

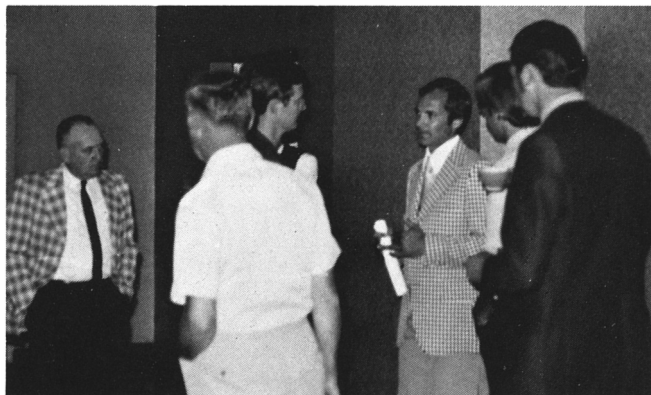
District News

District 2

On June 12 and 13, 1976, the District 2 Seminar was held at the Holiday Inn in Frederick, Maryland. The subject was "Etiology and Diagnosis of Abortive Diseases in Cattle." The speakers were Glenn F. Hoffsis, D.V.M., M.S., and Walter R. Threlfall, D.V.M., Ph.D., of the Ohio State University. There was an attendance of thirty-five (35) veterinarians and four (4) students. The speakers were rated excellent by the members that were in attendance.

The seminar was financially self-supporting and we are looking forward to the 1977 District 2 Seminar.

Jack E. Shanks, D.V.M.
District 2 Director



Dr. Hoffsis (center) with some of the participants.



Dr. Threlfall at the podium.

District 1 and 12

District 1 and 12 combined to sponsor a seminar in Syracuse, New York, on June 9, 1976. Dr. Fred Troutt, Virginia Polytechnic Institute and State University, spent six hours on "Is a Cow Now a Ruminant?" Fred has a wealth of information interspersed with a sense of humor that made an excellent presentation. Seventy-nine veterinarians and three students were in attendance.

The next morning the New York and Ontario Associations sponsored the Eastern International Veterinary Clinic. This consisted of 3½ hours of excellent clinical demonstrations on live cattle and goats at the arena in the New York State Fairgrounds. This was the third year for the E.I.V.C.

Both of these meetings are annual events.

Sam Hutchins, III, D.V.M.
District 1 Director

District 7

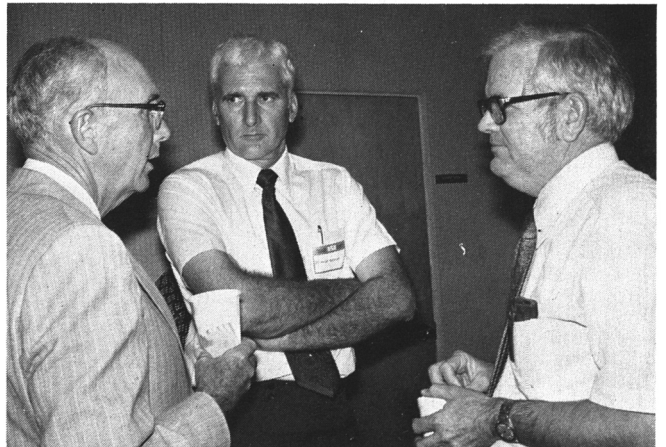
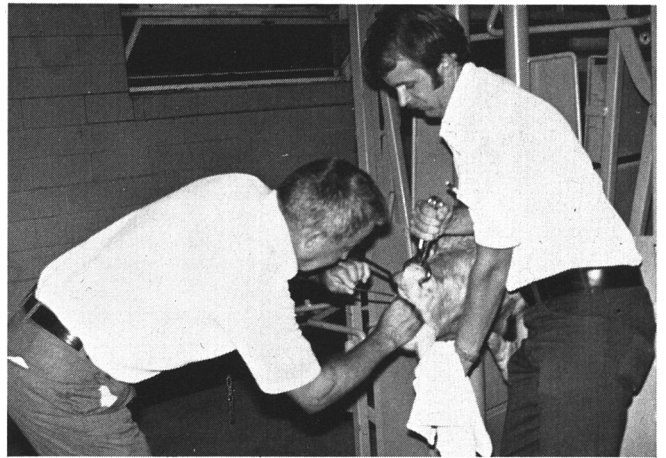
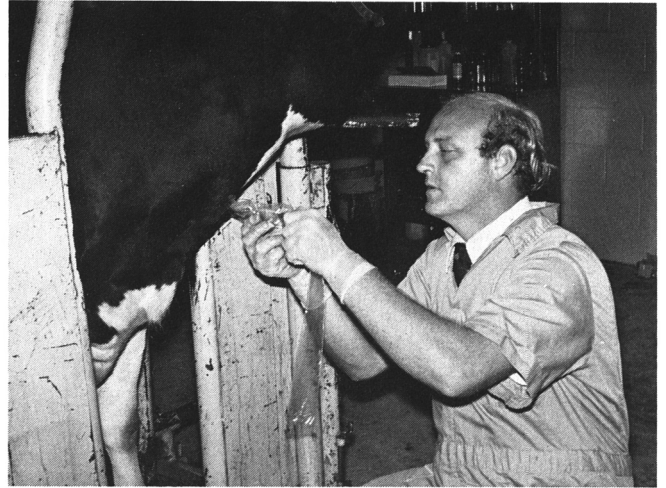
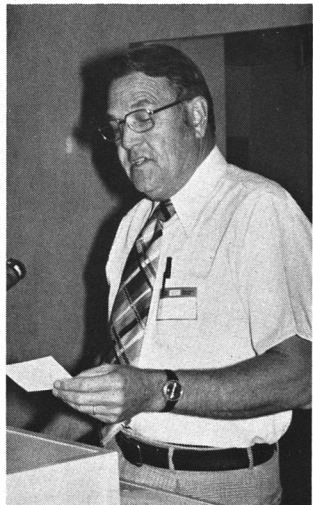
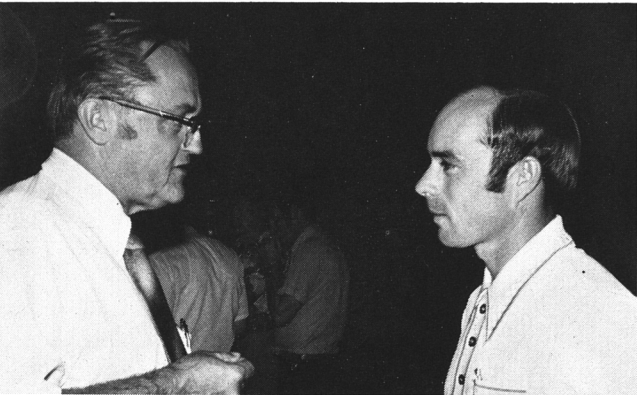
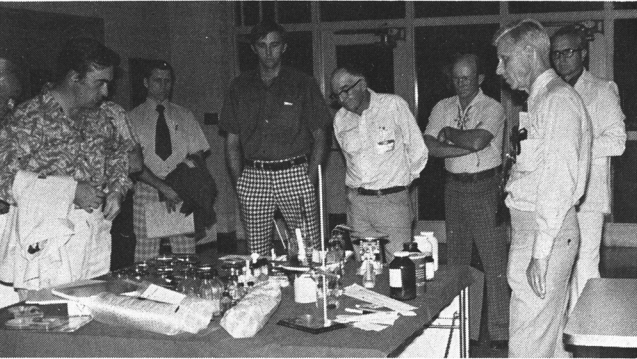
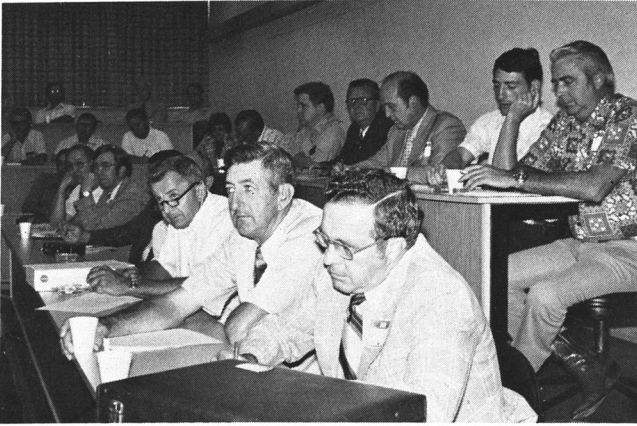
Conference for Veterinarians

Veterinarians from Oklahoma, Kansas, Missouri, Texas and Arkansas attended a Conference for Veterinarians at the Student Union of Oklahoma State University on August 27-28, 1976. The conference was sponsored by AABP District 7, the College of Veterinary Medicine and University Extension, Oklahoma State University. The program theme was "Bovine Respiratory Problems."

On Thursday evening, August 27, following the social hour and buffet, the following table topics were presented at the College of Veterinary Medicine: bovine general anesthesia (video taped), a technique for transtracheal washings for diagnostic purposes, tracheal swabbing technique and clinical culturing techniques made simple.

Dr. Leland Allenstein, Whitewater, Wisconsin, president of the AABP, and Dr. William E. Brock, dean, welcomed the participants. The conference ended with a tour of the Oklahoma Animal Disease Diagnostic Laboratory.





**District 11
L.M. Koger, D.V.M., Director
AABP District 11 Seminar and 66th Annual
Meeting of the Montana V.M.A.
June 23-26, 1976, at Fairmont Hot Springs**

Dr. C. J. Ferreira, Cottonwood, California:
Recommends leasing in order to remain flexible
and adaptable to changing times.
In selenium-responsive areas, routine injections are

given to: a. newborn calves plus injectable Vit A.; b. chronic diarrhea, and repeat in 10 days; c. before an animal is placed on feed; and d. preparturient cows.

Gets good results with some company's autogenous wart vaccine if inoculated locally and repeated up to three times.

Urges concern for the genetic consequences of crooked weak toes in purebred breeding cattle.

During examination of breeding bulls, measuring the scrotum is insurance against missing a one-testicle bull.

Dr. C. L. Lippincott, Los Angeles, California:

Recommends radio-opaque Penrose drains.

Uses Michel suture clips to secure drapes to operation sites.

Tupperware refrigerator trays that can be autoclaved make good instrument packs.

Sterilized gentian violet solutions in mucocoeles or fistulous tracts as a guide for surgical excision.

Dr. W. L. Anderson, Fort Worth, Texas:

Tresaderm has been effective against habronemiasis.

A pit or pits in the floor of the equine surgery room can provide similar access to that of the more expensive hydraulic table.

Dr. R. M. Miller:

Although this tip may be repetitious to some, Dr. Miller is very enthusiastic about the use of Rompun and Ketamine for a short anesthetic (10 minutes) in the horse. After a preferred dose of Rompun (probably 0.5 - 1.0 mg/lb.) takes effect (2-4 minutes), give rapidly intravenously 0.8-1.0 mg/lb. of body weight of Ketamine. In about two minutes the horse settles back on his rump in a very smooth induction. If the eyes are covered and loud noises avoided, recovery is equally smooth.

For rectal examination of sensitive animals, 15 cc of lidocaine in 8 oz. of liquid lubricant will cause almost instant relaxation of straining. "Tint and Toner" squirt bottles are handy containers.

Among many suggestions for better communication within a group practice are: a. short-term bulletin board for memos to all members which are taken down when initiated by all; b. long-term bulletin board for needed equipment, action, etc.; and c. desk spindle for notes between individuals.

To hold a foal with one hand, place your belt loosely around his neck through which your arm is inserted to grasp its elevated tail.

Dr. Carter Guptill, Puyallup, Washington:

Twenty cc's of ADE routinely included in the treatment of milk fevers has improved his results.

Drs. Schott and Leeds, Belt, Montana:
Two loading chutes—one wide and one narrow—have proven very useful at their clinic.

Dr. Wayne Martin, Great Falls, Montana:
When treating "seeing-eye" dogs, always have the working collar removed before manipulation.

Business Management

1. Drs. Morse and Moser, Hood River, Oregon, recommend a fireproof safe for current business records. Anyone who may have had an office fire can second that suggestion. In new construction or remodeling, you might want to build it into the receptionist's desk. Unfinished units are available at reasonable cost.
2. An attache-case telephone from Car-Tel, Livermore, California, is a great help to Dr. K. Salzieder, Toledo, Washington.
3. Factory installed propane engines in his pickups save up to 40% of operational costs plus smoother performance and less pollution for Dr. Carl Aschoff, Boring, Oregon. Dr. R. H. Anderson, Dallas, Oregon, has a LUV pickup similarly equipped and affectionately regarded.
4. Blacktop pavement all around the Forest Grove (Ore.) Veterinary Clinic is very neat, clean and convenient, as well as eliminating the lawn mower.
5. The client's view down the central hallway of the Roseburg (Ore.) Animal Hospital from the waiting room is obstructed by the extension of side walls into the hallway, but open-ended rooms permit the veterinarian maximum monitoring of rooms across the hall.
6. The AAHA planning calendar is posted in a convenient place in the George F. Reid Veterinary Hospital, Albany, Oregon, graphically revealing at a glance the duty and vacation schedules.
7. The secret of satisfactory Torginol floors, in the experience of Dr. Bruce Rankin, Salem, Oregon, is a good hard surface particle board base.
8. From Dr. B. D. Kuhl, Baker, Oregon, comes the suggestion that last year's PDR, often discarded by MD friends, may serve your purpose nearly as well as a new one.

In obstetrical work, to determine whether the fetus is alive or dead, he palpates the umbilical cord for pulsation.

Even though the bolus may be quickly flushed out, he figures it a good investment to go back in with an intrauterine bolus after a delivery to be sure there isn't a twin or something.

Various Procedures

1. In bovine keratitis, Dr. H. C. Morse of Hood River, Oregon, pulls the nictitating membrane up under the lateral canthus with two mattress sutures through the skin laterally and dorsally, permitting

easy treatment with ointments.

2. Layers of newspapers rolled around an extremity and taped tightly have worked well as temporary splints with surprising strength for Dr. E. E. Heindselman and Langendoen, Washougal, Washington.
3. For boar castrations, Dr. Roger Gardner, Castle Rock, Washington, injects a reasonable amount of Beuthanasia intratesticularly, operating as soon as sedation permits.
4. To correct torsions of the uterus in the cow, Drs. L. V. Gallagher and R. H. Peterson, Tillamook, Oregon, use a small laparotomy (just large enough for the arm) - either direction, go down, lift up and over.
5. During the first 60 days after claving, Dr. Dale Sayles, Tillamook, Oregon, finds 90% of his heavy milking cows are anemic. Three weekly treatments of 20 cc of injectable iron (10 cc per site) have most cows cycling. Injectable B complex may be added. He gives a 22% protein feed to his heavy producers at the rate of 1 pound per 5 pounds of milk.

For retained placentae:

Quadrisol (Tri-Co)	1/2 gal.
Tetracycline Soluble Powder (Pfizer) ...	5 grams
Neoprontosil	250 cc
V-Estrovarin (Estrone)	5 cc
Ethyl alcohol 95%	500 cc
H ₂ O q.s.	1 gal.

Use gallon plastic jug with 1 oz. pump, 2 ft. of plastic tubing and disposable plastic equine AI pipette (9 mm OD x 22"). Thread through cervix and deep into uterus. Pump 15 strokes (oz.) on second day following calving; repeat at 48 hours until membranes fall away and once afterward.

6. Following difficult obstetrical deliveries, particularly in heifers, Dr. R. C. Storey, Molalla, Oregon, routinely fills the vagina with ice cubes to minimize swelling and nerve injury. An autogenous *Moraxella* vaccine made by Willamette Animal Laboratories, Tualatin, Oregon, appears to be effective both prophylactically and therapeutically. They also prepare a *Pasteurella multocida* bacterium in which he has confidence.
7. Routinely, to overcome eyelid movement before proptosis or manipulation of the eye, Dr. Sam Morgan, Enterprise, Oregon, injects 5-10 cc of local anesthetic solution near the auricular-palpebral nerve over the zygomatic arch about midway between the eye and the base of the ear.
He has found that in catheterizing tomcats, that if he will grasp the dorsal frenulum of the prepuce and pull the penis dorsally and caudally until the urethra is positioned in a straight line to the bladder, a small metal catheter may be passed easily.

Drugs and Biologicals

1. Slotted egg spaces in the door of a refrigerator are used to store small vials, upside down and ready

for withdrawal, by Dr. Rich Long, Colfax, Washington.

2. Veterinarians at the Vancouver (Washington) Veterinary Hospital use the tail vein for Rompam, reducing the dose to 1/2 to 3/4 cc for average cows.
3. Suspected cases of tansy ragwort poisoning are treated orally with approximately one-half pound of sugar and massive doses of Vitamin C. Dr. S. Carter, Gresham, Oregon, credits Dr. Brent Milleson, Wilsonville, Oregon, for the idea.
4. Nutritional supplementation for anestrus in dairy cows: 2 Tbsp. Proleen (Diamond) in the feed. - Drs. R. E. Coon and J. R. Minor, Forest Grove, Oregon.
5. Dr. D. Barbee, Cloverdale, Oregon, would like to learn of effective therapy for *Muellerius capillaris* in goats?
6. A small (shirt-pocket-size) standardized form listing drugs used or dispensed, with route of administration and withdrawal time for both milk and meat is left by Dr. Dale Sayles, Tillamook, Oregon.
7. For a multi-purpose wound dressing, remove 1/4 of a jar of Furacin dressing and replace with DMSO, mixing well. For exuberant granulation, cover with a pressure wrap.
For the relief of founder in its several manifestations, add 4-6 oz. of DMSO to a liter of Ringer's Sol. and give IV rapidly.
For burn treatment, dilute DMSO to 30-50% with water, furacin, etc.
On bowed tendons, use 90% DMSO.
Good results have followed the use of autogenous ringworm injections from Willamette Animal Laboratory, Tualatin, Oregon. - Dr. R. H. Anderson, Dallas, Oregon.
8. An old tip still effective. If the owner will thickly sprinkle granulated sugar on a prolapsed uterus and cover it with clean cloth, the veterinarian on arrival will find it easier to clean, smaller in size, and easier to replace. Evidence suggests that involution is benefited.
One layer of Versa towel over raw wounds helps to prevent bandages sticking. - Dr. Gene Webb, Dallas, Oregon.
9. For herds with a high incidence of milk fever, Morton's high phosphorus (15%) low calcium (1%) is prescribed selectively by Dr. M. L. Harms, Canby, Oregon.
10. Lomotil, Searle, (diphenoxylate hcl) 2.5 mg tablets have proven very effective symptomatically in calf scours; repeated at 8 hr intervals as necessary, and reduced as soon as possible to avoid constipation. Wrapping the small tablet in a wisp of paper towel or tissue expedites handling and administration. - Dr. Sally Calkins, Spokane, Washington.

Large Animal Equipment

1. Military surplus cot mattresses secured uprightly around the walls of their equine recovery stall are appreciated at Dr. T. L. Brown's Columbia Veterinary Center, Vancouver, Washington.
2. An obstetrical aide belt of wide nylon webbing with metal grab hooks on either side permits Dr. C. C. Rosecrans, Cottage Grove, Oregon, to keep tension on the chains while his hands are free for manipulation of the fetus. Very useful when in close quarters or alone.
3. A steel tray with folding legs about 6" high to lift the prolapsed uterus of a recumbent cow up off the ground facilitates cleaning and replacement. - Dr. Glen Schwenke, Woodburn, Oregon.

Philosophy

1. Dr. Don Ferguson, Pasco, Washington, advises keeping a good old car, especially if it is comfortable and has lots of space.
2. Stereo music, 24 hours a day, is a feature of the Town and Country Animal Clinic, Cottage Grove, Oregon.
3. A glass-fronted "ecology box," displaying local grains and products in its several compartments, complements the attractive waiting room of Dr. J. Groupe's Riverside Veterinary Clinic, Pendleton, Oregon.

Miscellaneous

1. Reverse and reroll Labels Unlimited; replace in box; place behind typewriter with enough looped slack for carriage movement. - Orchard Hills Veterinary Clinic, Washougal, Washington.
2. To try to keep ahead of client's questions, Dr. E. E. Heindselman subscribes to the American Dairy Goat Journal.
3. In the new Longview, Washington, Veterinary Medical Center of Drs. R. Mitchell and M. Betts, glass sliding doors in front of surgical recovery cages permit control of temperature, ventilation, oxygen, and sound. Their location permits maximum observation.
4. Sears tool boxes for ambulatory cases are liked by Dr. R. H. Anderson, Dallas, Oregon.
5. To deodorize dogs that have been too close to a skunk, bathe with Micrin mouthwash. - Dr. C. C. Rosecrans, Cottage Grove, Oregon.
6. In the reception area of the Roseburg, Oregon, Bailey Veterinary Clinic, glass doors of a built-in refrigerator display biologicals, etc. One end of the refrigerator extends through the wall and over the end of the table in Exam Room No. 1, making refrigerated items available within arm's reach. Sterile disposable needles permit the day-long use of a single syringe for each product, positively identifying it by replacing it in a needle in that particular product. The compressor is located in

the basement immediately below; the installation was described as comparatively inexpensive.

A local photographer displays his wares of animal pictures on the walls of the waiting room, identified by a small brass plate.

7. A milking machine in the utility room of the Blue Cross Animal Hospital, Eugene, Oregon, provides vacuum lines wherever needed with connecting adapters for sterile catheters of various sizes. In addition to the obvious removal of fluids from operative situations are ingenious applications, such as removing grass awns from dog's noses, etc. The cabinet doors below his counters do not have handles sticking out; they are smooth and easy to clean; spring loaded catches function from a bump by the knee. - Dr. S. Aasen, Eugene, Oregon.
8. Two examination rooms share a common back wall, counter, sink and drug cabinets. An open doorway in front of the sink provides access between, but the dividing wall preserves relative privacy for each. Slanted shelf racks about 10" deep nest gallon jugs yielding a maximum of convenient storage in a minimum of space. - Dr. L. Mullarkey, Q St. Animal Hospital, Springfield, Oregon.
9. Long handled "Cat-Shur" forceps made by Alexander Shaw Corp., Wellesley, Massachusetts, can safely and humanely remove reluctant, hostile cats from their cages. - Dr. Jackson Minar, Burns, Oregon.

Index of Advertisers

Abbott Laboratories	20 and 21
Affiliated Laboratories	29 and 101
American Cyanamid	61
Beecham Laboratories	85
Burns-Biotec	5
Diamond Laboratories, Inc.	106 and 107
Elanco	Back Cover
Fort Dodge	53
Haver-Lockhart	108 and 109
Lea and Febiger	80
Merck	43
Norden Labs	9 and 23
Pitman-Moore	Inside Back Cover
Ritchey	27
Roche	14 and 15
Schering	69
Upjohn	37

9th Annual Conference

American Association of Bovine Practitioners
December 8-11, 1976
San Francisco Hilton

Theme: "Veterinary Medicine and Agriculture 1976 and Beyond"

Pre-Convention Seminars

Seminar I - Production of Quality Milk

Dec. 5-6-7, 8:00 a.m. - 5:00 p.m. - Cypress Room

Arranged by American Association of Bovine Practitioners.

Chairman: Dr. James Jarrett, Rome, Georgia

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

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

Bacteriology-Culturing Procedure and Laboratory
Techniques: Dr. Nelson Philpot, Homer, Louisiana

Quality Milk Production; Off Flavors; Ropy Milk; Bacteria
Count: George Perlmutter, Los Angeles, California

Ranch Trip to Check Milking Equipment

(Preregistration required. Registration fee \$250. Limited to
first 20 registrants.)

Seminar II - Contemporary Bovine Immunology in Health and Disease

Dec. 8, 10:00 a.m. - 1:00 p.m., 2:00 p.m. - 5:00 p.m.,
Cabrillo

Donald W. Johnson, D.V.M., Ph.D. and Charles C.
Muscoplat, Ph.D.

1. Description of normal immune system as comprised of cellular immune components and humoral or antibody components - how the system functions in both health and disease.
2. Relate the functional immune response to induction of disease resistance by vaccination and natural disease.
3. Disease processes produced by abnormal responses of the immune system.
4. Immuno-therapy of viral diseases.

The scientific information will be elaborated by description of clinical cases and the therapy of these cases.

(Preregistration required. Registration fee \$30. Limited to
first 50 registrants.)

Seminar III - Confinement Housing - Ventilating for Animal Health and Preventive Medicine

Dec. 8, 10:00 a.m. - 1:00 p.m., 2:00 p.m. - 5:00 p.m.,
Diablo Room

Arranged by American Association of Bovine Practitioners.

Discussion of Proper Air Flow for Health; Use of Model
Demonstration and Film to Show Proper Air Movement:
Professor Donald W. Bates, St. Paul, Minnesota

Epidemiology of Disease in Confinement Housing,
Economics of Disease Control and Examples of Specific
Case Histories of Confinement Diseases and Control: Dr.
John F. Anderson, Cannon Falls, Minnesota

(Registration required. Registration fee \$30. Limited to first
100 registrants.)

Seminar IV - Mycotoxin Effects - Sources - Testing

Dec. 8, 10:00 a.m. - 1:00 p.m., 2:00 p.m. - 5:00 p.m.,
Continental Ballroom 4

Arranged by the Academy of Veterinary Consultants.
Chairman: Dr. Ned Brown, Amarillo, Texas

Effects of Selected Mycotoxins on Cattle: Dr. W. W.
Carlton, Department of Veterinary Microbiology and
Pathology, Purdue University. Dr. A. C. Pier, Chief of
Bacteriology and Mycological Research Laboratories
NADL, Ames, Iowa

Important Sources of Mycotoxins in Cattle Feeds: Dr.
Ewind B. Lillehoj, NCR, NRRL, Peoria, Illinois

Testing for Mycotoxins in Cattle Feed: Dr. C. J. Mirocha,
Department of Plant Pathology, University of
Minnesota, St. Paul, Minnesota

(Preregistration required. Registration fee \$30. Limited to
150 registrants.)

Seminar V - Bovine Obstetrics

**Dec. 8, 10:00 a.m. - 1:00 p.m., 2:00 p.m. - 5:00 p.m.,
Balboa**

Arranged by the Society for Theriogenologists. *Chairman: Dr. John Simons, Torrington, Wyoming*

1. Delivery of the Large Fetus - Manual Extraction
2. Manipulative Obstetrics of the Abnormal Postured, Presented, and Positioned Fetus
3. Technique of Fetotomy: a. Complete Fetotomy; b. Anterior Fetotomy; c. Posterior Fetotomy

Presented by: Dr. Charles J. Bierschwal, Columbia, Mo., and Dr. Les Ball, Fort Collins, Colorado. Dr. Bierschwal and Dr. Ball have attended the Clinic on Veterinary Obstetrics and Gynecology at the College of Veterinary Medicine, University of Utrecht, The Netherlands. Clinic taught by C. H. W. de Bois, Director of Utrecht Clinic of Veterinary Obstetrics.

(Preregistration required. Registration fee \$30. Limited to first 60 registrants.)

Problem-Solving Exercises of Field Situations

Dec. 8, 8:00 p.m. - 10:00 p.m.

**A New Approach in Continuing Education
Problem Solving by Practitioners**

An interesting approach to the problems confronted by practitioners in feedlots, cow-calf herds and dairy herds. Sessions are specifically designed to approach animal health problems utilizing the concept of self-assessment and problem solving through audience participation.

Cow-Calf	<i>California Ballroom 7-8-9</i>
Dr. Warren Kilpatrick	
Feedlot	<i>California Ballroom 1-2-3</i>
Dr. John Herrick	
Dairy	<i>Imperial Room</i>
Dr. James Hanson	

PROGRAM

Thursday, December 9, 1976

Morning

General Scientific Session Continental Ballroom 4-5-6

*Chairman: Robert J. Harris
Turlock, California*

- 8:30 A.M. Opening Remarks - President of A.A.B.P. - Dr. Leland Allenstein
- 8:40 A.M. Remarks by President of AVMA - Dr. Harry Gorman
- 8:50 A.M. Announcements - Dr. Connor Jameson - Local Arrangement Chairman
- 9:00 A.M. Welcome to California - Senator Walter Stiern, D.V.M., Bakersfield, California
- 9:15 A.M. The Decade Ahead for Meat and Dairy Products - Mr. George L. Mehren, Advisor to Associated Milk

- Producers, Inc., and Rancher, San Antonio, Texas
- 10:00 A.M. Opportunities and Problems of International Meat and Milk Production - Mr. Walter Minger - Senior Vice President, Bank of America, San Francisco, California
- 10:45 A.M. Break
- 11:00 A.M. Opportunities and Problems of International Meat and Milk Production continued - Mr. Walter Minger
- 12:00 Noon to 2:00 P.M. - Lunch in Exhibit Area by ticket supplied to all paid registrants
- 12:00 Noon to 2:00 P.M. - Board of Directors Meeting and Luncheon: Cypress

Afternoon

**Imperial Room
Cow-Calf and Dairy Section Combined**

*Chairman: Dr. Robert Keith
Monroe, Wisconsin*

- 2:00 P.M. Effect of Repeat Treatments of Gonadotropin Releasing Hormone and Cows with Ovarian Follicular Cyst - Dr. Howard Whitmore, St. Paul, Minnesota
- 2:25 P.M. Update on Prostaglandins - Dr. W. Duane Michelsen, Pullman, Wn.
- 2:50 P.M. Use of the Fetotome in Bovine Obstetrics - Dr. C. J. Bierschwal, Columbia, Mo.
- 3:20 P.M. Response of the Fetus to Infection - Dr. John W. Kendrick, Davis, Ca.
- 4:00 P.M. Ultrasonic Treatment of Penile Hematoma in Bulls - Dr. Frank Bracken, Pullman, Wn.
- 4:20 P.M. Surgical Correction of Penile Hematoma in Bulls - Dr. Robert Hudson, Auburn, Ala.
- 4:40 P.M. Questions on Hematoma - Panel of Speakers

**Continental Ballroom 7-8-9
Feedlot Session**

Chairman: Dr. M. S. Silberman, Reynolds, Ga.

*Theme: Antibiotics, Their Actions and
Uses in the Feedlot.*

- 2:00 P.M. Antimicrobial Agents: Pharmacology - Dr. Thomas Powers, Columbus, Ohio
- 2:50 P.M. Optimal Antimicrobial Therapy in Feed Lot Practice - Dr. Charles Hjerpe, Davis, California
- 3:30 P.M. Antibiotic Levels in Sick versus Healthy Calves - Dr. Joe Clark, El Centro, California
- 4:10 P.M. FDA Regulations and the Food Animal Medicine Practitioner - Dr. Eldred E. Kerr, San Francisco, California

Evening

PRESIDENT'S WINE TASTING PARTY 5:30 - 7:00 P.M. Continental Ballroom 4-5-6

Wine tasting is an old custom in California, especially in the old vineyard country north of San Francisco. We invite all members, wives, speakers and exhibitors to be guests of President Lee Allenstein at a California Wine Tasting Par-

ty. Four wineries will treat you to their best and give you some interesting facts on wine tasting and wine making. French bread and cheese will be furnished for the interludes between tasting.

Friday, December 10, 1976

Morning

Continental Ballroom 4-5-6 General Session

Chairman: Dr. James Jarrett, Rome, Georgia.

- 8:30 A.M. Update on Johnes' Disease (Paratuberculosis) - Dr. Aubrey B. Larsen, Ames, Iowa
9:00 A.M. Update on National Brucellosis and Tuberculosis Eradication Programs - Dr. Claude Nelson, Hyattsville, Md.
9:30 A.M. Control of Salmonellosis in Calves - A Clinical Evaluation of Dry Cow Vaccination - Dr. Leon W. Weaver, Ontario, Ca.

- 9:50 A.M. Poisonous Plants in Harvested Feeds - Dr. Murray Fowler, Davis, Ca.
10:50 A.M. AABP Business Meeting - Continental Ballroom 4-5-6.
12:00 Noon to 2:00 P.M. Lunch in Exhibit Area by tickets supplied to all paid registrants.
12:00 Noon to 2:00 Board of Directors Meeting and Luncheon: Cypress

Afternoon

Imperial Room Dairy Session

Chairman: Dr. Floyd Koebel, Gustine, Ca.

- 2:00 P.M. Present Status of Bovine Leukemia - Dr. Gordon H. Theilen, Davis, Ca.
2:20 P.M. Adverse Drug Reactions in the Bovine Patient - Dr. Lloyd E. Davis, Fort Collins, Co.
3:20 P.M. 1. Current Information on Mycoplasma Mastitis;
2. A Back Flush System for Milking Machines - Dr. Robert B. Bushnell, Davis, Ca.
4:00 P.M. Clinical Approach to Herd Mastitis - Dr. Jack W. Morse, Turlock, Ca.

Continental Ballroom 7-8-9

Feedlot Session

Chairman: Dr. John K. Young, Millikins, Colo.

- 2:00 P.M. Micronutrients in My California Feedlot Practice - Dr. Jim Howard, Blythe, Ca.
2:40 P.M. Rumensin in the Ruminant - Dr. Edward Prigge, El Centro, Ca.
3:20 P.M. Acid Production in the Rumen - Newer Findings from Around the World - Dr. Franklin M. Loew, Saskatoon, Canada

- 4:00 P.M. Metabolic Profiles in Feed Lot Calves - Dr. Ben B. Norman, Davis, Ca.
4:30 P.M. Update on Rat Tail Syndrome - Dr. Dave Bechtol, Canyon, Tex.

Continental Ballroom 1-2-3

Cow Calf Session

Chairman: Dr. Joe Sexton, Sumner, Iowa

- 2:00 P.M. Clinical Experiences With Selenium - Dr. Jerry Harsch, Goldendale, Wn.
2:30 P.M. Selenium Requirements of Cattle and Means of Meeting Them - Dr. James Oldfield, Corvallis, Oregon
3:00 P.M. Questions
3:10 P.M. Bovine Neonatal Isoerythrolysis - Dr. Clyde J. Stormont, Davis, Ca.
3:30 P.M. Field Results of Anaplasmosis Vaccination Programs in Southeast Oklahoma - Dr. Paul Windsor, Coalgate, Oklahoma
3:50 P.M. Questions
4:00 P.M. Immunization of the Bull for Control of Vibriosis - Dr. John W. Kendrick, Davis, Ca.
4:30 P.M. Non-Surgical Fetal Transplant - Dr. Martin Drost, Davis, Ca.
4:50 P.M. Questions

Saturday, December 11, 1976

Morning

Continental Ballroom 4-5-6

General Session - Bovine Intestinal Tract - Large and Small

Chairman: Dr. Ben Norman, Davis, Ca.

- 8:30 A.M. Basic Structure, Function and Immunity of the Bovine Gut - Dr. Bradford P. Smith, Davis, Ca.
9:15 A.M. Infectious Diseases of Bovine Lower Gastrointestinal Tract and Immune Response - Dr. J. Robert Duncan, Ottawa, Ontario
10:15 A.M. Pathophysiology of Lower G. I. Tract Problems

- in the Bovine - Dr. Robert H. Whitlock, Athens, Georgia
11:15 A.M. Panel - 5-minute comments, each:
Dr. Otto Radostits, Saskatoon, Saskatchewan, Canada
Dr. Franklin M. Lowe, Saskatoon, Sask., Canada
Dr. Julie Wylie, Pullman, Washington
11:30 A.M. Questions

Conference Committees – 1976

Program Committee:

Dr. Robert J. Harris, Chairman, California
Dr. Leland Allenstein, Wisconsin
Dr. John Kendrick, California
Dr. LaVon Koger, Washington
Dr. Ben Norman, California
Dr. Morton Silberman, Georgia
Dr. James Hanson, Minnesota
Dr. Roger Mead, Wisconsin

Dairy Session:

Dr. John W. Kendrick, California

Feedlot Session:

Dr. Morton Silberman, Georgia

Cow-Calf Session:

Dr. Ben Norman, California

Exhibits

Dr. Sam Hutchins, Vermont

Ladies Program:

Mrs. Robert Harrison, California
Mrs. Judy Jameson, California

Local Arrangements:

Dr. Connor Jameson, California

Registration:

Constance Dickson, California

An Invitation to the 9th Annual AABP Conference



Robert J. Harris, D.V.M.

It is with pride we invite AABP members to District X and San Francisco for our Ninth Annual Conference. San Francisco is a city of many fine cultural centers, a variety of fine places to eat, good entertainment and a shoppers' delight.

The program will focus on bovine medicine, beef and milk production for 1976 and beyond. We have two fine speakers for the opening General Session, who have long been associated with our profession from the focal point of marketing and financing.

Mr. George L. Mehren, past president of Associated Milk Producers, Inc. will speak to us on the decade ahead for meat and dairy products focusing on U.S. production. Mr. Walter Minger, senior vice president of Bank of America, will speak on opportunities and problems of international meat and milk production.

Even before the opening General Session we will have a pre-convention tour of San Joaquin Valley, stopping at three outstanding dairies. This to be followed by five pre-convention seminars on milk quality, immunity, building ventilation for health, breeding efficiency and mycotoxin in feeds.

A new forum will replace our usual practice tips. It will be a clinical problem-solving exercise in each of our three phases of bovine practice, dairy, cow-calf, and feedlot.

Back to the main program. After the opening General Session we will have afternoon sections in dairy, cow-calf and feedlot and morning general sessions on subjects common to all phases of practice. We have many fine speakers and I know we will all go home better informed practitioners of our trade – bovine medicine.

I encourage each AABP member to attend our San Francisco meeting; bring your wife and make this, our Ninth Annual Meeting, another American Association Bovine Practitioner success.

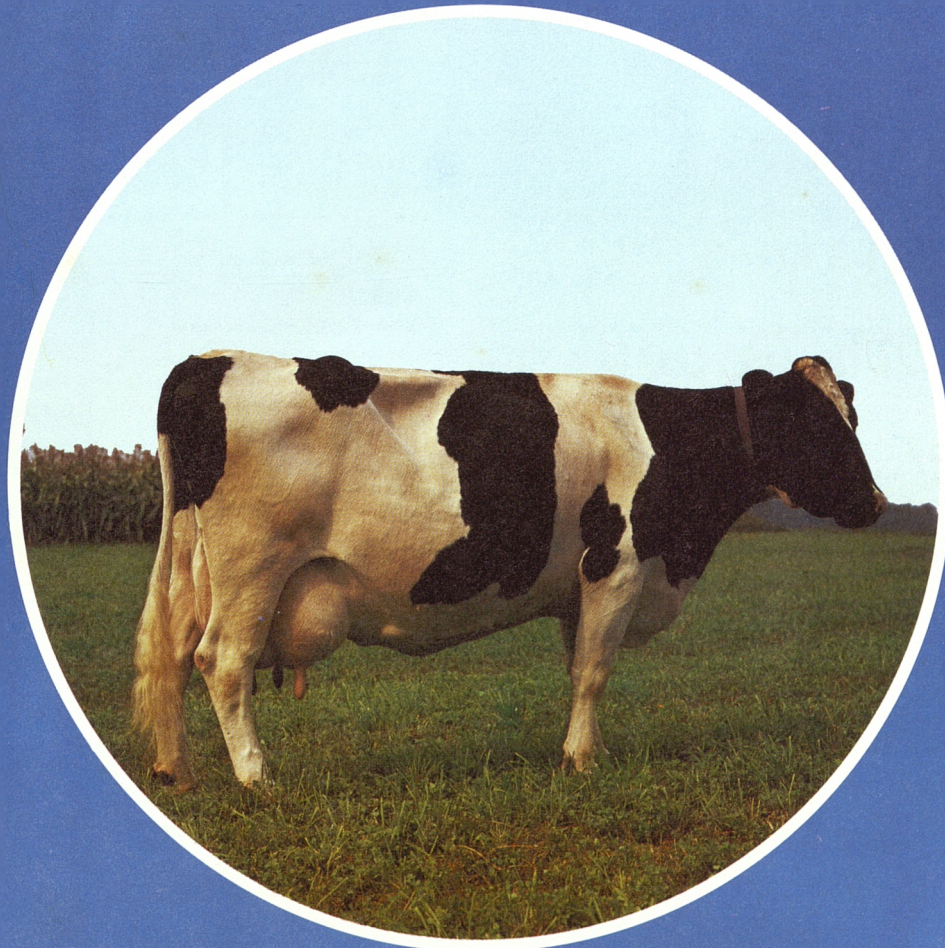
Robert J. Harris, D.V.M.
Program Chairman

SHE'S PREGNANT!

But you can still protect her
against IBR and PI-3 infection with

NASAMUNE™-IP

Bovine Rhinotracheitis (Bovine Tissue Culture Origin)
Parainfluenza-3 (Porcine Tissue Culture Origin)
Modified Live Virus, INTRANASAL



Intranasal administration provides early, safe protection

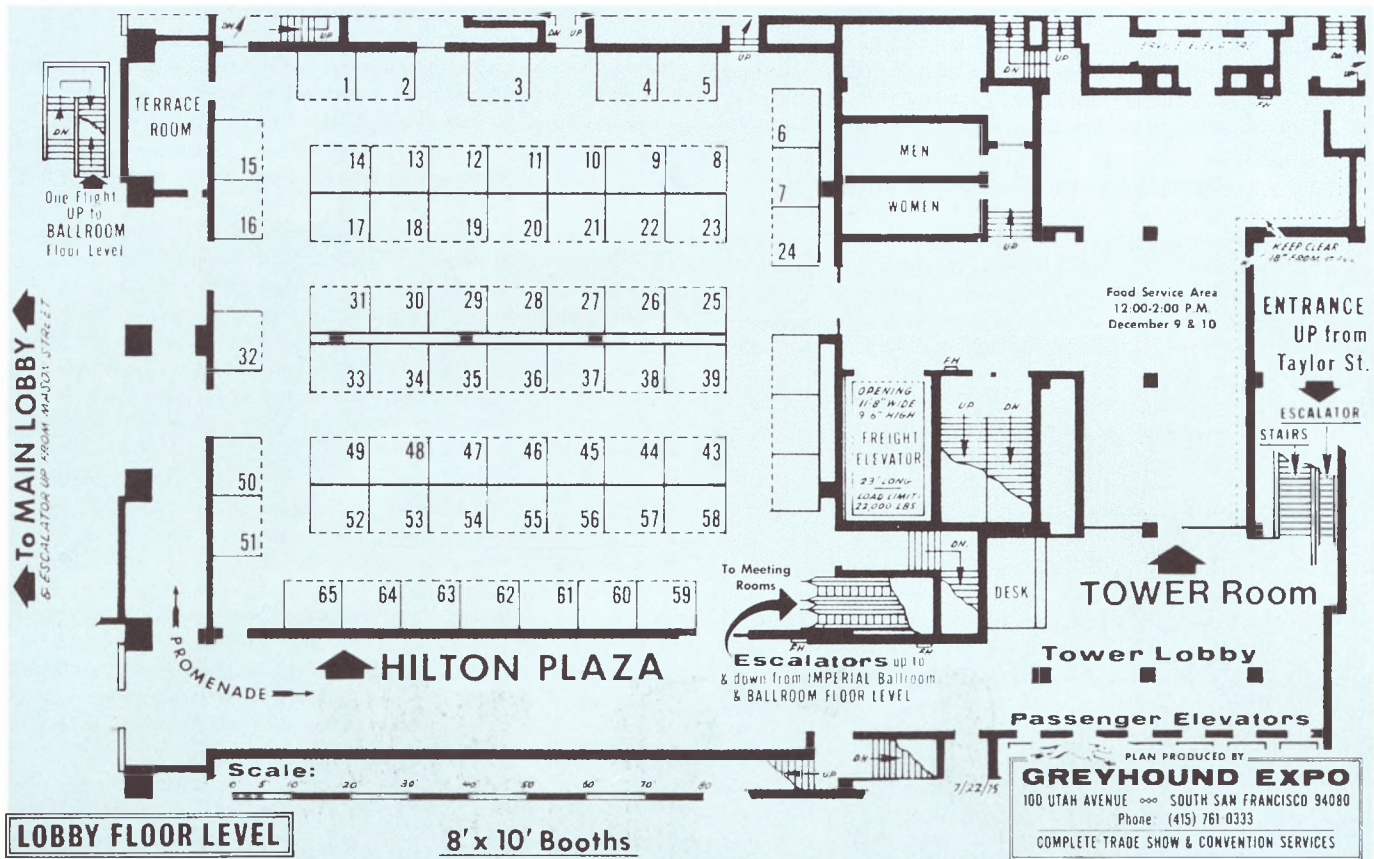
Interferon protection occurs as early as 40 hours after vaccination because the virus is introduced at the natural portal of entry. Intermediate protection results from the stimulation of secretory antibodies. And, in approximately 10-14 days, circulating antibodies appear which provide long-term, systemic immunity.

NASAMUNE-IP is produced in tissue cell cultures derived from Master Cell stocks from the Affiliated Frozen Stable Cell Bank System™. Highly antigenic, pure, safe—even for pregnant cows.

AFFILIATED
LABORATORIES DIVISION
WHITMOYER LABORATORIES, INC.
MYERTOWN, PENNSYLVANIA 17067
SUBSIDIARY OF ROHM AND HAAS COMPANY



1976 AABP Conference Exhibitors



The American Association of Bovine Practitioners wishes to acknowledge the loyal support of the companies listed below for the San Francisco convention.

Abbott Laboratories
 AVPD Dept. 44A, N. Chicago, Ill. 60064
 Booth 28

Abbott Laboratories will be represented with a 10' exhibit constructed of handsome, wood-grain finish which is complemented by an attractive, trans-lite which will highlight a featured suspended product(s). Abbott representatives will be on hand to discuss a new line of large animal biologicals; Erythro® injectable antibiotics for pneumonia and upper respiratory infections. Erythro®-36 (mastitis infusion); Spectam® Scour-Halt™ (effective oral solution for baby pig scours); and a wide range of intravenous solutions and administration equipment.

Affiliated Laboratories
 1 Gibraltar Plaza, Horsham, Pa. 19044
 Booth 22

Affiliated Laboratories invites all members and guests of the convention to visit our exhibit. Technical representatives will be available to discuss our complete product line. Featured will be a unique polyvalent leptospira bacterin and our intranasal IBR-PI-3 vaccine - Nasamune-IP.



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

Albion Laboratories, Inc.

101 N. Main, P.O. Box E, Clearfield, Utah 84015
Booth 60

Albion will be displaying its complete line of unique veterinary pharmaceuticals, including Curecal-Feline. Many of the pharmaceuticals incorporate Albion's pioneering research into the field of chelation.

American Cyanamid Company

P.O. Box 400, Princeton, N.J. 08540
Booths 4 and 5

The Cyanamid PVP booth will feature Bo-Ana® famphur and Ripercol®-L injectable dewormer as well as S.E.Z.® long-lasting sulfa. Technical literature and technical assistance will be available at the booth. Please stop by and say "hello."

Animal Nutrition Inc. (ANI)

6608 W. Main St., Belleville, Ill. 62223
Booth 27

The doctor of veterinary medicine in the future is expected to strongly emphasize preventive methods on a total program basis. These programs will include control of internal and external parasites, mastitis control, herd immunization, pregnancy diagnosis, nutrition and feeding recommendations. This is a total program with but one goal: "To increase the economic return to the doctor's client through increasing efficiency of production." It is becoming increasingly evident that optimum nutrition is the key to the success of the total program.

Astoria Fibra-Steel, Inc.

P.O. Box 726, Astoria, Ill. 61501
Booths 15 and 16

We now manufacture eight models of veterinary mobile clinics, ranging from clinics for rugged four-wheel drive vehicles to clinics for the small economy pickups, one of which is on display. Visit our booth for information.

Beecham Laboratories

501-551 Fifth Street, Bristol, Tenn. 37602
Booth 56

Beecham Laboratories is proud to display Orbenin-DC, the worldwide drug of choice for dry cow mastitis control. Additional Beecham products that will be of interest to the bovine practitioner will also be on display with qualified personnel present to answer your questions.

Bio-Ceutic Laboratories, Inc.

2621 N. Belt Hwy., St. Joseph, Mo. 64502
Booth 33

Bio-Ceutic extends you a cordial invitation to visit our booth. Continuing research and development has provided many new products of interest to the bovine practitioner. Among the products featured will be the Fermicon product family of clostridials, Somnugen, Quadraplex, and other large-animal biologicals.

Biozyme Enterprises

St. Joseph, Mo.
Booth 58

Progressive veterinarians recognize that 85% of the health problems in cattle are due to malnutrition. The Vita Ferm System offers you the opportunity to increase your income

potential while providing nutritional consultant services to your clients. Hundreds of veterinarians throughout the United States have found the Vita Ferm System fills a large void created by health related problems. You can have pride, profit and convenience for yourself; and for the cattlemen in your area you may offer \$3 return for every \$1 invested in the Vita Ferm System.

Bowie Manufacturing, Inc.

313 S. Hancock, Lake City, Iowa 51449
Booths 25, 26, 38, 39

Bowie Mfg. will have on display the Royal 8' Mini and the Classic Mini—two of the most popular mobile clinic units on the market. You will also want to stop by our booths and see the newest addition to our line of veterinary equipment—the X-Ray Processor. Designed by Bowie with your needs in mind, it is a complete self-contained system for 45-second processing of a positive radiograph image. We are looking forward to visiting with you.

Bristol Laboratories

Thompson Road, Syracuse, N.Y. 13201
Booth 8

Featured will be our fine line of mastitis products: Hetacin-K (potassium hetacillin) for intramammary infusion, Dry Clox (benzathine cloxicillin) and Cefa-Lak (cephapirin sodium). Representatives will be available to discuss these products plus any other products in the Bristol line.

Burns-Biotec Laboratories

P.O. Box 3113, Omaha, Nebr. 68103
Booth 57

Displaying and detailing the latest concepts in packaging and innovative animal health products for large animal practices, specifically bovine. Reference literature available at Booth 57.

Burroughs Wellcome Co.

P.O. Box 12338, 3030 Cornwallis Rd.
Research Triangle Park, N.C. 27709
Booth 29

Wellcome Veterinary Division will feature Halox™ wormer for cattle, sheep and goats and Halox™ bolus wormer for cattle. Haloxon, the active ingredient of both the drench and bolus forms of Halox™, has proved effective in the control of gastrointestinal roundworms of the genera Haemonchus, Ostertagia, Trichostrongylus, and Cooperia. Co-Nav and Fenatox, spray or dip concentrates for control of livestock pests, will also be displayed.

Central City Medical

1027 Branston Rd., San Carlos, Calif. 94070
Booth 46

The Central City booth will be an integral part of the Med-Tech display. Shown will be the latest in instrumentation as well as drugs pertinent to bovine practice.

Craig Labs, Veterinary Division

1 Wisconsin Ave., Norwich, Conn. 06360
Booth 10

Craig Laboratories' exhibit will feature the Craig Total Mastitis Control Program. This will include a convenient, new, quick cowside testing device, treatment of lactating and dry cows, teat dipping and udder care. Literature will be available as well as information on the complete Craig

Laboratories line of pharmaceuticals and disposable specialties.

Dairy Equipment Co.

1919 S. Sloughton Rd., Madison, Wisc. 53701
Booths 63 and 64

Our exhibit will include: Three automatic detacher units; two working demonstrations of liner action and vacuum pressures within the cavity of the liner and their relationship to the possible transmission of bacteria through the teat canal.

DeLaval Separator Co.

1815 Rollins Rd., Burlingame, Calif. 94010
Booth 14

We will be displaying a small plate cooler, a weighing device and our unit washer. The salesmen attending will be J. A. Vaughan, Dick Giachino and Don Beach.

Dellen Laboratories, Inc.

2704 84th Street, Omaha, Neb. 68134
Booth 47

Dellen Laboratories, Inc., is proud of its quality line of bovine biologics. Dellen products include CCS and Lepto Pomona Bacterins, CCSNS (4-Way), Types C, D, and C&D Bacterin Toxoids, IBR, IBR-Lepto, and IBR-PI₃-Lepto Vaccines. Small animal vaccines such as Paramune-P (Canine parainfluenza), Delcine HL (canine distemper), and feline distemper will also be displayed.

Diamond Laboratories, Inc.

P.O. Box 863, Des Moines, Iowa 50304
Booths 36 and 37

Presenting Diamond's long line of bovine products including a complete armamentarium of vaccines, pharmaceuticals and growth promotants. Diamond representatives will be on hand to provide detailed information on all products.

Encyclopaedia Britannica

425 North Michigan Ave., Chicago, Ill. 60611
Booth 3

As part of our exhibit, we will have on display the exciting and revolutionary new Encyclopaedia Britannica 3, The Britannica Junior and other related products.

For-Most, Inc.

Box 322, Hawarden, Iowa 51023
Booth 1

For-Most, Inc., Box 322, Hawarden, Ia. 51023, will be exhibiting our Model 150 Portable Squeeze Chute with heavy duty stanchion and palpation cage, our Model A25 Self-Catcher, and the Big & Little Hog Catcher and Crate.

Fort Dodge Laboratories

800 - 5th St., N.W., Fort Dodge, Iowa 50501
Booth 2

Fort Dodge Laboratories invites you to stop by and view our many new additions to our expanding bovine line, such as Triangle-4—the new inactivated IBR, PI-3 pasteurized vaccine for use in cattle of all ages and in gestating cows. You will also be interested in UltiVib—our new combination vibrio-lepto, one-dose vaccine. And our new line of electronically controlled process Bio-ferm clostridial bacterins.

As well as our new improved Biotized Mixed Bacterins. In addition, we have several other bovine products of interest to you, so stop by and we'll be pleased to discuss them with you.

Haver-Lockhart Laboratories

P.O. Box 390, Shawnee Mission, Ks. 66201

Haver-Lockhart will feature our new large animal biologicals, as well as our new sustained release Hava-Span™ bolus.

Hoffman-LaRoche, Inc.

340 Kingsland Road, Nutley, N.J. 07110
Booth 50 and 51

Roche will be featuring Albon, sulfadimethoxine, Sustained Release Boluses for treating beef and non-lactating dairy cattle. Albon S.R. boluses provide four days of therapy from one dose. Roche will also feature the balance of its Albon, sulfadimethoxine, dosage forms plus Injacom and Injacom 100 + B Complex.

Howard Agriculture

Consultation and Research

4275 Hwy. 86, P.O. Box 191, Brawley, Calif. 92227
Booth 54

International Multifoods

1200 Multifoods Bldg., 8th & Marquette
Minneapolis, Minn. 55402
Booth 9

Multifoods will feature Osborn and Tevco products for the bovine practitioner. These include antibiotics, sulfonamides, parenteral fluids, nutritional and electrolyte formulations, hormones, ophthalmics, and treatments for bovine coccidiosis.

Jensen-Salsbery Laboratories

520 West 21st Street, Kansas City, Missouri 64108
Booths 44 and 45

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, Inc.

P.O. Box 872, 1321 Milner Ave.
Loveland, Colo. 80537
Booth 59

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 model fetatome, the latest in bovine vaginal and laryngoscopes, and our complete line of nylon dose syringes.

Kane Enterprises

P.O. Box 360, Sioux Falls, S.D. 57101
Booth 24

Eye-Pro-Tek, patented eyepatch for treatment of pinkeye in cattle. Ag-Tek Cement, for use on livestock. Ag-Tek "De-Cap-Er," tool for removal of aluminum seals from injectable vials. Ag-Tek "Johnson Button," patented instrument for repair of vaginal prolapse in preparturient cow. Ag-Tek "Poly-Sleeve," shoulder-length polyethylene O.B. glove.

Lane Manufacturing, Inc.

5560 East Pacific Place, Denver, Colo. 80222
Booth 23

Our exhibit this year will feature the newest electronic

ejaculator, the Pulsator IIB. Other items for bull evaluation are the Scrotal Tape and Foote Tonometer. Also on display will be the Goggins Slideknife and Rice Pelvimeter, as well as a new casting and restraining device.

Med-Tech, Inc.

*P.O. Box 338, Elkan Estates, Elwood, Kansas 66024
Booth 48*

Med-Tech is the veterinary profession's choice broad-line source of pharmaceuticals for bovine practice. Med-Tech also features such equipment as calf-pullers, oral calf feeders, pole syringes, bovine laryngoscopes, surgical instruments, portable x-rays, eye patches, test reagents, and accessory products. All of these and more will be shown at this year's meeting; we hope you'll stop by.

Merck Professional Veterinary Products

*126 E. Lincoln Ave., Rahway, N.J. 07065
Booths 52 and 53*

The Merck Professional Veterinary Products Department invites all members and guests of the convention to visit our exhibit. Our trained and experienced personnel will be available to discuss areas of mutual interest including: anthelmintics, antibacterials, and bovine coccidiosis. Products featured will include Omnizole®, Sulfabrom®, and Corid®.

Nasco West, Inc.

*1524 Princeton Ave., Modesto, Calif. 95352
Booth 12*

Nasco will have available copies of the 1976-1977 agriculture catalog, as well as the Nasco dealer catalog, which is available to professional veterinarians. We will have in our booth Cap-Chur equipment, small hand veterinarian tools including Burdizzo emasculatomes, elastrators, dehorners, magnets, balling guns, syringes, ear tags, show equipment, clippers, etc. We will also feature artificial insemination equipment, Nasco rubber cow mats, plastic gloves and boots, Whirl Pak bags, and various other items that are featured in our 330-page catalog.

National Laboratories Corp.

*Route 202-206 North, P.O. Box 2200
Somerville, N.J. 08876
Booth 20*

Educational materials and product information available from your National Laboratories Corp. representatives.

Norden Laboratories

*601 W. Cornhusker Hwy., Lincoln, Nebr. 68521
Booth 43*

The Norden exhibit will feature five new and exclusive products for the bovine practitioner: Scourvax II, Leptovac GHP, Life-Guard Oral Electrolyte Powder, Spanbolet II and TSV—the unique temperature sensitive IBR intranasal vaccine.

Pitman-Moore, Inc.

*P.O. Box 344, Washington Crossing, N.J. 08560
Booth 17*

Pitman-Moore will feature its full line of bovine biological products and Bactassay™ Diagnostic Test. Also featured will be our new bovine leukemia test. Come see us at Booth 17.

Porta-Vet Industries, Inc.

*Hudson, Iowa 50643
Booths 6 and 7*

Porta-Vet Industries appreciates the invitation to again exhibit at your annual Bovine Association Meeting. We have designed and built an all new fiberglass mobile unit using your ideas to complete a combination rear and side working unit. We invite comparison in quality and price and ask you to stop by our booth for a demonstration.

Professional Medical Supply Co., Inc.

*15536 Carmenita Rd., Santa Fe Springs, Ca. 90670
Booth 49*

As a total service distributor, we offer the bovine practitioners a complete line of biological pharmaceutical supplies and equipment. We will display bovine equipment that is difficult to show on routine calls.

Rachelle Laboratories, Inc.

*700 Henry Ford Ave., Long Beach, Ca. 90801
Booth 32*

Table top booth featuring injectable oxytetracycline, Aquachel 50 mg and 100 mg per cc. Tetracycline, Tetrachel-Vet in three different formulas, 25 gm, 102 gm, and 324 gm/lb.

Ritchey Manufacturing Co.

*Rt. 3, Box 58, Brighton, Colorado 80621
Booth 55*

Livestock identification system.

Schering Corporation

*Galloping Hill Road, Kenilworth, N.J. 07033
Booth 31*

Professional service representatives will be available to discuss outstanding dairy products such as Naquasone® and other products in the Schering line.

E. R. Squibb & Sons, Inc.

*P.O. Box 4000, Princeton, N.J. 08540
Booths 34 and 35*

Boviclox, sterile benzathine cloxacillin for dry cows, will be featured at this year's Squibb exhibit in California. Also on display will be Princillin, sterile ampicillin suspension. Princillin requires no refrigeration. Follutein Veterinary (chorionic gonadotropin for injection), intended for parenteral use in cows for the treatment of nymphomania due to cystic ovaries.

Tower Mfg. Co.

*P.O. Box 32336, Nimitz Station, San Antonio, Texas 78216
Booth 18*

Tower Manufacturing Company, Inc., will exhibit the WSL Nitrospray I and II cryosurgical instruments. These units are hand-held and fingertip operated, portable cryosurgical units for the delivery of liquid nitrogen spray. The units are all metal in construction, transportable to any office or field setting, and capable of treating any lesion responsive to cryosurgery regardless of size of the lesion. Luer lock attachments permit selection of any desired gauge spray tip or probe. Freeze branding attachments may be constructed for use with the unit.



Clostridium Chauvoei - Septicum Bacterin

A chemically inactivated culture of *Clostridium chauvoei* and *Clostridium septicum*.

Adsorbed with Neojel[®]

D-Ferm[™] CCS

250 ml.

125 Doses

Diamond's Fermenter Process
Biologicals
Address through research
DESMOINES, IOWA 50314, U.S.A.

Diamond introduces the D-FERM™ Clostridial Bacterins.

Bacterins of superior antigenic quality, uniformity and purity.

We select superior strains, grow them in the most advanced electronically-controlled equipment, then harvest each organism at the optimum point of antigen production. The result is truly technologically superior bacterins: The D-FERM Clostridial Bacterins.

Small 2.0 ml. and 5.0 ml. dosage products.

Diamond delivers full immunogenic potency with a 2.0 ml. or a 5.0 ml. dose, regardless of size or age of the animal.

D-FERM bacterin's adjuvant extends the degree and duration of resistance.

Neojel®*, the special, exclusive D-FERM bacterin adjuvant, provides better controlled release of antigens into animal tissue, improving both the degree and duration of immunity.

*Neojel is the Diamond brand of $\text{Ca}_3(\text{PO}_4)_2$ and $\text{Al}(\text{OH})_3$.

Less local tissue reaction.

D-FERM Clostridial Bacterins rarely cause what the client doesn't like to see: undue

animal stress and local tissue reaction. D-FERM antigens are produced in new, completely soluble, semi-synthetic media, free from native proteins. This fact, along with the low 2.0 ml. or 5.0 ml. dose, reduces the possibility of anaphylactic shock and minimizes the development of swellings and abscessation at the injection site. The low dose volume limits leakage at the injection site, yet assures that the animal receives full-dose antigenic stimulation.

Smooth syringability.

Free-flowing D-FERM Clostridial Bacterins have an easily re-suspended adjuvant that provides uniform dosage and smooth syringability.

Care and concern for product quality.

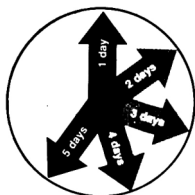
At Diamond, we are concerned with product safety and effectiveness. Before any Diamond biological goes to market, it must meet our own rigid laboratory and field test standards for quality, efficacy, safety, potency, ease of use, and care in packaging. Ask your Diamond representative to introduce you to the D-FERM Clostridial Bacterins.



DIAMOND
LABORATORIES INC.
Des Moines, Iowa 50304

THE PROTECTOR.

A NEW BREAKTHROUGH in prolonged-release sulfamethazine therapy... Servospan base maintains effective blood levels for up to 5 days.



Hava-Span™ (Sulfamethazine)

Prolonged-release bolus with Servospan™ base*

SERVOSPAN BASE

Haver-Lockhart's Servospan base meters sulfonamides into the blood stream in response to fever. Servospan acts on a bio-feedback principle... the higher the fever, the longer the blood level duration... a unique and decided advantage to the sick animal.

DIGESTED, NOT DISSOLVED

Because Hava-Span bolus is digested, not dissolved, the release of sulfamethazine is not dependent upon the amount of water the animal drinks. This allows the achievement of therapeutic blood levels even in dehydrated animals.

REDUCED TREATMENTS

With prolonged release Hava-Span bolus, retreatment of cattle is reduced. This helps limit repeated handling and restraint... reduces stress on the sick animals. Less frequent treatment also saves time and labor for the veterinarian.

LATITUDE OF DOSAGE

After reaching blood levels of 5 mg./100 ml., Hava-Span bolus will maintain this therapeutic level for 3½ to 5 days depending on the dosage administered. Sick animals may be treated initially with an antibiotic or parenteral sulfa to obtain immediate blood levels and simultaneously medicated orally with Hava-Span bolus to maintain those blood levels.

HAVA-SPAN BOLUS... A NEW BREAKTHROUGH

Hava-Span overcomes the previous disadvantages of both oral and parenteral sulfonamides in ruminants. Now, as a result of Haver-Lockhart's exclusive Servospan base, you can have the effectiveness of sulfamethazine in a prolonged-release formulation to meet your exact clinical requirements.



*PATENT PENDING

Haver-Lockhart Laboratories
Division of Bayvet Corporation
Shawnee, Kansas 66201

EXHIBITORS:

(Continued from page 105)

Twin A. A. Cutlery Co.
Box 429, Abilene, Ks. 67410
Booth 13

Professional necropsy and hoof knives; steels, cleavers, saws with spun aluminum handles; professional nippers, and knives with nylon handles. Also all types of household cutlery, scissors, pocket and hunting knives, and sharpening tools.

The Upjohn Company
Dept. 9510-190, 7000 Portage Rd., Kalamazoo, Mich. 49001
Booth 21

Welcome to the 1976 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 Medicine Publishing Co.
144 N. Nettleton, Bonner Springs, Kansas 66012
Booth 65

An exhibit of books and manuals for the practicing veterinarian. Editors of VM/SAC will be on hand to visit with subscribers and authors.

Vet Kem Laboratories
12200 Denton Drive, Dallas, Texas 75234
Booth 19

Complete line of actoparasite control products.

**IT'S NOT
TOO EARLY!**
**Start Planning Now
For These
Forthcoming Meetings**

1977: Stouffers Riverfront Inn,
St. Louis, Mo., Dec. 10-14

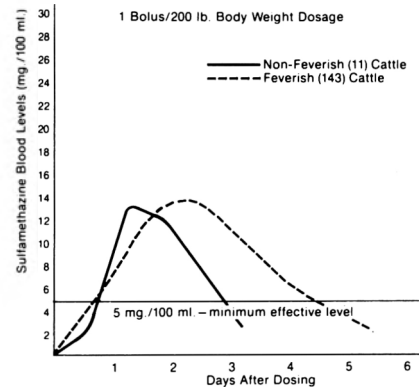
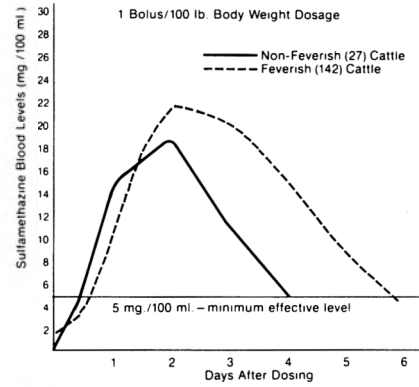
1978: Baltimore, Md.

1979: San Antonio, Texas

Hava-Span™ (Sulfamethazine)

CONTENTS: Each bolus contains 22.5 grams of sulfamethazine in a prolonged release base.

INDICATIONS: HAVA-SPAN™ (Sulfamethazine) Prolonged Release Bolus is indicated for the sustained treatment of shipping fever pneumonia caused or complicated by *Pasteurella multocida* in beef and nonlactating dairy cattle. It is also indicated as an aid in the treatment of foot rot, mastitis, pneumonia, metritis, bacterial enteritis, calf diphtheria and septicemia in beef and nonlactating dairy cattle when caused or complicated by bacteria susceptible to sulfamethazine.



DOSEAGE: Cattle which are acutely ill should be treated parenterally with a suitable parenteral antibacterial product to obtain immediate therapeutic blood levels. HAVA-SPAN™ (Sulfamethazine) Prolonged Release Boluses, provide effective blood levels starting about 14 to 18 hours following administration. The duration of therapeutic levels (5 mg./100 ml. or greater) in acutely ill animals is related to the dosage of HAVA-SPAN™ (Sulfamethazine) Prolonged Release Bolus administered.

Depending on the duration of therapeutic blood levels desired, administer HAVA-SPAN™ (Sulfamethazine) Prolonged Release Bolus as follows:

HAVA-SPAN Dosage	Duration of Therapeutic Blood Levels* (5 mg./100 ml. or greater)
1 bolus/200 lb. body wt.	3½ days
1 bolus/100 lb. body wt.	5 days

*Duration of blood levels are based on studies on acutely ill animals with elevated body temperatures. Therapeutic blood levels following treatment with HAVA-SPAN™ (Sulfamethazine) Prolonged Release Bolus rise quicker and are of a shorter duration in non-feverish animals.

CONTRAINDICATIONS: HAVA-SPAN™ (Sulfamethazine) Prolonged Release Bolus should not be administered to cattle with a known sensitivity to sulfonamides or with known renal impairment; or cattle too small to swallow boluses (usually less than 200 lb. body weight).

WARNING: Do not use in lactating dairy cattle. Do not administer within 16 days of slaughter.

PRECAUTIONS: Do not limit drinking water to cattle being medicated. Estimate body weights carefully to assure accurate dosing.

ADVERSE REACTIONS: While sulfonamides may infrequently cause allergic or toxic reactions, none of these symptoms have been recorded during pre-clinical or clinical studies involving Hava-Span™ (Sulfamethazine) bolus. SUPPLIED: Cartons of 10 x 5 bolus packets. Boxes of 50.

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

NOTE: Product usage information contained herein is abbreviated. Consult product insert before treatment.



Haver-Lockhart Laboratories
Division of BAYVET Corporation
Shawnee, Kansas 66201

© Copyright American Association of Bovine Practitioners; open access distribution.

CONVENTION H.Q. San Francisco Hilton & Tower

The West's largest hotel, the San Francisco Hilton and Tower is the ideal home base for a stay in everybody's favorite city. Centrally located, the hotel provides superb facilities for conventions while maintaining the personalized service and excellence which has become its trademark.

Like the city itself, the San Francisco Hilton Hotel and Tower blends cosmopolitan sophistication with a casual atmosphere for relaxation, where guests may lounge by the heated swimming pool on the 16th floor atrium or enjoy cocktails in the charming Cable Car Lounge.

The hotel offer a choice of fine dining atmospheres. Henri's Room at the Top of the 46-story Hilton Tower commands a magnificent view of the entire Bay Area, providing a dramatic setting for daily luncheon and dinner buffets. Evenings are no time to slow down, with top musical performers and dancing under the stars seven nights a week.

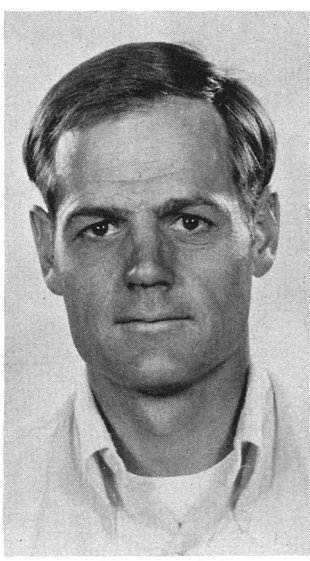
For outstanding continental cuisine, the elegant Chef's Table restaurant in the hotel offers a variety of gourmet entrees. Soft melodies by a strolling violinist and pianist provide the musical background for a memorable evening of wining and dining.

The above information and photos were furnished by Graham Kislinsky, Public Relations-Advertising, 988 Market St., San Francisco, Calif. 94102.



Welcome to San Francisco

Connor Jameson, D.V.M.
Local Arrangements
Chairman



The Far West bovine practitioners would like to welcome you to the Golden State and the Golden Gate City. We believe we have one of the most exciting sites and programs available for our AABP convention.

In keeping with the spirit of the year, the convention theme is "Veterinary Medicine and Agriculture-1976 and Beyond." The opening

general session will feature George Mehren, a former midwestern dairy association manager, and Walter Minger, first vice president of the Bank of America, giving their views of today's agri-business activities and prospects.

We have made arrangements for a pre-convention tour on Tuesday, December 7, to the San Joaquin Valley for a visit to typical California dry lot dairies. Local veterinarians will conduct the ranch tours. During our lunch break personnel from the local Irrigation District will discuss some of the unique irrigation agriculture systems used in the valley.

The San Francisco Hilton is conveniently located downtown, one-half block from the airport bus terminal building. Two blocks away the cable cars wait to take you to some of the most famous shopping, dining and entertainment establishments in the world. District X veterinarians, their wives and local convention personnel will be available to help acquaint you with the city.

As last year in Atlanta, a light lunch will be offered in the exhibit area on Thursday and Friday to facilitate visiting.

With the infinite variety of excellent international cuisine available in San Francisco, we didn't feel we could put on a banquet that could compete; instead there will be a wine-tasting featuring select California

wines. Four wineries will bring wines for you to sample and personnel to tell you about them. This will be a unique opportunity to learn about our wines. Plan to attend this informative as well as social event. It has been scheduled immediately following the afternoon sessions and leaves plenty of time for an entertaining evening on the town. Again, local arrangement personnel will be present to help with your evening plans.

A post-convention tour to famous Napa Valley will be available on Saturday afternoon. This will

feature a tour and tasting through some famous Napa wineries and dinner at Mondavi Winery. An excursion fare night flight savings will pay for this entertaining tour.

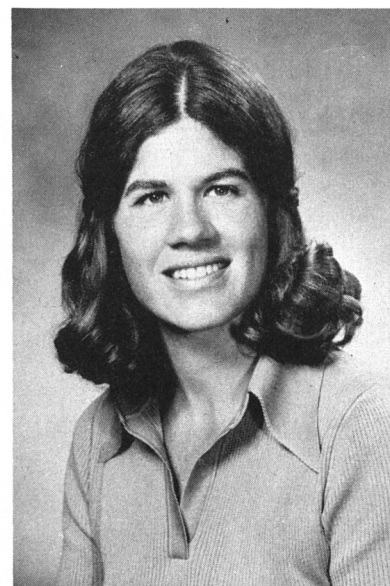
Plans are shaping up well for this year's convention. We are looking forward to seeing you in December and helping to make this one of the best conventions ever.

Conner Jameson, D.V.M.
Local Arrangements Chairman



Ann Harris

Welcome Ladies



Judy Jameson

San Francisco, the international city, filled with delights beyond imagination during one of its most festive seasons . . . need we say more to beckon you to join us in California in December. We are looking forward to welcoming you to our Golden Gate City for the 9th Annual AABP Convention.

You will find the San Francisco Hilton is very conveniently located near downtown shopping and the cable cars. There will be a hospitality room (California Room) in the hotel and a complimentary coffee get-together on Thursday and Friday morning. We will have a get-acquainted tour of San Francisco which will include a trip across the Golden Gate Bridge to Sausalito for lunch at the Alta Mira Hotel, known for its very fine food along with a spectacular view of Richardson Bay and San Francisco, followed by shopping or browsing in the unique shops, returning to San Francisco by ferry. A unique Christmas shopping shuttle will be available on Friday. Motorized cable cars will take you to Union Square, Union Street, Ghiradelli Square and Fishermen's Wharf with a buffet luncheon at Ben Jonson's in the Cannery.

Early Thursday evening there will be a wine-tasting party featuring select California wines. Personnel from four wineries will be present to tell you about their wines. This introduction will help prepare

you for a post-convention tour to Napa Valley Saturday afternoon for veterinarians and their wives. There you will be able to visit different wineries and have a gourmet dinner at the Mondavi Winery.

We are looking forward to seeing you in December so we may share California hospitality and the holiday festivities of one of the most exciting cities in the world!

Ann Harris
Judy Jameson
Co-chairmen



Ladies Tours

(Arranged by Galavents)

“When I was a child growing up in Salinas, we called San Francisco ‘The City.’ Of course it was the only city we knew, but I still think of it as ‘The City’ as

does everyone else who has ever associated with it.” – John Steinbeck.

Galavents is looking forward to sharing with you our love for San Francisco and the surrounding areas while getting the holiday season off to a great start.

The tours have been especially designed for the American Bovine Practitioners in order to give the ladies insight into “everyone’s favorite city” and leisure time to enjoy the season’s festivities. And to finish off the week that begins with an introduction to California wine and a California valley we will take you on a Napa Valley wine country dinner trip.

Galavents will provide buses and even motorized cable cars for each tour and make all arrangements and reservations. Each bus will be accompanied by a Galavents hostess, a well-educated, specially trained docent or guide, probably native-born, and eager to share her knowledge of the area.

Galavents looks forward with great pleasure to welcoming the Bovine Practitioners.



Event #1

Wednesday, December 8, and
Thursday, December 9
10:00 a.m.

San Francisco City Tour and Luncheon - Sausalito

Get acquainted or reacquainted with San Francisco.

From your hotel, your guides will point out major places of interest—starting with Union Square, where interesting stores, shops and theatres abound. See the financial area, Jackson Square, Decorator Showrooms, North Beach, and on to Ghiradelli Square and Fishermen’s Wharf. Visit Nob Hill, then to Russian Hill, where you will see interesting residents, restored Victorians and a fire house turned into a home. Visit Chinatown and Japan Town, Golden Gate Park, Twin Peaks (weather permitting), the Palace of Legion of Honor, The Presidio, and the mansions of Pacific Heights. You will cross back and forth across this magnificent city—and finally cross the Golden Gate Bridge and journey into Sausalito, a delightful fishing village and artist colony where you will enjoy lunch at the Alta Mira Hotel, with its superb view of the Richardson Bay and San Francisco.

After lunch, browse through the unique shops of Sausalito and then return to San Francisco by ferry. Buses will meet you at the terminal for your return to the Hilton, approximately 4:15 p.m. Board buses at O’Farrell St. entrance. Price \$16.50.

Event #2

Friday, December 10
10:00 a.m.

Christmas Shopping Shuttle and Buffet/Luncheon at Ben Jonson’s

The only federally recognized moving “landmark” is the famed San Francisco Cable Car.

Special motorized cable cars are at your service to take you shopping wherever you wish to go. (Should we have inclement weather, buses will be substituted for the cable cars.) From 10 a.m. until 4 p.m., they will continue to make scheduled rounds beginning at the Hilton Hotel.

Other stops include Union Square, the center of downtown shopping; Union Street, a multiplicity of fascinating boutiques of all kinds; Ghiradelli Square, the former chocolate factory and now the model shopping/dining area which has been copied throughout the world; The Cannery with its brick structures that convey another era while housing gifts from everywhere; Fishermen’s Wharf, where salty air and ships, museums and shops abound, including Cost Plus. You may get on and off at any scheduled stop and stay as long as you wish. A printed schedule will be provided and hostesses available.

A delightful buffet/luncheon will be served between 12 noon and 1:30 p.m. Whenever you are ready for luncheon, hop your cable car for the Cannery. Merry Olde England is the setting for this Christmas luncheon at the luxurious Ben Jonson. After lunch, continue shopping—your cable cars will continually be in operation until 4 p.m., when they will return to the Hilton Hotel. Board buses at O’Farrell St. entrance. Price: \$15.



Membership Application

AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS

I hereby make application for membership in the AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS and agree to abide by its by-laws, to actively support its objectives, and enclose \$25.00 in payment of first year's dues.

Date _____

Name _____
Last First Middle

Address _____
Street City County State

Telephone _____ AVMA Member _____

Year of Graduation _____ College _____ CVMA Member _____

Nature of Employment (Practice, Teaching, etc.) _____

Percentage of Practice Time Devoted to Cattle _____
Dairy Beef

Former address if you have moved _____
within the last two years. Street
City State Zip

Signature _____

MAIL TO: H. E. Amstutz, D.V.M., Executive Secretary-Treasurer
P.O. Box 2319
W. Lafayette, Ind. 47906

SHARE IT . . . WRITE YOUR PRACTICE TIP, QUESTION, OR SUGGESTION NOW AND SEND IT IN TO US FOR NEXT YEAR'S BOVINE PRACTITIONER.

Signature _____

Address _____

City, State, Zip _____

MAIL TO: Eric I. Williams, F.R.C.V.S., Editor
1226 N. Lincoln
Stillwater, Oklahoma 74074

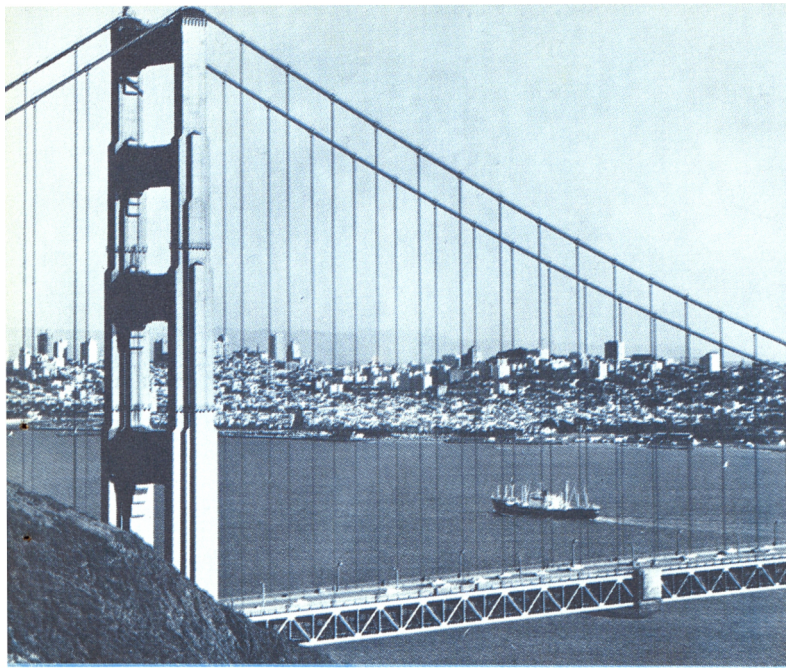
SAN FRANCISCO

Everybody's Favorite City

[Our thanks to Ms. Sally Miller, Media Services and Publicity, San Francisco Convention and Visitors Bureau, for this information and photographs.]

© Copyright American Association of Bovine Practitioners; open access distribution.





San Francisco's skyline seen through the supporting cables of the Golden Gate Bridge. (Photo courtesy San Francisco Convention & Visitors Bureau.)

San Francisco owes much of its individuality to three natural endowments: its site, topography and climate.

The city occupies a 46.6-square-mile fingertip between the Pacific Ocean and one of the world's greatest natural harbors. Being thus confined has caused San Francisco, like Manhattan, to grow up rather than out and kept its distinctive urbanity intact.

Its topography is, to put it mildly, uneven. The peninsula which forms the Golden Gate's southern portal undulates from sea level to an altitude of 925 feet. The downtown buildings rise in steep zigzags—rather as if some dauntless developer had tackled the Grand Tetons.

Just how many hills San Francisco covers is a moot question—enough, certainly, to provide a whole succession of spectacular views. Some sources list upward of 40. The main ones—Nob, Russian, Telegraph, Rincon, Twin Peaks, Mount Davidson and Lone Mountain—early earned it the Roman sobriquet, City of Seven Hills.

If San Francisco has a look of its own, it also has a climate of its own. Visitors invariably find it invigorating, like perpetual spring. Great, cleansing drafts from the Pacific set the air atingle. Since temperatures seldom rise above 75° or drop below 45°, cool weather clothes are comfortable summer and winter. The steady inshore breezes and summer fog combine to act as natural air-conditioners and to give the city a seawashed look. Even the fog can be exciting, tumbling and moiling over the coastal hills, as it sometimes does, in a 1,700-foot-high bank or rushing in a single tendril down the center of the Bay.

There are over 4.8 million people in the San Francisco Bay Area. The compact metropolis, which is the hub of this nine-county complex, has a resident population of about 685,000. Like all major business centers, San Francisco has many “bedrooms.” On workdays some 400,000 commuters pour into the city by train, bus, car and boat from Marin County to the north, the East Bay, and the Peninsula to the south.

To this you can add a steady ebb and flow of out-of-state visitors, around 2.7 million last year (1975).

San Francisco is the financial and insurance capital of the West, a dominant port in world trade and “The City” to the whole of northern and central California. The Pacific Coast's economic pulse can be felt along canyon-like Montgomery Street and read on the big board of the Stock Exchange at 301 Pine Street. Lower California Street, one block north, is the core of the shipping, banking and insurance industries. The reason for the city's international reputation for chic is readily apparent in the shopping district, the area of smart stores and equally smart shoppers fanning out around Union Square. The local flair for living is dramatically reflected in the show windows and showrooms of the Jackson Square quarter where home furnishings wholesalers, retailers and decorators have transformed a portion of the old Barbary Coast into a uniquely picturesque business enclave. It is also evident along outer Union Street, beyond Van Ness, where imaginative merchants have reclaimed old Cow Hollow residences, carriage houses and barns.

San Francisco sprang, like Aphrodite, from the sea. There is water everywhere—sparkling blue, cool green, lowering grey. One half of the city's entire perimeter is washed by ocean tides. The giant, irregular hour-glass which is San Francisco Bay is a major center of waterborne commerce. Four islands, three natural (Alcatraz, Angel and Yerba Buena) and one man-made (Treasure Island), thrust up through the shifting currents within sight of the city. And how the waters do shift! Tidal current through the Golden Gate reaches a peak of 10 million cubic feet a second, three times the flow of that giant among giants, the Amazon, and 14 times the flow of the Mississippi.

Some of the best places to savor this maritime center's salty flavor are along The Embarcadero where ships of all flags are constantly disgorging cargo; beside the Fisherman's Wharf lagoon in the late morning when the fishing fleet puts in, and looking shoreward from the deck of one of the sightseeing boats which cast off at frequent intervals from Pier 43. A backward glance at San Francisco's romantic seafaring past is possible at the Maritime Museum at Aquatic Park, aboard the museum's floating exhibition ship, the three-masted “Balclutha,” at Pier 43 or the turn-of-the-century coastal vessels berthed at Hyde Street Pier. Not to be missed across the street from the Maritime Museum is Ghirardelli Square, a magnificent confection of shops, galleries, restaurants, and plazas concocted in a 19th century chocolate factory. Two blocks to the east at Fisherman's Wharf is The Cannery, a comparable complex housed in an old fruit and vegetable processing plant. A look at “The Coast” in the days when gold-hungry Forty-niners rubbed elbows with pony express couriers and vigilantes can be had at the Wells Fargo

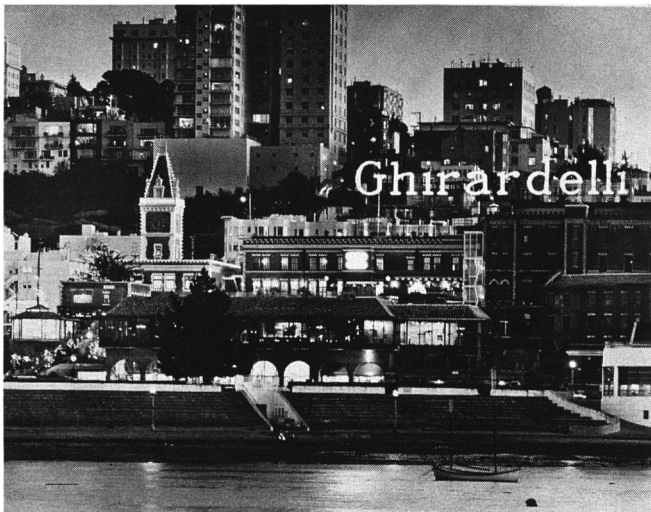
History Room at 420 Montgomery Street.

A significant clue to San Francisco's character is the fact that nearly one out of every two (44.3%) of the Bay Area's inhabitants was born outside of the U.S. or has at least one parent of foreign stock. The city known variously as the Paris of the West, Baghdad-by-the-Bay, Great City of the Golden Hill and the Gateway to the Orient has 30-some foreign-language newspapers. Its culture has been enriched by the traditions and folkways of countless ethnic groups. Its cuisine . . . well, let's just say its cuisine is legendary. For those with an appetite for the exotic, there are restaurants serving the foods of France, Germany, Greece, Scandinavia, Russia, Italy, Switzerland, Spain, the Near East, India, China, Japan, Morocco, Polynesia, Viet Nam and Latin America.

There are three distinct and captivating cities within the city: Chinatown, the largest settlement of its kind outside of Asia; North Beach, a "Little Italy" for some 150,000 San Franciscans of Italian extraction, and Japantown in the Post-Buchanan Street sector, landmarked by the multimillion dollar Japan Center. Since December 1965 when a revision of the Federal Immigration law abolished quotas and removed restrictions on the entry of Asians to the U.S., it's conservatively estimated that the city's Chinese population has grown to more than 75,000. (Some local Chinese sources set the figure at "more than 100,000.") The number of San Franciscans of Japanese descent is 13,000. The 1970 census figure for the black population is 96,078.

A crossroads to everywhere, San Francisco Bay is served by 100 steamship lines, 27 air carriers, Amtrak and two transcontinental bus lines. It is only five jet hours from either the Eastern seaboard or Hawaii and within easy range of such popular vacation spots as

Lights of Ghirardelli Square reflected in the waters of San Francisco's Aquatic Park lagoon. A cosmopolitan compound of shops, restaurants and galleries, the Square occupies an historic, red brick factory complex at the foot of Russian Hill. (Photo courtesy San Francisco Convention & Visitors Bureau.)



On a day with 100 miles visibility, Twin Peaks is the place to be in San Francisco. The skyline is pristine, the Bay Bridge a sparkling silver and the East Bay's hills a stone's throw away. At your feet in Market Street, the city's mainstem. (Photo courtesy San Francisco Convention & Visitors Bureau.)

the High Sierra resorts of Lake Tahoe and Yosemite, the Monterey-Carmel Peninsula, the redwood country, the Mendocino Coast, Reno and Las Vegas. Accommodations are plentiful, there being approximately 24,500 hotel and motel rooms suitable for convention and tourist use in the city proper and around 45,000 in all categories in the metropolitan area. San Francisco regularly houses some of the country's largest conventions with attendances in the 20,000 to 45,000 category.

An excellent introduction to San Francisco's charms is the 49 Mile Scenic Drive. It's well-marked. Follow the blue, white and orange sign of the seagull by car or sightseeing bus, then return to the spots which intrigue you. Start, say, at Civic Center where the fountain-dappled plaza is surrounded by public buildings, including domed City Hall, the San Francisco Museum of Modern Art, the elegant Opera House and the Civic Auditorium. Beneath the plaza is Brooks Hall, a gigantic exhibition arena linked underground to the auditorium. After a few blocks of the city's automobile row, you turn east on Post Street to the downtown area, pass well-groomed Union Square and plunge into the Far East. Chinatown's main stream, Grant Avenue, is lined with up-curved roofs, dragon-entwined lampposts, shops crammed with oriental merchandise and exotic restaurants. Climb California Street to Nob Hill where cocktails come with intoxicating views atop the hill's two tallest hotels, and the Anglican tradition is upheld by the exclusive Pacific Union Club and Grace Cathedral, seat of the Episcopal Bishop of California. A jog to the right takes you to a one-of-a-kind anachronism, the circa 1886 Cable Car Barn and Museum at Mason and Washington Streets. Proceed downhill via Clay to Kearny. The latter leads straight to North Beach,

the city's predominantly Italian "Latin Quarter," dotted with delicatessens, pizzerias, ristoranti and cabarets. Upper Grant Avenue is easily recognizable as the bailiwick of the Beach's free spirits by its far-out art and handicraft galleries, odds and ends emporiums, coffeehouses and offbeat bistros. The top of The Hill (you're ascending Telegraph) where the white shaft of Coit tower thrusts above the trees is a famous observation area with a fabulous four-way view.

The 49 Mile Drive skirts the festive hubbub of Fisherman's Wharf (best approach: by cable car from the business district), passes The Cannery, a potpourri of restaurant-retail-and-entertainment pleasures, and brushes the bay at Aquatic Park. Around the park's postage stamp beach you'll find the Maritime Museum, a cable car gazebo, vintage exhibition vessels and The Cannery's fascinating forerunner, Ghirardelli Square.

From there the seagull markers point the way to the Marina, a Spanish-style residential stretch overlooking a public green and a private yacht harbor. Before you enter the wooded precincts of the Presidio, an active military post since 1776, you'll catch sight of the terra cotta rotunda of the Palace of Fine Arts, a carefully restored souvenir of the 1915 Panama-Pacific International Exposition. The route passes the southern approach of the Golden Gate Bridge. The red-orange towers of this engineering marvel flash through the foliage of the winding Presidio Drive. (For closer inspection, take the turn-off to Fort Point, the Civil War citadel guarding the gate, or park at the Bridge Toll Plaza on the San Francisco end or Vista Point on the Marin side of the span.)

Eventually, via northwestern cliffs and beaches, you reach the Cliff House. Offshore are Seal Rocks, a landmark nearly everyone knows. Below, the Great Highway sweeps along the oceanfront for three miles to the zoo and Lake Merced. From there you double back through the vast wooded reaches of Golden Gate Park sheltering such visitor "musts" as the Japanese Tea Garden, Steinhart Aquarium, Morrison Planetarium, the de Young and Asian Art Museums. Up over Twin Peaks, then, for a panoramic view of the city and bay, dipping down to Mission Dolores founded by the Franciscan fathers in 1776. The route leads through the outer Mission District and back to the Bayfront via the James Lick and Embarcadero freeways. The latter passes the deep water piers and the Ferry Building, recently reactivated as a transbay commute terminal, and the port's World Trade Center. The silvery span of the San Francisco-Oakland Bay Bridge is on your right. Turning west at Washington Street, you pass the Golden Gateway

Center, a \$150 million waterfront renewal project embracing highrise apartments, townhouses, office towers, shopping facilities and parks. The newer \$250 million, three-building (with a fourth to come) Embarcadero Center commercial-cultural complex is adjacent. From the financial district you sweep up San Francisco's newly beautified (trees, plazas, red brick sidewalks) mainstream, Market Street, where the San Francisco Convention and Visitors Bureau occupies the mezzanine at 1390. This puts you back at Civic Center. A short foray out Geary Boulevard will show you the architecturally spectacular St. Mary's Cathedral and neighboring Japan Center. Returning through Little Tokyo via Post Street, you arrive back at Union Square, having looped the city in fine style.

San Francisco's compactness is an advantage to sightseers; much of it can be seen conveniently on foot. It's a mistake, however, to try and telescope everything into a quick visit. There's too much to see and do. The 49 Mile Drive is a good preface, but there's much more to the San Francisco story. Russian Hill, for example, is laced with wooden lanes, and Pacific Heights is lined with fine mansions. The cable cars will take you halfway to the stars enroute from the downtown district to the bay. Harbor cruise boats carry the curious to Alcatraz from Fisherman's Wharf at half-hour intervals. Both the Golden Gate and Bay Bridges should be crossed and the attractions of the opposite shores explored—not the least of which are Marin County's Mediterranean-like boating communities with their many open deck restaurants.

You can't begin to sample San Francisco's nightlife in less than a week. It runs the gamut from cabaret-theaters to jazz "caves" and topless nighteries . . . There are four public art museums and scores of art galleries throughout the city. As the acknowledged cultural capital of Northern California, it is also devoted to the performing arts. In addition to a glittering opera season, San Francisco has its own symphony orchestra and ballet; legitimate playhouses presenting the best of London and Broadway; an annual International Film Festival; innumerable movie houses, many specializing in foreign and art films; and an excellent theater company with an eight months season as well as special productions throughout the year.

For detailed information about San Francisco's unlimited attractions and a 49-Mile-Drive map, write to the San Francisco Convention and Visitors Bureau, 1390 Market Street, San Francisco, CA 94102. When in San Francisco dial 391-2000 for a recorded summary of daily events.

ATTEND THE CONFERENCE!

Your annual AABP conference is your opportunity to learn, to share opinions and new ideas with your colleagues and to keep abreast of new developments in your field. The conference provides you the opportunity to choose those individuals you wish to represent you, and besides all this, your annual conference gives you a chance to travel, to see new people and places, and even to renew old acquaintances.

AABP OFFICERS

President

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

Dr. Leland C. Allenstein, Whitewater, Wisconsin, is the 1976 AABP president. A native of Iowa, he received the D.V.M. degree from Iowa State University in 1950. He moved to Whitewater in June, 1950 and was associated with Dr. H. L. Marsh for one year and then was a practitioner for several years. At present he has three partners, Dr. E. Engil, Dr. Ron Niedfeldt and Dr. Dan Hornickel, in a primarily dairy practice.

Dr. Allenstein was the District 5 representative on the AABP Board of Directors from 1971-74 and served as the local arrangements chairman for the AABP convention in Milwaukee in 1972. He was the program chairman of the annual convention in Atlanta in 1975. Dr. Allenstein has been the advertising manager for the *Bovine Practitioner* since December 1972.

Dr. Allenstein is a member of the AVMA, Wisconsin VMA and Rock Valley VMA. He served as a member of the VVMA executive board for four years and chairman for one year.

Dr. Allenstein was named the Outstanding Veterinarian of the Year in Wisconsin in 1972.

Dr. Allenstein has been a contributor to the "Cow-side Practice" column of *Hoard's Dairyman* magazine for many years.



Dr. and Mrs. Allenstein have two sons and a daughter. Mrs. Allenstein (Betty) is a 1950 graduate of Iowa State University in home economics education. Their son Steve, 25, is a landscape architect graduate; Scott, 23, is a veterinary medicine sophomore at Purdue University; and Carla, 21, is a senior at the University of Wisconsin majoring in textiles and clothing.

A Message from the President

Bovine Medicine and Agriculture - '76 and Beyond

As I view this theme the American Association of Bovine Practitioners has chosen for its Ninth Annual Conference in San Francisco, I immediately think of the past and how little I have done. It, in turn, makes me envision more deeply what lies ahead and what I should possibly consider doing.

Three words come to my mind which I have seen printed and spoken many times in this our Bicentennial year.

Heritage - Festival - Horizons.

We as bovine practitioners have had a heritage bestowed upon us unequalled by any organization. As veterinarians we are not too old as a profession, but the organization that I have been president of this past year is truly young. But when one envisions the growth, the accomplishments, and the status we have attained in nine or ten years, I realize how much unselfish work has been done by this great fraternity of people. You and I have acquired this heritage. AABP has become big business. We have also inherited a huge task of fulfilling or continuing the work on many projects so diligently started by the men and women

who preceded us. We owe our respect and praise, we owe our initiative, we owe our God given talents to this heritage to carry it and proceed in life with honor.

One of the challenges the AABP endowed upon its members at its inception was the dissemination of knowledge to fellow practitioners. I feel the AABP has done this task well in the past, evidenced by the content of our meetings and the desire to attend. Not only at the annual conference, but also the numerous district seminars that have been conducted, plus the activity within local and state groups in planning meetings. We have uncovered a wealth of knowledge from many practitioners as well as from educators and research men at the university level. I wonder how many of these men would have been missed if it had not been for AABP?

The second word - festival. The fraternalism of having a good time among our members is truly an attribute uncomparable in other organizations. My only regret is that I cannot remember all the veterinarians I have met. But I shall never forget most of them nor the enjoyable days I have experienced. Festival is not only celebrated this year, but it denotes the spirit of the future of AABP.

The last word, horizons; they are unlimited. If one

task seems fulfilled, there are two to take its place. The challenges of the cattle industry stand high in front of us. View those horizons with the same courage and foresight as the men and women did who conquered tuberculosis, as the practitioners, regulatory men and research people who are encompassing brucellosis, or other problems in the past. We in scientific agriculture are now faced with weighing the risk vs. benefit in all new research in the application to the food industry. We must do this with a sense of control and still not let our imagination and experimentation be obstructed. Many of the benefits are not only of value in the cattle industry, but also in the betterment of human health. These horizons may be found in the field, in the research laboratory, in the drug industry, in the regulatory office and in the educational centers. Put your best foot forward.

I have worked with many men in my years of practice, but I feel my association with the men and women of AABP are the greatest. The fellowship I have enjoyed with our executive secretary-treasurer and the editor of our journal has been more rewarding than my words can express. Heritage of AABP has been born in these two men. The unselfish hours spent by Dr. Harold Amstutz and Dr. Eric Williams are uncountable. The amount of continuing education passed on to us by these men has made bovine practice a little more simple. I want to personally thank them for myself and for AABP.

Finally, I would like to interject one challenge I see in bovine practice that has always been with us but looms more prominently now. It is that of public relations, mainly to the cattle industry. How do we sell ourselves? Or, how do we present ourselves to the cattlemen? I believe Dr. Mac Cropsey touched on this problem in his message as the president of AABP. It is still apparent to me provide you with added education and will continue to do this. But you the practitioner must also put forth the gun powder, so to speak, to explode this knowledge, this know-how. No one but yourself can sell your attributes.

We are in a competitive field. We are dealing

with an economic product. It is one of dollars and cents. We have to sell ourselves. that the nutrition specialist, the feed dealer, the drug peddler, the A-I technician, and other men as self-appointed specialists are trying to crowd into the field of veterinary medicine. They will try to do anything we should be accomplishing without the scientific knowledge that we have as a group. A goal I had set for myself this past year in AABP was to put forth the veterinarian as an unequalled aid to the livestock industry. AABP has tried to

During this past year I have spoken more times to livestock men as a group than veterinarians; state and national breed organizations, local twilight meetings, nutritional and management conferences, night agricultural schools. Each time my prime purpose was to sell veterinary medicine, never obviously, but indirectly. They need to know what we can do. I feel that any veterinarian that is asked to appear as a speaker, as a judge, as a teacher must oblige. You owe it to yourself, to your colleague, to your clients, to the livestock industry, to your country, and to your God. I do not feel this is unethical advertising. After all, don't let Him or veterinary medicine down with the talents He has provided.

Perhaps my message is not needed. Possibly everyone is working for these goals. But occasionally I know I need a little push. Maybe some one of you has a special way to sell veterinary medicine. Let us hear about it.

In closing I wish to thank everyone for the cooperation I have enjoyed this past year and for the help that has been extended. May I apologize for my shortcomings, for my wrongdoings and for goals I failed to accomplish.

On behalf of Dr. Robert Harris and his convention committee I want to personally extend an invitation to all of you to attend the meeting in San Francisco this December 8 through 11 where you may acquire just a bit more fuel for the pot.

August 15, 1976

L.C. Allenstein, D.V.M.
President

President-Elect

The new president-elect is Dr. Robert Harris, Turlock, California. He was raised on a farm in Illinois and has a B.A. degree from the University of Illinois. He received the D.V.M. degree in 1950 from Cornell University, Ithaca, New York.

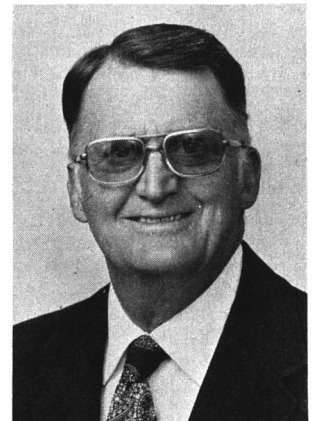
Dr. Harris set up general practice in Turlock, California, soon after graduation and has been in active practice to date. The practice is currently bovine, almost exclusively dairy, emphasizing herd work. Dr. Harris, with four associates, operates Lander Veterinary Clinic in Turlock.

Vice President Harris is currently serving as a trustee of Turlock High School in addition to his professional affiliations: Northern San Joaquin Veterinary Medical Association; California Veterinary Medical Association; American Veterinary Medical Association; and he has served as director of District 10, AABP, from 1969 to 1974.

Dr. Harris is the program chairman for this year's Convention in San Francisco.

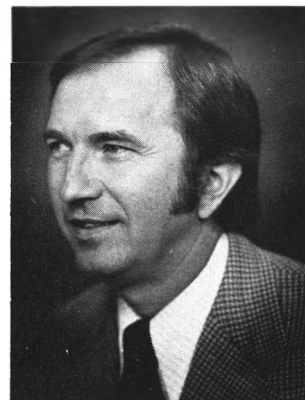
Dr. and Mrs. Harris have two sons and one daughter.

Robert J. Harris, D.V.M.
Turlock, California



Vice President

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



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

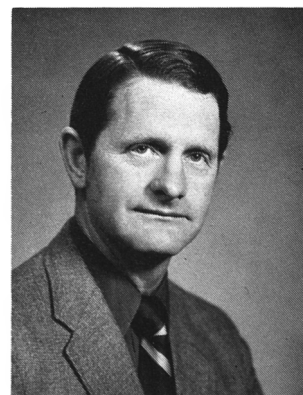
Executive Secretary-Treasurer



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

AVMA Delegate

Ben D. Harrington, D.V.M.
Raleigh, North Carolina



New Directors

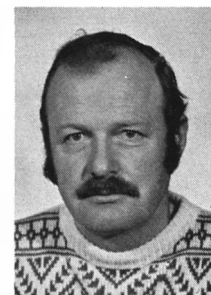
Glenn F. Hoffsis, D.V.M., was re-elected to his post as director for District 4.



Glenn F. Hoffsis
D.V.M.



Herbert C. Lloyd
D.V.M.



K. R. Armstrong
D.V.M.

Dr. Herbert C. Lloyd (Aub. 1964), Belle Glade, Florida, is the new director for AABP District 3.

Dr. Lloyd was born in Okeechobee City, Florida. He grew up in Belle Glade and was educated in the Palm Beach County Schools.

He graduated from the University of Florida with a B.S. in animal husbandry in 1956. Prior to this he spent 3 and one-half years in the Armed Services. He was a lieutenant in the Signal Corps, serving in Korea at the close of the war.

After graduation from the University of Florida he was employed as a market news reporter, worked in public relations for a Florida livestock market and was a manager of a ranch for two years.

He decided to continue his education and returned to study veterinary medicine at Auburn University. He received his D.V.M. from Auburn in 1964.

In 1965 he became the resident veterinarian for the Big B Ranch, Belle Glade, Florida. During this time the cattle operation was in the early stages of organization. Dr. Lloyd developed programs and procedures for all phases of cattle health, growth and breeding.

In 1971 he returned to private practice, buying the Everglades Animal Hospital in Belle Glade. He is associated with two other veterinarians in this practice at the present time.

He has continued his veterinary responsibilities with Big B

Ranch on a consultant basis. He is also a consultant and is involved in other consultation activities as well.

Dr. and Mrs. Lloyd have four children: Arlene is a junior at the U. of Fla.; Clarks is a freshman at Western Carolina; Jeanne is in middle school; and Tim is in intermediate school. They are members of the Baptist Church.

Dr. Lloyd is a Rotarian, member of the Florida Cattlemen's Association, Palm Beach Veterinary Society, FVMA, AVMA, Academy of Consulting Veterinarians, AVSSBS, and AABP.

K. R. Armstrong, D.V.M. (Ont. '61), Saskatoon, Sask., Canada, AABP District 13 (Canada) director, which includes provinces of British Columbia, Alberta, Saskatchewan and Manitoba.

Dr. Armstrong was raised on a dairy farm in Olds, Alberta. Graduated from Ontario Veterinary College in 1961; spent next eight years in general practice. Joined the faculty of the Western College of Veterinary Medicine (field service of the large animal clinic) in 1969. Became director of the field service section in 1971. Main interests are dairy cattle and herd health. Active in Boy Scout organization. Married; 3 sons.

In Memoriam

Robert S. Dickson, D.V.M.

Dr. Robert S. Dickson, Bakersfield, California, passed away on March 11, 1976, following a six-month illness.

Dr. Dickson represented District 10 on the AABP Board of Directors.

Dr. Dickson received the D.V.M. degree from Colorado State University in 1945. He was a captain in the U.S. Army Veterinary Corps, stationed at Sapporo, Japan, and Pasadena, Calif., 1946-49. He was engaged in general practice in Bakersfield Veterinary Hospital from 1949 to the present. Since 1960, his practice was limited to food producing animals. Dr. Dickson was a consultant and conducted feed trials for several pharmaceutical and feed companies. He served as a lecturer on animal diseases at Bakersfield College since 1970 and an associate clinical professor of veterinary medicine at the University of California at Davis since 1972.

Dr. Dickson was a past president of the Kern County VMA and was chairman of the agricultural professional interrelations committee of the California VMA from 1965 to 1974. He was a member of AVMA and a livestock and agricultural advisory committee member at the University of California at Davis.

Dr. Dickson served on the school board and was a member of the Bakersfield Rotary club.

Dr. Dickson's advice was widely sought and carefully given and in honor of his devoted service to a far-reaching community, he was selected as the 1975 Kern County "Cattleman of the Year." A State of California Member's Resolution commended Dr. Dickson on this honor.

Dr. Dickson is survived by his wife, Constance, and twelve children. Members of the AABP extend to them their deepest sympathy.



AABP President Visits Heritage Press

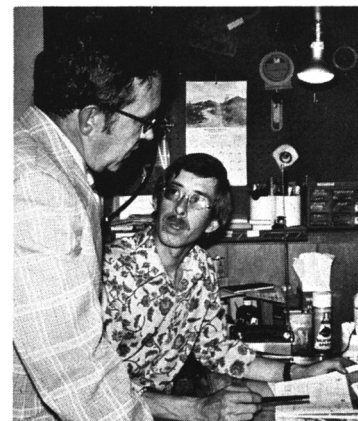
During a visit to Stillwater, Oklahoma, for the Conference for Veterinarians, Dr. Leland C. Allenstein, AABP president, took the opportunity to become acquainted with the owner and staff of Heritage Press, printer of *The Bovine Practitioner*.



Visiting with owner Dennis Reynolds and his wife, Corinne.



Above: Clara Lewis and Cheri Richardson discuss the layout of the 1976 issue with the president.



Right: Discussing some of his problems as advertising manager with the president.



*G. I. Alexander, B.V.Sc.
President*

INTERNATIONAL NEWS

Annual General Meeting

AUSTRALIAN ASSOCIATION OF CATTLE VETERINARIANS

May 9-20, 1977

President's Report (1975-76)

Dear Member,

It is my pleasure as president of the Association for the last twelve months to present this report on the activities of your Association on a federal level for the last twelve months. This is the second year during which I have been president and it has been a particularly difficult year for members and for the industries which they serve.

1. Australian National Cattlemen's Council (ANCC)

Our Association has continued as an associate member of this Council. I consider that this relationship is a very important one for our Association and is one which is well catered for by our secretary, Dr. G. R. Murray. The Australian National Cattlemen's Council has strongly supported our Association and the AVA in our endeavours to get the tuberculosis and brucellosis eradication schemes operational at a federal level.

Other activities of the ANCC of interest to the Association include the new scheme of carcass classification, the export of live cattle, quarantine risks, and swill feeding of pigs.

2. Survey into Rural Practice

The Australian Association of Cattle Veterinarians collaborated with its parent body, the Australian Veterinary Association, in the activities of a Task Force on the Stabilisation of Rural Practice. Dr. Glen Murray acted as a member of the task force, assisting the consultant, Dr. J. Gannon. The report of the consultant and task force was published as a supplement to the Australian Veterinary Journal in February 1976. This report highlighted a number of areas which will continue to concern the Association for many years. These are:

(i) Changes and trends in rural practice. There has been a trend towards reduced fire brigade practice, increased ambulance practice, increased preventive medicine and interchange of personnel.

(ii) The fee structure in rural practice warrants close study, including mileage subsidy schemes.

(iii) Relationships between rural practitioners and government veterinary services.

(iv) Taxation concessions.

(v) Education. The relevance of undergraduate education to the changing needs of rural practice. Continuing education also plays an important role in assisting rural practitioners.

As a result of the activities of the task force, a deputation has met the Minister for Primary Industry on March 8. The meeting was primarily concerned with support for tuberculosis and brucellosis eradication, but also ranged over aspects of rural veterinary practice. The Minister assured the deputation that assistance would be provided for brucellosis and tuberculosis eradication but that the Australian government wanted to act on some other pressing matters before it would act on the eradication programme.

3. Herd Health Programmes

I consider that these offer the best long-term prospects for stabilising rural veterinary practice. As you have been advised in the October 1975 newsletter, this Association was involved in submissions to the Industries Assistance Commission concerning a national dairy herd improvement scheme which incorporated herd health. These culminated in an integrated submission to the IAC on the subject.

In its report to the government in October 1975, the IAC commended the concept of such a broad national dairy herd improvement scheme. It recommended that some Australian government financial assistance be given, provided that further evaluation through a detailed benefit-cost study confirmed the benefits of the scheme outweigh the costs. The Commission is undertaking a benefit-cost study and ex-

pects to issue a report setting out the results in June 1976. Members will recall that herd health programmes, veterinary diagnostic laboratory services and mastitis monitoring are integral parts of the national herd improvement scheme.

To further the development of these services, the AVA was prevailed upon to make representations to the dairying research committee and the Australian meat research committee seeking continued support for these important investigations.

Consideration is now being given for a more detailed examination on a state basis of the detailed establishment of the national herd improvement scheme. This should finalise the investigations necessary to provide a detailed cost estimate of the scheme. It is expected that the results of all these analyses will be presented to the federal government about May 1977 for consideration in the 1977 budget.

4. Post-Graduate Committee - Refresher Course on Mastitis

Members of the Association were concerned with the initial organisation of the recent refresher course on mastitis held at Shepparton. The opportunity was taken at Shepparton to develop discussions on the place of mastitis control in herd health programmes.

Discussions are also proceeding with the veterinary director of the S.U. post-graduate committee in veterinary science on other courses. These have included neurology and inherited defects.

5. Industries Assistance Commission

Besides activities in relation to the enquiries into the dairy industry and the bovine brucellosis and tuberculosis slaughter compensation scheme, the IAC has issued an interim report on "Financing Rural

Research." If the interim recommendations remain in the final report, it is of interest to members that the Commission is recommending increased expenditure on regional research and a different method of administering regional research funds. Since these affect all industries, the net result as far as the cattle industries will be that the research effort will remain at the present level or even decline.

6. Meeting Programmes

The executive has prepared quite a diverse and interesting programme for the Melbourne A.G.M., as members will have already experienced.

We are now endeavouring to arrange that the A.G.M. in Perth in May 1977 adjourn to Kuala Lumpur after the Perth conference terminates. This adjourned meeting will last another week. The tentative programme will include sessions on (i) parasitology, particularly external parasites and haemoparasites; (ii) arboviruses, including ephemeral fever, Ibaraki disease, Akabane disease and Gembrana disease; and (iii) tropical and sub-tropical dairy and beef cattle production. In addition it is hoped to arrange some surgery sessions with Dr. Whittick (see below).

At this stage, planning is still rather tentative but members will be advised when the programme and organisation is more concrete.

7. Concluding Comment

I wish to thank all members of the executive for their help. In particular, Dr. Glen Murray has been his usual efficient self, giving outstanding service in a very trying and difficult year.

G. I. Alexander, B.V.Sc., President

Annual General Meeting, A.A.C.V. - May 9-20, 1977

The Australian Association of Cattle Veterinarians proposes to hold its 1977 Annual General Meeting and Conference from May 9-20, 1977, at Perth in conjunction with its parent body, the Australian Veterinary Association, and then in Kuala Lumpur in association with the Malaysian Veterinary Association.

The meeting in Perth will follow the format adopted in Hobart and Melbourne. The meeting in Kuala Lumpur is expected to cover five days. Three days will be devoted to meetings and two days to tours.

1. Scientific Programme

The programme in Kuala Lumpur is expected to comprise three broad areas:

(i) *Parasitology and Haemoparasites*. This is a field of particular interest to Malaysia and the tropical developing countries and is a field where there is a wealth of information in Australia. It is expected that the symposium will cover parasites of cattle in particular, with both Australian and overseas speakers.

(ii) *Arboviruses*. There is an increasing volume of

data on arboviruses both in Australia and overseas and the time is opportune for Australian and overseas workers to exchange the latest information on the viral diseases which are becoming better understood.

(iii) *Tropical Beef and Dairy Cattle Production*. This field is of particular interest for a number of reasons. Tropical Australia has been pre-eminent in the world in the development of breeds of beef cattle for the tropics incorporating heat tolerance, tick resistance, foraging ability and productive performance. Australia has been responsible for the development of one of the most successful tropical dairy cattle breeding programmes in the world in which productive characters, heat tolerance and tick resistance have been combined in animals possessing high levels of each character. Both beef and dairy cattle breeding is being undertaken to an increasing degree in Southeast Asian countries and the interchange of information would have particular benefit to participants from these regions.

It is hoped that it will be possible for speakers to come from Southeast Asian and other countries to

develop a truly international meeting. Support for their attendance is being sought.

2. Travel Arrangements

The ASAVA is organising its first Asian Pacific Conference in Singapore in May 1977, at this time following the AVA Conference in Perth. Guest speakers will include Professor Sten Erik Olsson from Sweden and Dr. W. Whittick from Kuala Lumpur University.

The ASAVA is negotiating for special tour-conference packages. It is proposed that the AACV members will join with the ASAVA in their conference travel arrangements to obtain the advantages of group travel. The type of tour being negotiated is roughly as follows:

(a) Travel to Singapore from Sydney with Perth as the stop-over on the way to Singapore. This would presumably require assembly at Sydney for the group travel. Separate Melbourne-to-Singapore travel may be arranged if sufficient people are interested.

(b) Return travel from Singapore to Sydney will be arranged for groups either the 21-22 May, or 28-29 May.

(c) Internal travel—Singapore to Kuala Lumpur and accommodation for the period of the conference will be organised on a group basis.

(d) People wishing to stay for the additional week after the conference and undertake further travel would need to make these arrangements privately or through the travel agency finally approved for the conference.

3. General Comments

It is hoped that this additional tour to Kuala Lumpur with the conference can be arranged for very little additional cost to the Perth conference. When further details are known, intending participants will be advised.

The ASAVA is inviting AACV members to join them in their conference at Singapore should they wish.

G. I. Alexander, B.V.Sc., "Convenor"

Dr. G. I. Alexander, immediate past president of the AACV, has been elected president-elect of the Australian Veterinary Association.

Officers of Australian Association of Cattle Veterinarians

Officers: 1976-77

- President D. I. Bryden
- President-Elect J. Malmo
- Immed. Past President G. I. Alexander
- Hon. Secretary G. R. Murray
- Treasurer L. N. Murray

State Representatives:

- Victoria R. P. Knight (J. Malmo)
- South Australia (in abeyance)
- N.S.W. G. J. Cole (P. Johnston)
- Northern Territory C. McCool
- Western Australia A. L. Staaden (R. H. Casey)
- Tasmania A. R. Topping (I. Crothers)
- Queensland L. W. Allan (K. E. Wells)



Douglas I. Bryden, B.V.Sc.

The New President

Douglas I. Bryden, B.V.Sc., M.A.C.V.Sc.


Dr. Bryden graduated with honours from the University of Sydney in 1963. Since graduation he has been involved in rural practice with a special interest in beef cattle and for most of this time he has worked in his present practice in Tamworth, N.S.W.

Dr. Bryden was elected to a two-year term as chairman of the New England branch of the AVA and has served as a member of the N.S.W. divisional sub-

committees of Departmental Liaison and Rural Practice.

In 1974 he was admitted to membership in the Australian College of Veterinary Scientists by examination in the field of beef cattle medicine. Dr. Bryden is currently secretary of the post-graduate committee in veterinary science of the University of Sydney, and is an AACV representative on the Federal Council of the Australian Veterinary Association.

© Copyright American Association of Bovine Practitioners; open access distribution.



PITMAN-MOORE, INC.
Where better ideas are put into practice

One thing your bovine clients cannot afford is economic loss due to interrupted weight gain, milk production or calving cycles. Therefore, safe and effective immunization against disease is critical. Pitman-Moore can help you satisfy this requirement with bovine biologicals that possess the versatility to fit perfectly into any production program. Consult your Pitman-Moore representative for complete details concerning the effectiveness and economy of a Pitman-Moore bovine health care program for your clients' herds; or write: Large Animal Product Manager, Pitman-Moore, Inc., Washington Crossing, NJ 08560.

Rhivax*
Bovine Rhinotracheitis Vaccine
Modified Live Virus, Bovine Tissue Culture Origin

Rhivax* L
Bovine Rhinotracheitis Vaccine—
Modified Live Virus, Bovine Tissue Culture Origin
Leptospira Pomona Bacterin

Rhivax* P
Bovine Rhinotracheitis—
Parainfluenza 3 Vaccine
Modified Live Virus, Bovine Tissue Culture Origin

Rhivax* P + Pasteurella
Bovine Rhinotracheitis—
Parainfluenza 3 Vaccine
Modified Live Virus, Bovine Tissue Culture Origin
Pasteurella Haemolytica—
Multocida Bacterin
Bovine Isolates

Mucovax* 3
Bovine Rhinotracheitis—Virus
Diarrhea—Parainfluenza 3 Vaccine
Modified Live Virus, Bovine Tissue Culture Origin

Mucovax* 3 + Pasteurella
Bovine Rhinotracheitis—Virus
Diarrhea—Parainfluenza 3 Vaccine
Modified Live Virus, Bovine Tissue Culture Origin
Pasteurella Haemolytica—
Multocida Bacterin
Bovine Isolates

Leptogen*
Leptospira Pomona Bacterin

Pasturgen*
Pasteurella Haemolytica—
Multocida Bacterin
Bovine Isolates

The point of no diminishing returns.

*Trademark

By the time your client spots pneumonia, he's losing money fast.

Treat it with Tylan[®] Injection. The sooner the better.

In cattle, Tylan 200 Injection is effective for the treatment of contagious calf pneumonia (pneumoenteritis), diphtheria, foot rot (necrotic pododermatitis), metritis and pneumonia.

In dairy cattle, Tylan 200 Injection is effective for the treatment of contagious calf pneumonia (pneumoenteritis), diphtheria, foot rot (necrotic pododermatitis), metritis and pneumonia.

In hogs, Tylan 50 and Tylan 200 Injection are effective for the treatment of pneumonia, vibronic dysentery, erysipelas, and arthritis due to pleuropneumonia-like organisms.

