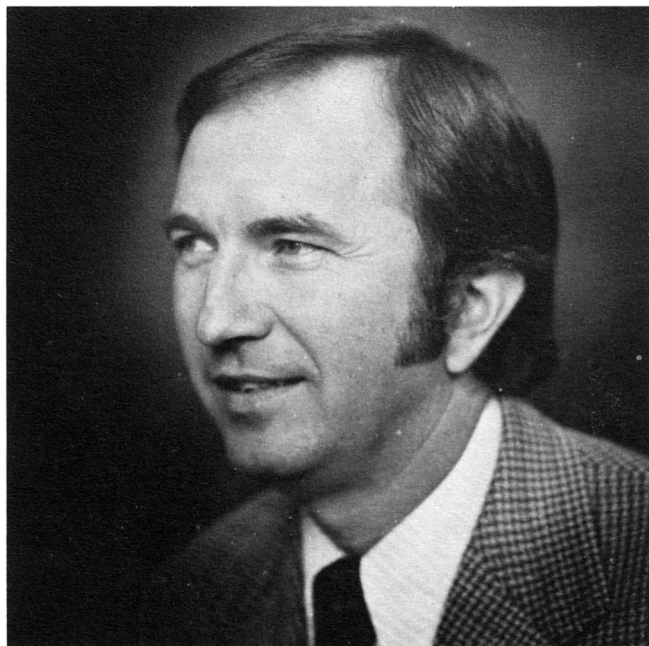
J.L. Noordsy, D.V.M.

Program Chairman

# AABP Officers

## President

James A. Jarrett, D.V.M.  
Rome, Georgia



James A. Jarrett, D.V.M., Rome, Georgia, is the new president.

Dr. Jarrett received the D.V.M. degree from the University of Georgia in 1960. He spent the next five years in private practice and in 1965-67 he was assistant state veterinarian and director of the Georgia Quality Milk Program. Since 1967 he has conducted a private practice as a consultant in dairy herd health management in the southeast.

Dr. Jarrett was local arrangements co-chairman for the 1975 AABP convention in Atlanta, Georgia, and was the program chairman for the 1977 convention in St. Louis.

Dr. Jarrett was the recipient of the 1978 Outstanding Alumnus award from the College of Veterinary Medicine, University of Georgia.

Dr. Jarrett and his wife, Margaret, have two children: Joy, age 19, who is a sophomore at the University of Georgia; and Robert, age 17, a senior in high school.

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## A Message From the President

It is a pleasure for me to report to the membership a continued active growth of our organization. At the rate we are going presently, we should be well past the 3,000 active-member mark by the time the Baltimore meeting rolls around.

This continued growth is a result of the continued involvement and interest of the membership in the organization. I have personally never been associated with a group of people that I enjoy more and that are more enthusiastic about their membership in any organization.

**Continued growth of the Bovine Practitioners depends upon the continued interest and involvement of the membership. The organization, of course, is no stronger than this membership involvement.**

To continue this interest and service to the membership by the organization, I would encourage each of you to become involved and attend committee meetings as much as possible. It is through the committees that the membership communicates with the leadership in our organization and therefore continued involvement with the committee work is very necessary for us to continue our service.

Another reason for our continued growth, I feel, is the service that we render to the cattle industry. It is a great satisfaction to me personally to know that we serve this industry on an economic basis and the industry is becoming more and more aware of this fact.

Our tenth annual meeting in St. Louis dealt with management and economics as it relates to the dairy and beef industry.

Complementing this approach to bovine practice, Dr. John Noordsy and his fine program committee have done an outstanding job putting together the program for the Baltimore meeting. The general theme for this meeting will be "The Art of Veterinary Practice."

We all know that many times we are faced with problems that do not relate specifically to veterinary medicine. It was the hope of the program committee that some of these problems could be dealt with and discussed at the Baltimore meeting.

I look forward to seeing you at this meeting and know that it will continue to be one of the most outstanding practitioner meetings we have the opportunity to attend.

James A. Jarrett, D.V.M.  
President

**President-Elect**

**John L. Noordsy, D.V.M.**  
Manhattan, Kansas

Dr. John L. Noordsy, Manhattan, Kansas, is the new president-elect. A native of South Dakota, Dr. Noordsy received the D.V.M. degree from Kansas State University in 1946 and the M.S. degree from the same institution in 1962. He spent 12 years in private practice at Marion, South Dakota, before joining the Department of Surgery and Medicine, Kansas State University, in 1960. He is presently professor of surgery and assistant dean. He has presented several papers at local, national and international meetings on food animal surgery and bovine metabolic diseases. Dr. Noordsy is the program chairman for the Baltimore convention.

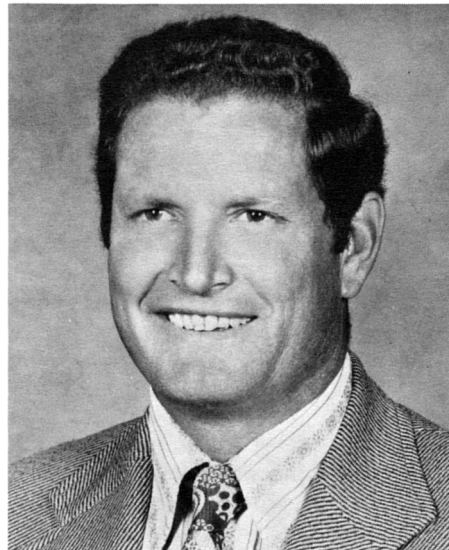


**Vice President**

**David T. Bechtol, D.V.M.**  
Canyon, Texas

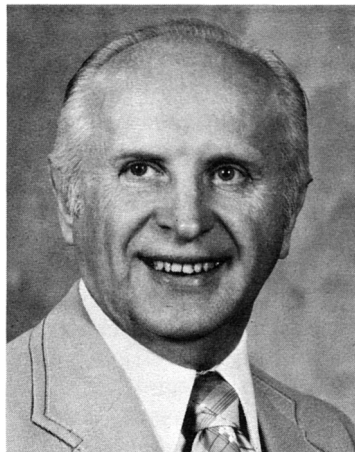
Dr. David T. Bechtol, Canyon, Texas, is the new vice president. Dr. Bechtol received the D.V.M. degree from Texas A&M University in 1965. He has been District 8 representative on the AABP Board of Directors since 1975. Born in Amarillo, Texas, Dr. Bechtol was engaged in equine practice for a year and from 1966-1974 he was engaged in general practice and later in swine consultation. At present he is a feedlot and swine consultant. Dr. Bechtol is a past president of the American Association of Swine Practitioners and of the Academy of Veterinary Consultants. He is a member of the AVMA, Texas Cattle Feeders Association and the American Society of Agricultural Consultants.

Dr. and Mrs. Bechtol have three children: Gayla, Carla and Paula.



**Executive Secretary-Treasurer**

**Harold E. Amstutz, D.V.M.**  
W. Lafayette, Indiana  
President, World Association for Buiatrics and Alternate Delegate to the AVMA



**AVMA Delegate**

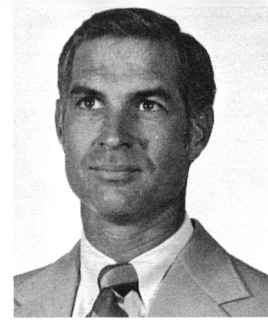
**Leland C. Allenstein, D.V.M.**  
Whitewater, Wisconsin



# New Directors

**Dr. Joseph W. Bitter** (Texas, 1964) is the new director for District 8. Following graduation he served two years in the U.S. Air Force. He practiced with Dr. E.B. Avery at Pearsol, Texas, for a year and then established a mixed practice (60% beef) in Edna, Texas, in December 1966. Dr. Bitter has a special interest in beef herd health management. He is a Beefmaster breeder and a member of Beefmaster Breeders Universal. Dr. Bitter is a past president of Golden Crescent VMA and a past director of the Texas VMA, being chairman of the bovine and ranch practice committee for three years. He is a member of the Society for Theriogenology and the AAEP.

Dr. Bitter and his wife, the former Mary Ann Weiss, have five sons and four daughters.



Dr. Bitter

**Dr. James O. Hanson** (Minn., 1953) is the new director for District 6. A native of Fairmont, Minnesota, Dr. Hanson received the B.S. degree in 1951 and the D.V.M. degree in 1953 from the University of Minnesota. He practiced at St. Peter, Minnesota, from 1953 until 1967 when he joined the faculty at the University of Minnesota as director of continuing education and project leader of veterinary extension.

Dr. Hanson is a member of Phi Zeta, the Minnesota Academy of Veterinary Medical Practice, Gamma Sigma Delta, AVMA, and is a past president of the Minnesota VMA. He has served as coordinator for three national or regional meetings at the College and coordinated the planning and production of the film "Three Is Company, Not a Crowd."

During the 9th AABP convention in San Francisco, Dr. Hanson served as chairman and coordinator of the program on Clinical Problem-Solving and Self-Evaluation for Dairy Practitioners. He has presented several papers at state and national conventions.

Dr. Hanson and his wife Carol have three sons and one daughter. Mrs. Hanson is a member of the board, AVMA auxiliary.



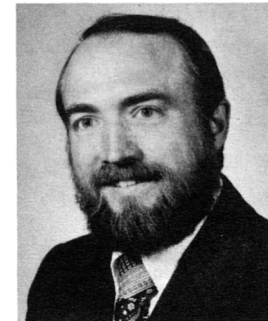
Dr. Hanson

**Dr. Neil Anderson** (Ont., 1967), Cheltenham, Ontario, is the new director for District 12 (Canada).

Dr. Anderson was born in Hamilton, Ontario, in 1944 and received the D.V.M. degree from Ontario Veterinary College in 1967. He was engaged in large animal practice in Brampton, Ontario, for seven years and then moved to Cheltenham, Ontario, where he and two associates have a predominantly dairy practice. They are also engaged in embryo transplants.

Dr. Anderson is a private pilot and occasionally pilots his own plane on practice calls. He is a member of the Canadian VMA and the Ontario Veterinary Association. He has served as program chairman of the OVA and on the large animal practice committee. Dr. Anderson is a 4-H club leader and is the founder of their veterinary club.

Dr. Anderson and his wife Susan have three children: Spike, 10; Amy, 9; and Jennifer, 8.



Dr. Anderson

## The Glorious Decade

The sweetest fruits in all the land are the fruits of high endeavor, and such are the joyful fruits of ten years as editor of *The Bovine Practitioner*. This publication marks the end of a decade of challenge, frustration, hope, despair, anticipation, triumph, but above all the pleasure of being part of a wonderful organization. My thanks to all of you who have made this the most rewarding era of my life. *Iechyd Da!*

# 1978 AABP Conference Exhibitors



*Samuel Hutchins, III, D.V.M., South Barre, Vt., Chairman, Exhibits Committee and AABP Director, District 1.*

## EXHIBITS-Exhibit Hall

Please remember our exhibitors are supporting us at this meeting in a major way. Let's visit their booths and show them we appreciate their support. Visit them anytime they are open but especially during the two luncheons in the area.

### Abbott Laboratories

CAPD, Dept. 44A, R1B, 3rd Fl.  
14th & Sheridan Rd., N. Chicago, IL 60064  
Booth 54

Abbott representatives will be present to provide information regarding Abbott's new treatment for bovine cystic ovaries-Cystorelin® (GnRH) and other Abbott Veterinary Products-antibiotics, I.V. fluids and fluid administration equipment.

### Albion Labs

P.O. Box 750, Clearfield, UT 84015  
Booth 11

Albion Laboratories will be presenting a complete line of nutritional supplements incorporating amino acid chelate minerals backed by 15 years of research and a new diagnostic program for dairy cattle.

### American Cyanamid Co.

P.O. Box 400, Princeton, NJ 08540  
Booth 68 and 70

Cyanamid's Professional Veterinary Pharmaceuticals' exhibit will feature Ripercol L® Injectable Solution, S.E.Z.® Controlled Release Sulfonamide, Bo-Ana® Pour-On insecticide for grubs and lice, and Dexon® synthetic absorbable sutures, Caricide® Oral Liquid, Tablets and Powder, Styrid® Caricide® Oral Liquid and Tablets. Cyanamid marketing and technical service personnel will be on hand throughout the show.

### Animal Nutrition, Inc.

6608 W. Main, Belleville, IL 62223  
Booth 56

Representatives of Animal Nutrition, Inc., will be present to answer questions and describe our nutritional service. The incorporation of a nutritional service into Total Herd Health Programs is being accomplished by an ever-growing number of veterinarians. ANI provides an exclusive ration formulation and nutritional consultation service to the large animal veterinarian; and prides itself in being the originator and leader in this field.

### Babson Bros. Co.

2100 S. York Rd., Oak Brook, IL 60521  
Booths 6, 7, 8

Milking machinery and dairy farm equipment.

### Beecham Laboratories

501 Fifth St., Bristol, TN 37620  
Booths 67 and 69

Beecham's (formerly Affiliated's) outstanding line of bovine biologicals will be featured. These include Leptomune-5, Ultrabac-CSNS and Nasamune-I.P. Ultrabac-7, a polyvalent clostridial, is a new addition to the Beecham line. Also included in the exhibit will be Dariclox (sodium cloxacillin), a new mastitis product featuring a 48-hour withholding time.

### Bio-Ceutic Laboratories

P.O. Box 999, St. Joseph, MO 64502  
Booth 23

As our slogan states, Bio-Ceutic is truly responsive to the needs of today's veterinarian. Continuous research has resulted in the recent introduction of several products of interest to the bovine practitioner. Among the products to be featured are Somnugen™ (Haemophilus somnus Bacterin) and the complete Fermicon family of clostridial bacterins, utilizing the Omega® Process.

### Biozyme Enterprises

1231 Alabama, St. Joseph, MO 64504  
Booth 60

The Vita Ferm System is a new dimension in animal nutrition, combining good nutrition with sound genetics and management. The Vita Ferm System utilizes our base fermentation product, Amaferm. Vita Ferm products are special blends of vitamins, minerals, enzymes and natural proteins. Biozyme Enterprises, the fermentation people since 1963.

### Bowie Mfg., Inc.

313 S. Hancock, Lake City, IA 51449  
Booths 71, 72, 73 and 74

On display will be the streamlined new chassis mounted EX3000 and the Royal 8' mini fiberglass mobile veterinary clinics from Bowie Manufacturing. Our representatives will be on hand to show you the many new features on these units as well as our Instant X-Ray System with "on-the-spot" Polaroid radiographs.

### Brae Laboratories

P.O. Box 266, Terre Haute, IN 47808  
Booth 15

Brae Laboratories will feature Ralabol® brand of zeranol. Ralabol is an implant for beef cattle and feedlot lambs. Dr. William N. Chandler and Mr. Donald M. Lowry will be available to discuss the product and its use. Ralabol has gained remarkable acceptance since it was introduced.

### Bristol Laboratories

P.O. Box 657, Syracuse, NY 13201  
Booths 42 & 43

Bristol Laboratories is proud to display its fine line of ethical mastitis products. Representatives will be available to answer any questions you might have.

### A. J. Buck & Son, Inc.

10534 York Rd., Cockeysville, MD 21030  
Booths 26 & 27

The complete veterinary supplier. We will have on display the latest on bovine biologicals, pharmaceuticals, and instrumentation featuring mastitis diagnostic equipment.

### Burns-Biotec Laboratories

8536 "K" St., Omaha, NE 68127  
Booth 13

A diversified products line will be on display for explanation by competent technical and field personnel. Literature for large animal practitioners will be available and information on specialty products, such as: Mu-Se, Bo-Se, Bo-Vibrio, and BB-Pac, our new atrophic rhinitis bacterin. Requests for complimentary copies of

"Selenium-Tocopherol, a Biomedical Summary for Veterinarians" may be placed with Burns-Biotec representatives.

**Burroughs Wellcome Co.**  
Research Triangle Park, NC 27709  
Booth 32

Featuring Halox® wormer for cattle and the Wellcome line of Clostercine™ biologics.

**The Butler Company**  
4140 Fisher Rd., Columbus, OH 43228  
Booths 38 & 39

The Butler Company cordially welcomes all members and guests of the Bovine Practitioners Association to visit our booth to view the largest and latest array of pharmaceutical and biological products, as well as the newest innovations of equipment and instruments.

**Coulter Electronics, Inc.**  
601 W. 20th St., Hialeah, FL 33010  
Booth 19

Coulter Electronics, Inc., invites you to see continuous demonstrations of its hematology and manual chemistry systems. On display will be the Coulter Counter DN<sub>s</sub> System and ZF5 System. We will also feature Coulter® reagents and a leasing specialist will be present to discuss economical ways to implement these systems in your laboratory.

**Craig Laboratories**  
1 Wisconsin Ave., Norwich, CT 06351  
Booth 18

Craig Laboratories' exhibit features its unique mastitis control program, comprising patented mastitis detection, plus treatment, and prevention products. The Craig complete mastitis control program features Quadracillin, the only professional 40 ml syringe (pat. pend.) containing 400,000 units of procaine penicillin G and chlorbutanol (4 x 10ml). See our unique new product, Meroceol, the first significant advance in surgical sponges.

**Dairy Equipment Co.**  
1919 S. Stoughton Rd., Madison, WI 53701  
Booths 35, 36 & 37

Bou-Matic System 2000, labor-saving dairy automation that can monitor, display, record and store dairy herd production data to assist in efficient dairy management decisions. The display includes the Model 2100 detacher unit, milk meter and Agri-Comp 2020 computer.

**The De Laval Separator Co.**  
5724 N. Pulaski Rd., Chicago, IL 60646  
Booth 1

Dairy equipment.

**Dellen Laboratories, Inc.**  
8445 Lake St., Omaha, NE 68134  
Booth 24

Dellen Labs, Inc., will feature biologicals designed for the bovine practitioner in all fields of bovine practice. These include viral vaccines of cell line origin, bacterins for prevention of leptospira infections, pasteurilla infections, clostridium infections, and combination products.

**Diamond Laboratories, Inc.**  
P.O. Box 863, Des Moines, IA 50304  
Booths 40 & 41

Diamond Laboratories, Inc., presents a complete line of large animal products including Respacell™ vaccines, the only diploid cell produced vaccines available, and Synovex® implants, the leading name in growth-promoting implants.

**Encyclopaedia Britannica**  
425 N. Michigan Ave., Chicago, IL 60611  
Booth 58

As part of our exhibit we will have on display the 30-volume Encyclopaedia Britannica 3, the Britannica Junior Great Books of the Western World and other related products. These products are available to members and guests at the exhibit offer. Stop and visit with us in Booth 58.

**For-Most, Inc.**  
Box 322, Hawarden, IA 51023  
Booth 29

Our booth will be displaying livestock holding equipment, including our Model 300 chute with Model 30 holding stanchion and Model A25 self-catcher, also our hog catcher and crate.

**Fort Dodge Laboratories**  
800 5th St. N.W., Fort Dodge, IA 50501  
Booth 59

Fort Dodge Laboratories invites you to come by and visit our booth where we will be showing our entire line of cattle products. Of special interest are our new killed virus vaccines and our complete line of electronically produced "Bio-Ferm™ Clostridial" bacterins.

**Germania Dairy Automation, Inc.**  
606 Cooper Rd., Waunakee, WI 53597  
Booth 17

Germania will be displaying a full line of automatic milking equipment. In particular: 3 models automatic take-off; air pressure massage and stimulation system; backflush system to sanitize claws after each cow; air pressure pulsation, etc.

**Haver-Lockhart**  
P.O. Box 390, Shawnee Mission, KS 66201  
Booth 44

Haver-Lockhart will feature their complete line of cattle biologicals as well as pharmaceuticals and instruments.

**Hoffmann-La Roche, Inc.**  
340 Kingsland Rd., Nutley, NJ 07110  
Booth 57

Roche convention display will feature Albon® (sulfadimethoxine) Injection-40% and Albon-S.R. sustained release bolus for treatment of specific infectious diseases in cattle. Albon Injection-40% provides fast-acting therapy with one low cost dose per day. Albon-S.R. bolus affords four days of therapy with one dose, decreasing treatment cost and handling stress on cattle, compared to repeat dose medication.

**Ideal Instruments, Inc.**  
115 Fourth Ave., Needham, MA 02194  
Booth 53

Foresight. A solid-state electronic ejaculator to induce artificial ejaculation in the bovine consists of two bull probes, wiring harness, power converter, and compact carrying case. Probes can be powered by vehicular battery or household current, making semen collection convenient for the veterinarian.

**International Multifoods**  
1200 Multifoods Bldg., Minneapolis, MN 55402  
Booth 16

International Multifoods will exhibit Osborn and Tevco product lines which include parenteral fluids, nutritional products, sulfonamides, antidiarrheals, antibiotics and other products for the bovine practitioner. We cordially invite you to visit with us at Booth 16.

**Jensen-Salsbery Laboratories**  
520 W. 21st, Kansas City, MO 64108  
Booths 20 & 21

Jensen-Salsbery's exhibit will include information and products pertaining to the treatment and prevention of diseases of large and small animals.

**Dr. Jorgensen Laboratories**  
2080 W. 15th St., Loveland, CO 80537  
Booths 61 & 62

Featuring the finest imported specialty instruments by Hauptner, Braun sutures in cassettes and suture with swaged-on needles in modern, convenient packaging. See the Hercules "zig-zag" fetal extractor, the new Utrecht fetatome, the latest in small and large animal endoscopes and our complete line of nylon dose syringes.

**Kane Enterprises, Inc.**  
P.O. Box 360, Sioux Falls, SD 57101  
Booth 14



Ag-Tek veterinary products - Eye-Pro-Tek® eye patches; Ag-Tek "Poly-Sleeve"®; Ag-Tek "Poly-Boote"; "Johnson Button"; Ag-Tek "E-Z Catch"®; Ag-Tek "Rectal Rings"; Ag-Tek Cadaver Bags; Ag-Tek "Pole Syringe."

**Lane Manufacturing, Inc.**

5560 E. Pacific Place, Denver, CO 80222  
Booth 22

Our exhibit features these products: our new Pulsator III, an integrated circuit electro-ejaculator, with our three electrode ventrally oriented bull probe. The K-R spay device; Cole pattern endotracheal tubes; O.B. sleeves and gloves; latex I.V. funnels, Dr. Frank's calf puller and O.B. lubricant will also be shown.

**Medarco Corporation**

P.O. Box 607, Far Rockaway, NY 11691  
Booths 2 & 3

Medarco "discount veterinary supplies" will display a wide selection of surgical instruments, U.S. and W. German made; government surplus and Pakistani. We have an extensive line of bandages, cotton products, and disposables at prices below the market. A line of accessories and devices from major manufacturers will also be included.

**Med-Tech, Inc.**

P.O. Box 338, Elwood, KS 66024  
Booth 25

Med-Tech is the veterinary profession's choice broadline source of pharmaceuticals for bovine practice. We also feature such equipment as oral calf feeders, pole syringes, bovine laryngoscopes, surgical instruments, needles/syringes, gloves, portable X-ray and accessory products.

**Merck Animal Health Division**

P.O. Box 2000, Rahway, NJ 07065  
Booths 9 & 10

Professional veterinary products. Merck Animal Health Division invites all veterinarians to visit our exhibit and discuss our complete line of worming products. Our trained and experienced personnel will be available to discuss other areas of mutual interest, including bovine coccidiosis and antibacterials.

**NASCO**

901 Janesville Ave., Fort Atkinson, WI 53538  
Booth 31

NASCO supplies many small veterinary hand tools, including the Burdizzo emasculatomes, elastrators, dehorners, magnets, balling guns, syringes, ear tags, show equipment, clippers, etc. We also feature artificial insemination equipment, rubber cow mats, plastic gloves and boots, Whirl Pak bags, tattoo equipment, and various other small equipment items. Copies of our 1979 catalog will be available, as well as our dealer catalog, which is available to professional veterinarians. We will have in our booth Cap-Chur equipment including all three projectors, syringe samples, etc.

**National Laboratories Corp.**

Route 202 - 206 N., Somerville, NJ 08876  
Booths 28 & 55

Educational films and booklets available at the National Labs exhibits. Veterinary product information available from the National Labs' technical representatives.

**Norden Laboratories**

601 W. Cornhusker Hwy., Lincoln, NE 68521  
Booth 12

Norden Laboratories will feature Norden's full line of bovine respiratory vaccines with emphasis on the unique temperature specific intranasal vaccines. In addition, representatives will be available to discuss calf scours prevention and treatment programs.

**Pitman-Moore, Inc.**

P.O. Box 334, Washington Crossing, NJ 08560  
Booth 33

Pitman-Moore, a Johnson & Johnson Company, will display its complete line of bovine products. Products in this line include: new Rhivin® intranasal vaccine, Clostridial Bacterins, Levasole® anthelmintics, Bovine Leukemia Test and a wide variety of proven pharmaceuticals. Come see us at Booth 33.

**Porta-Vet Industries, Inc.**

110 Wood St., P.O. Box 728, Hudson, IA 50643  
Booths 63, 64, 65 and 66

Porta-Vet Industries, Inc., will be exhibiting the deluxe full-sized mobile clinic as well as the all new economy-sized unit designed, engineered and priced to satisfy the demands of today's busy practitioner.

**Rachelle Laboratories, Inc.**

700 Henry Ford Ave., Long Beach, CA 90801  
Booth 4

Booth will feature display of oxytetracycline, 50mg. and 100mg., chloramphenicol, oral and capsule and I.V., I.M. injection, Tetrachel, Vetquamycin soluble powder and capsules.

**W. B. Saunders Co.**

W. Washington Sq., Philadelphia, PA 19105  
Booth 30

Saunders will have on display an up-to-date selection of their veterinary books by authors who are internationally recognized authorities. Do stop and visit with our representative.

**Schering Corporation**

Galloping Hill Rd., Kenilworth, NJ 07033  
Booth 5

Schering invites all members and guests of the convention to visit our exhibit. Professional service representatives will be on hand to answer specific questions about Naquasone® as well as other outstanding products in the Schering line.

**Shank's Machine Co., Inc.**

1704 E. 18th St., Sterling, IL 61081  
Booth 46

Showing foot trimming equipment, M&M cattle sling and Douglas Tilt-Master tables for foot trimming and bovine surgery.

**3M Animal Care Products**

3M Center, Bldg. 223-3-S, St. Paul, MN 55101  
Booth 45

We are pleased to introduce 3M Brand Teat Shield. Teat Shield is a revolutionary mastitis preventer that forms a physical barrier over the teat canal to completely eliminate the invasion of mastitis-causing organisms—even coliforms. If you have a problem herd, be sure to stop by our booth for details and literature.

**Tutag Pharmaceuticals**

2599 W. Midway Blvd., Broomfield, CO 80020  
Booth 52

The Tutag Company will be exhibiting their line of ethical pharmaceuticals. Please stop by our booth and discuss with our representatives those products that may be of interest to you.

**The Upjohn Co.**

Dept. 9510-190-1, 7000 Portage Rd.  
Kalamazoo, MI 49001 Booth 34

Welcome to the 1978 AABP convention and welcome to The Upjohn Company veterinary products exhibit. Our representatives are on hand to discuss with you The Strong Red Line of Upjohn veterinary products and how they can be used in your health-care programs. Detailed information on these products is also available for your use. We look forward to seeing you.

**Veterinary Concepts, Inc.**

201 McKay Ave., Spring Valley, WI 54767  
Booth 51

Veterinary Concepts, Inc., will be displaying various disposable supply products for the veterinary profession. Among the products are VCI's foil-packed products such as the Wright's Stain Speed-Pak, Adhesive Tape Remover, Room Deodorant Pads, and Alcohol Preps. The squeeze-jet manufactured by VCI has many uses in the profession. VCI will be introducing the polymer film packet as an alternative to gelatin capsules.

**Vita Vet Labs, Inc.**

Box 587, Marion, IN 46952  
Booth 50

In addition to our complete line of nutritional products, we will have two new veterinarian devices on display: a veterinary blood pressure device for all animals and a birth detector. The birth detector announces birth via radio waves up to ten miles distance, to a pocket-size receiver.

# Convention Headquarters



Baltimore's newest hotel, located in the \$130 million Charles Center, is the Baltimore Hilton in the heart of the revitalized downtown area.

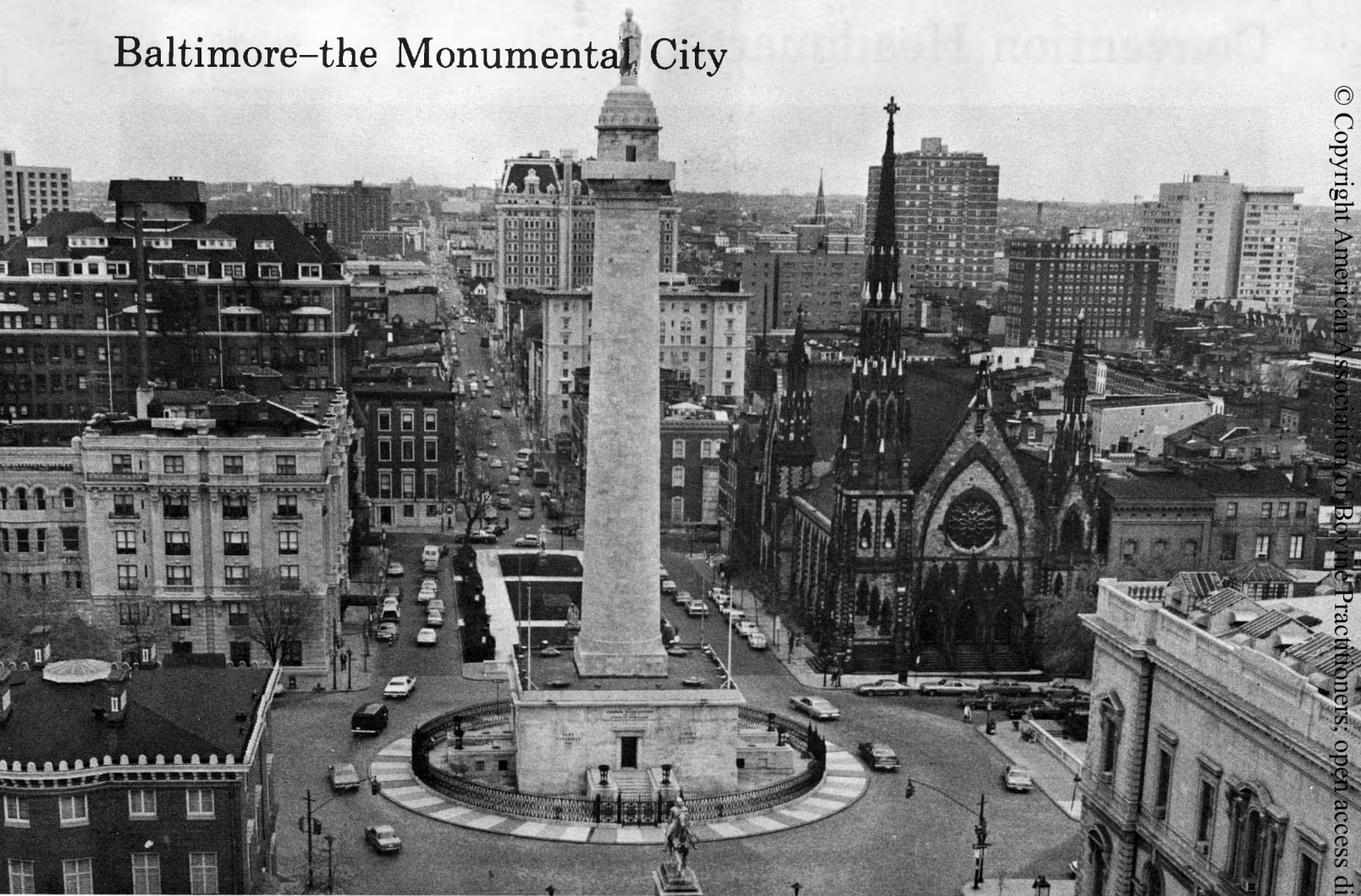
Featuring 350 spacious guest rooms, nationally renowned Miller Bros. Restaurant, swimming pool, free parking, car rental, meeting and banquet facilities for up to 400 people, the hotel is located across the street from the Mechanic Theater and the Civic Center, 15 minutes from Friendship Airport and eight minutes from Pennsylvania Station. The new Executive Tower of the Baltimore Hilton-Charles Center completes a hotel designed to serve every foreseeable and some not-so-foreseeable purposes. An

additional 350 guest rooms are located in the new tower, giving the hotel a total of 700 rooms. On top of the new Executive Tower is Baltimore's highest night spot, the Baltimore Aviation Lounge, featuring a spectacular view of Baltimore and an aviation motif, including the largest globe in any night club in Maryland.

The Baltimore Hilton furnishes downtown Baltimore with a glittering symbol of its renaissance. Call or write the Baltimore Hilton, 101 West Fayette St., Baltimore, Maryland 21201. Tel. No. (301) 752-1100.



## Baltimore—the Monumental City



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**Baltimore Renaissance:** Baltimore's appeal lies in its old-world charm and tradition, which is not only being preserved, but verily enhanced by a carefully-planned renaissance occurring throughout the city. The dramatic modernization program is perhaps best symbolized by the spectacular rebirth of the central business district, which began with the dazzling Charles Center project and is now forging a transformation of the historic Inner Harbor where the city was founded in 1729. Rising along the shores, on the doorstep of downtown, are significant new office buildings, apartments, 500-room hotel and other major structures, while by the water's edge are parks, promenades and a host of recreational and tourist attractions including the Maryland Science Center and planetarium, Frigate Constellation and tour boats for harbor and bay cruises.

The imaginatively-conceived Charles Center complex of new office and apartment towers, smart boutiques, topflight restaurants and outdoor cafes, hotels and legitimate theatre, underground parking garages, upper-level walkways and spacious European-style plazas has produced a variety of new downtown sights and adventures. Charles Center is one of the most desirable convention sites on the East

Coast, with modern hotels providing a concentration of more than 1,500 guest rooms, full banquet and meetings facilities. Hotels are conveniently linked by pedestrian bridges with the Civic Center which has a 13,000-seat auditorium, 86,000 square feet of exhibit space, rooms for meetings and dining functions.

A short walk from Charles Center along the pleasant new Lexington Mall brings one to the hub of Baltimore's retail district—a shopper's paradise with five major department stores: Hutzler's, Hochschild-Kohn, Stewart's, Hecht Company and Brager-Gutman's. Beyond lies the bustling Lexington Market—a colorful sight to behold—which has been in continuous operation since 1782. Known for the freshness of their produce, the stalls are chock-a-block with just about every type of food imaginable. Conventional retailing gives way to Antique Row several blocks to the north. Here among the many shops arrayed door-to-door can be found most everything from gifts, bric-a-brac and collectors' items to old sterling silver, antique jewelry and Early American furniture.

**Living American History:** The nation's history can be relived by visiting Baltimore's extensive treasury of historical attractions. Foremost is the birthplace of

"The Star-Spangled Banner," Fort McHenry National Monument and Historic Shrine where a small but courageous garrison repulsed a British sea bombardment in a stirring battle of the War of 1812, often referred to as the Second War for Independence. Francis Scott Key, a Maryland lawyer who had gone to the fleet to seek release of a friend, saw "by the dawn's early light" at the conclusion of the battle that "our flag was still there." Swelled with pride, he put down on paper those moving lines which were set to music and became our national anthem. The giant 15-star flag which inspired Key was sewn by Mary Pickersgill, whose home on East Pratt Street, the Flag House, is a museum of that period.

Just a short walk away is the Carroll Mansion, the residence of Charles Carroll of Carrollton, patriot and signer of the Declaration of Independence, which is a museum appointed in the styles of 1820-1840, and the 234-foot high Shot Tower, erected in 1828 for the production of lead shot. The city's oldest house and only pre-Revolutionary mansion, Mount Clare, was built in 1754 and is in Carroll Park. It is known for the beauty of its Georgian lines and the elegance of its Eighteenth Century furnishings.

The city's seafaring tradition comes to life in the Inner Harbor where the majestic Frigate Constellation welcomes visitors to roam above and below her decks. The first commissioned warship of the U.S. Navy and the world's oldest ship continuously afloat, the Constellation was launched from Baltimore in 1797 and served with distinction until 1945. Berthed nearby is an authentic Chesapeake Bay oystering skipjack, the Minnie V, which is one of the few remaining from the nation's oldest fleet of sail-driven work boats, and the U.S. Submarine Torsk, scourge of Japanese shipping during World War II. And at the foot of Broadway is colorful Fells Point, an eighteenth century shipbuilding center that retains its nautical character and colonial charm with picturesque houses, shops and bistros.

**Cultural and Educational Legacies:** A full history of early Baltimore is gathered into an outstanding collection of lithographs, photographs, paintings, artifacts and furniture in the Peale Museum, oldest museum building in the country. The original manuscript of "The Star-Spangled Banner" is on view at the Maryland Historical Society, along with a vast store of American writings and art, a maritime collection and a Young People's Museum. The Walters Art Gallery is recognized for its archaeological art-Near Eastern and Classical artifacts-and excellent works from Medieval Europe. Not to be missed is the Baltimore Museum of Art which is known throughout the art world for its famous Cone Collection of nineteenth and early twentieth century paintings, many by Matisse and Picasso. The museum displays works by the old masters, sculpture, contemporary art and fine period furniture. Pause during your visit for luncheon or refreshments in the cozy cafe. The museum also operates a Downtown Gallery for office workers and

shoppers. And the Enoch Pratt Free Library, with more than two million volumes, is the one public library resource center for the entire state and one of the most complete repositories in the country.

Baltimore is an international center of medical research and higher education led by the world-renowned Johns Hopkins Medical Center's hospital, medical school and other institutions and the University of Maryland's hospital, medical, law and other professional schools. Its downtown campus contains the oldest medical school building in the country, Davidge Hall. Among the major public and private colleges and universities are Johns Hopkins University, Towson State, Morgan State, University of Baltimore, University of Maryland at Baltimore County, Loyola College, Goucher, Notre Dame, Maryland Institute of Art and Peabody Conservatory of Music. There are also two-year community colleges.

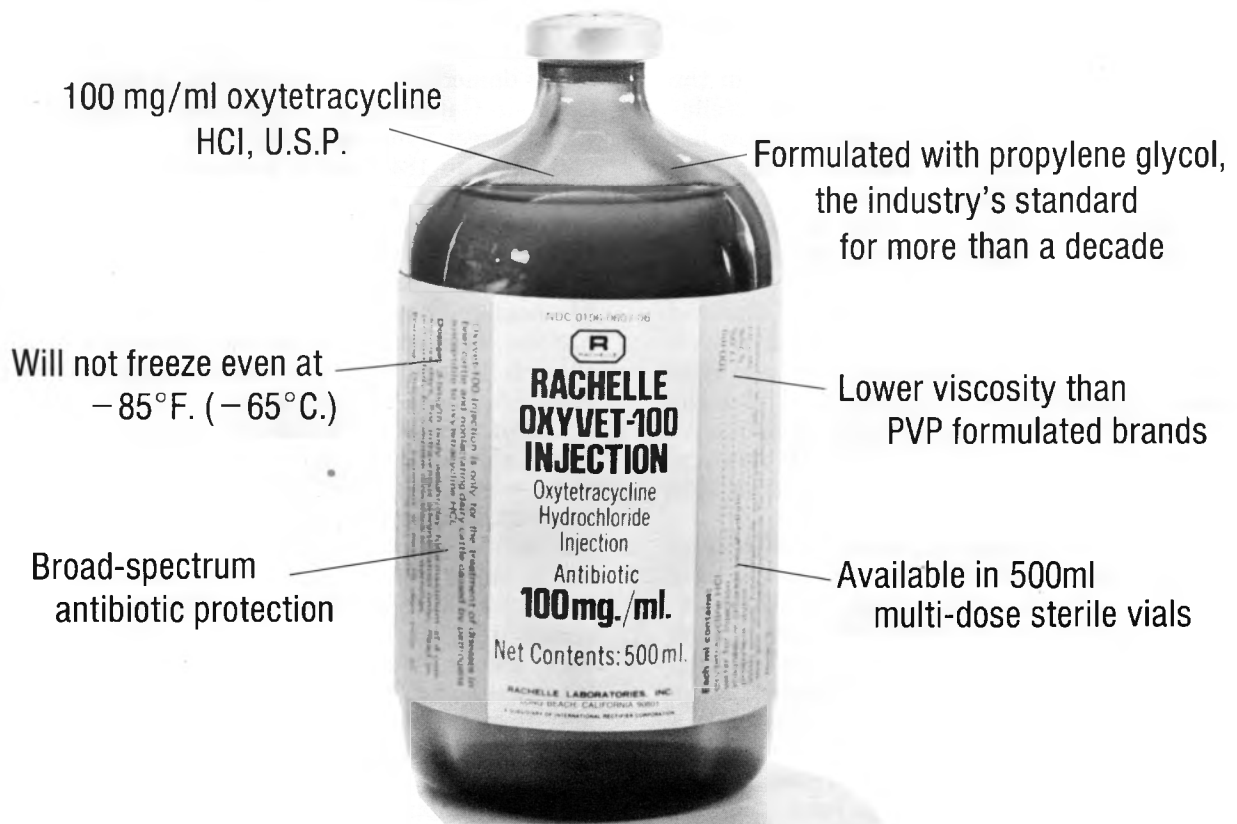
**Religious Heritage:** The Maryland colony, known as the Free State, was founded on religious freedom, and Baltimore contains many historic as well as architecturally-important church buildings. The Basilica of the Assumption, begun in 1806 and noted for its domed and vaulted interior, is the first Roman Catholic Cathedral in the United States, while the Lloyd Street Synagogue, the third oldest in the country, dates to 1845 and is maintained as a museum. The Otterbein United Methodist Church, built in 1785 and the city's oldest, is the site where both the Church of the United Brethren in Christ and the First Methodist Church were formed. Lovely Lane Methodist Church houses a museum of Methodist history. Also prominent is Old St. Paul's Episcopal Church. In fact, most Protestant denominations have very significant edifices here.

**Distinctive Neighborhoods:** Perhaps Baltimore's most unique characteristic is its community of more than a hundred neighborhoods, each with its own identity. Many reveal a strong pride in ethnic origins and inherited cultures. Well known to visitors are the city's oldest streets lined with unbroken rows of houses, with their white steps kept as spotless as in earlier days when they were occupied by the legendary Edgar Allan Poe, H.L. Mencken, F. Scott Fitzgerald and Babe Ruth. Their houses still stand and most are open to the public. To fully appreciate the city's diversity, visits should be made to neighborhoods like stately Bolton Hill with its late 1860's townhouses and churches; arty Tyson Street, quaint Seton Hill and serene Federal Hill atop the Inner Harbor, with the best scenic overlook of the city—all undergoing extensive restoration. And there is Mt. Vernon Place with its splendid houses and institutions built along formal squares that extend from the nation's first monument to George Washington. A Registered National Historic Landmark, the area is considered one of the finest urban open spaces in the country.

This information was provided by the Baltimore Promotion Council, Inc.

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# In The News

**Dr. Harold E. Amstutz** (pictured at left) is the 1978 recipient of the Borden Award for outstanding research contribution to dairy cattle disease control. The Award consists of a medallion plaque and \$1,000. Dr. Amstutz is the Secretary-Treasurer of the AABP and is President, World Association for Buiatrics. He received the D.V.M. degree from the Ohio State University in 1945. Following military service and private practice he returned to OSU in 1947 where he later became Chairman of the Department of Veterinary Medicine. In 1961 he joined the faculty of Purdue University and is presently professor, Department of Large Animal Medicine and Surgery.

Dr. Amstutz has published over 30 articles and has contributed several chapters to current textbooks on bovine medicine and surgery. He is a frequent lecturer at state, national and international cattle disease conferences. Dr. Amstutz is a charter member and past-president, American College of Veterinary Internal Medicine.

**Dr. Vernon L. Tharp** was installed as president of the American Veterinary Medical Association during the Dallas convention in July. Dr. Tharp is Associate Dean of the Ohio State University College of Veterinary Medicine and a past-president, AABP and the Ohio VMA. He has also served as secretary-treasurer of the American Association of Veterinary Clinicians and completed a five-year term on the AVMA Council on Education.

**Dr. Leland C. Allenstein**, Whitewater, Wisconsin, received the Stange Award of the Iowa State University College of Veterinary Medicine on June 3, 1978. The award is presented to an alumnus for meritorious service in education, government, industry, practice or other veterinary-related endeavors.

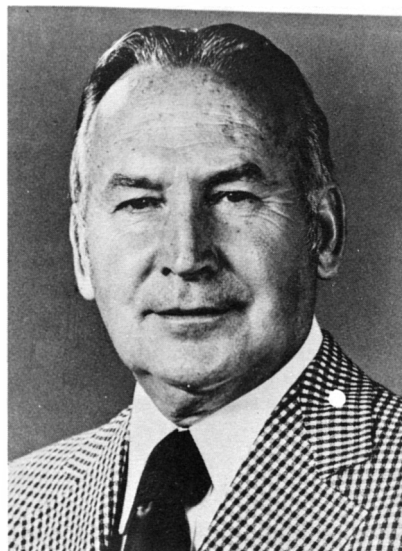
Born in Lamont, Iowa, Dr. Allenstein received the D.V.M. degree from Iowa State University in 1950. He has a group practice in Whitewater, Wisconsin. In 1973 he was named Wisconsin veterinarian of the year. Dr. Allenstein writes a cowside practice column for *Hoard's Dairyman*. He is a past-president of the AABP and is currently the advertising manager, and delegate to the AVMA House of Delegates.

(See page 142.)

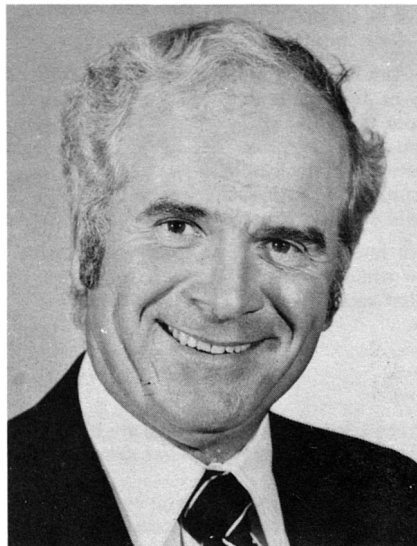
**Dr. Dennis J. Carr**, Montfort, Wisconsin, was elected chairman of the AVMA Executive Board for 1978-79 during the Dallas convention. A native of Iowa, Dr. Carr entered private practice in Montfort shortly after receiving the D.V.M. degree from Iowa State in 1956. His practice is predominantly dairy cattle. He is a past-president of Wisconsin VMA and has served a 5-year term on the Wisconsin Veterinary Examining Board. Dr. Carr is an active member of the AABP.



*Dr. Harold E. Amstutz*



*Dr. Vernon L. Tharp*



*Dr. Dennis L. Carr*