

American Association of Bovine Practitioners
Twenty-First Annual Conference

Calgary, Alberta, Canada

September 28-October 1, 1988

Specialty Seminars September 25-October 1

Theme: Preparing and selling yourself in a time of changing bovine practice—working smarter not harder.

**GREETINGS FROM THE PRESIDENT
DONALD B. HUDSON**

This is a personal invitation to all veterinarians to plan to attend the 21st Annual Convention in Calgary Alberta, Canada. Calgary is the home of the Calgary Stampede, the Winter Olympics, and is adjacent to the beautiful Canadian Rockies. The city is clean, well planned, fast growing, and is the oil capital of Canada. The hotels and adjoining convention facilities are in downtown Calgary, which create a congenial atmosphere. Plan to bring the family and enjoy Western Canadian hospitality.

The early fall should be appealing to many practitioners. Keith Sterner, Tom Fuhrmann, and their committees have put together excellent educational sessions and seminars to advance our expertise in bovine medicine. Gordon Atkins and his local arrangements committee have planned tours and festivities to see the sights and enjoy the local culture.

Again, let me extend a warm invitation to our first meeting in Calgary. Support your program planners who have worked many long hours to provide this outstanding educational experience.

LaVonne and I look forward to seeing you in Canada.

**WELCOME TO CALGARY
Keith Sterner—Program Chairman**

Calgary 1988, by now many of you may feel as well acquainted with this city as you might your own home town. The television coverage of the Winter Olympics, the promotional folder and the program committees' descriptive efforts in the newsletter should all have contributed to the best previewed convention site and program that AABP has ever held. What a site Calgary is, truly a city that photos cannot reveal its unique beauty. The splendor of the nearby Canadian Rockies simply defies description. Lake Louise is considered one of the seven natural wonders of the World. To those of you attending this year's conference, you will find ready access via the airlines. For those with a bit more time, give serious consider-

ation to either driving or taking the Canadian National Pacific trains. You can disembark directly into the Palliser Hotel from the Canadian Pacific train. Our earlier meeting this time should give you a chance of seeing some of this region's special hues of autumn and better chance to depart during a less busy practice season.

First time visitors will be impressed with how new and modern the downtown area is. Calgary is the oil capital of Canada. While there are large numbers of new buildings, there are many historical and preserved architectural specimens as well. Wives and family will complain that there simply isn't enough time to see and shop at all of the sights and stores. The best part about downtown Calgary is that it is alive, clean and vibrant with things of interest for every age and taste. Calgary's beautiful parks along the Bow River are within easy walking distance and there are countless jogging and biking paths to take advantage of.

This year's theme "Preparing and Selling Yourself in a Time of Changing Practice—Working Smarter, Not Harder" well reflects the charge this year's Program Committee gave to its speakers. Your continuing education needs are being addressed in a direct and forthright manner with sessions and seminars designed to meet not only the technical requirements of practice but the business aspects as well. You won't be disappointed. The Local Arrangements committee headed by Gordon and JoAnne Atkins have prepared a true visitor's delight that will give new meaning to the words "Western Hospitality". One look at the activities and tours offered should convince even the most skeptical that the days will pass all too quickly. For those traveling with youngsters, the Drumheller Badlands (A UNESCO World Heritage Site), the Tyrrell Palaeontologic Museum, and the Prehistoric Park at the Zoo offer a fantastic opportunity to turn this visit into a life long remembrance. You owe it to yourself and your family to take advantage of this very special site and conference.

Peruse this program and you'll agree that there is truly something for everyone.

**MESSAGE FROM THE
LOCAL ARRANGEMENTS COMMITTEE**

Gordon and JoAnne Atkins

The Western Canadian district of the A.A.B.P. is delighted to have the opportunity to host their first ever A.A.B.P. convention. To that end we will endeavor to make A.A.B.P. the best ever. There are several unique features about this year's A.A.B.P. which make it imperative for you to attend. First of all, it is earlier in the year at a time when the weather will be warm and sunny and also during a less busy practice season. We hope this will enable more practitioners to attend.

Secondly, the location of the 1988 A.A.B.P. is on the doorstep of some of the most magnificent scenery in the world and in a city whose hospitality won the hearts of millions throughout the world during the Winter Olympics.

Thirdly, while this convention will be one of the best ever it will also be one of the least expensive. Our American friends will have an added exchange advantage with the American dollar being valued at approximately \$1.25 Canadian. The hotel accommodation, which is superb, will range from \$55 to \$60 American per night.

If all this is not enough to encourage you to come, then let us assure you that both the scientific and social programs are outstanding. Various portions of the scientific program have been highlighted in the monthly newsletters. We hope that the summary of the tours and social programs outlined in this program will be successful in convincing you to join us in Calgary. The entire organizing committee under the direction of Keith Sterner has worked hard to make your visit to Western Canada informative, enjoyable, and memorable.

REGISTRATION

Registration Desk—Calgary Convention Center
Tuesday, September 27—7:00 a.m.-5:00 p.m.
Wednesday, September 28—7:00 a.m.-5:00 p.m.
Thursday, September 29—7:00 a.m.-5:00 p.m.
Friday, September 30—8:00 a.m.-5:00 p.m.
Saturday, October 1—8:00 a.m.-5:00 p.m.

AUTOTUTORIALS

Angus & Northcote Rooms—Convention Centre
Milton Adsits In Charge
Wednesday, September 28-
1:00 p.m.-5:00 p.m.; 7:00 p.m.-10:00 p.m.
Thursday, September 29-
9:00 a.m.-5:00 p.m.; 7:00 p.m. 10:00 p.m.
Friday, September 30-

9:00 a.m.-5:00 p.m.; 7:00 p.m. 10:00 p.m.

Saturday, October 1—9:00 a.m.-5:00 p.m.

Autotutorials will be available for your viewing. We hope you will use, enjoy and learn from them. This year we will be trying expanded hours. Students from Saskatoon Veterinary College have volunteered to man the AV room in the evening from 7:00 p.m. to 10:00 p.m.

CALGARY WELCOME ROUND-UP

Wednesday, September 28

5:00 p.m.-7:00 p.m.

Macleod Hall Salon C&D & Macleod Foyer
Don't miss this opportunity to renew old friendships and make new ones while enjoying an informal hot buffet meal, live western music, cash bar, and your first sampling of Calgary hospitality.

OPENING CEREMONIES

Wednesday, September 28

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

Macleod Hall Salon A&B

Welcome and Invocation—Dr. Gordon Atkins
President's Welcome—Dr. Donald Hudson
Greeting from the Alberta Veterinary Medical Assoc.
Dr. Bruce Grahn
Civic Welcome and White Hat Ceremony

KEYNOTE SPEAKER

Wednesday, September 28

7:30 p.m.-8:30 p.m.

Macleod Hall Salon A&B

Doc Blakely, a world famous humorist from Wharton, Texas, will be our keynote speaker. His humor, wit and down-to-earth intellect will be sure to start this convention off on exactly the right kind of note. James Blakely, B.S., M.S., Ph.D. (Animal Science) is a syndicated columnist, author, and raconteur with a message to tell and the ability to keep you laughing as never before. Don't miss this one!

SEMINAR 1

Quality Milk

Objective: For the dairy practitioner to gain in-depth understanding of basic areas of mastitis control including mastitis microbiology, milking system function, large and small herd mastitis management concepts and milk quality evaluation.

Fee: \$500.00

Level: Intermediate

Limit: 20

Location: Glengarry Room—Convention Centre

Date: September 25, 26, 27 (Sunday-Tuesday)

Time: 8:00 a.m.-10:00 p.m. (Lunch included)
 Coordinator: Jim Jarrett, DVM (404)235-2122
 Faculty: Paul Blackmer, DVM
 John Dahl, DVM
 Bob Bushnell, DVM
 Jim Jarrett, DVM

Description: "Quality Milk" continues to be the most popular AABP seminar. Four outstanding practitioners/educators combine to offer the most complete, integrated course available to the dairy cattle veterinarian who wishes to offer mastitis/milk quality service to his clients. Basic principles and sophisticated techniques are all presented in a practical approach format that involves discussion among all participants in the seminar. Extensive use of video tapes will emphasize "hands on" experience in an efficient, classroom setting. This seminar "brings everything together" and will stimulate and prepare you to offer a complete mastitis control program to your clients.

SEMINAR 2
Advanced Milk Quality

Objective: For the dairy practitioner already involved in mastitis control to gain further experience in solving problem herd situations with minimum economic investment; to determine the cause of herd problems, develop practical control programs for individual herd and to see how to monitor progress to evaluate these programs.

Fee: \$150.00
 Level: Advanced (pre-requisite: completion of "Quality Milk" Seminar or equivalent mastitis control work experience)
 Limit: 30
 Location: Glengarry Room—Convention Centre
 Date: September 29 (Thursday)
 Time: 8:00 a.m.-5:00 p.m.
 Coordinator: Woody Pankey (802)656-2650
 Faculty: Bob Eberhardt, DVM
 Woody Pankey, Ph.D.
 K. Larry Smith, Ph.D.

Description: This is a one-day seminar for veterinarians already heavily involved in mastitis control work. This seminar will demand your active participation. After enrolling in this seminar, you will be asked to submit your problem herd questions and case studies a few weeks prior to the meeting. The morning portion of the session will be lecture-style covering the topics of environmental pathogens, exotic pathogens, and Staph species (coagulase negative staphylococci), method of analysis for herd situations utilizing records and bacteriological monitoring systems, and developing specific control programs tailored for

unique herd situations. The afternoon session will involve discussions and questions about your case histories. The three presenters will lead all participants through problem-solving techniques. The faculty represents some of the best researchers and practitioners tackling some of the most challenging but real-life mastitis/milk quality problems that practitioners face.

SEMINAR 3
Basic Dairy Nutrition

Objective: For the dairy cattle practitioner to gain expertise and practical training in the areas of dairy cattle nutrition to service the dairy client with greater skill and confidence.

Fee: \$500.00
 Level: Intermediate
 Limit: 28
 Location: Glenview Room—Convention Centre
 (Includes 1-day farm visit)
 Date: September 26, 27, 28 (Monday-Wednesday)
 Time: 8:00 a.m.-10:00 p.m.
 Coordinator: Reny Lothrop, DVM (519)623-3347
 Faculty: I. E. (Larry) Chase, Ph.D.
 B. W. (Brian) McBride, Ph.D.
 Mrs. Gwen McBride, MSc
 Jack Rodenberg, MSc
 Reny Lothrop, DVM
 Kerry Lissemore, DVM
 Dave Chalack, DVM

Description: This is a comprehensive, three-day course for veterinarians featuring a problem-solving approach to bovine nutrition. Instruction is provided by an integrated team of university researchers, extension specialists and practicing veterinarians. The first day of the seminar will be lecture-style in a classroom setting to cover areas of basic nutrition. The study farms will be visited on the second day and their nutritional status examined to demonstrate on-farm collection of appropriate data for ration formulation and appraising feed procedures. The third day will be a classroom workshop session utilizing the information accumulated over the previous days to develop specific approaches to feeding dairy herds. "Hands on" training using a microcomputer will be part of the sessions. Although not absolutely necessary, participants will realize greater benefit from this course if they are familiar with the Lotus 123 computer program.

SEMINAR 4
Advanced Dairy Nutrition

Objective: To provide the dairy cattle veterinarian already providing their clients with nutritional serv-

ices with advanced coverage of current topics in nutrition.

Fee: \$250.00

Level: Advanced (Pre-requisite: previous AABP Nutrition Seminars or extensive field experience in nutrition consulting.)

Limit: 30

Location: Glengarry Room—Convention Centre

Date: September 28 (Wednesday)

Time: 8:00 a.m.-10:00 p.m.

Coordinator: John Fetrow (919)829-4299

Faculty: Bill Chalupa, Ph.D.

James Ferguson, VMD

David Galligan, VMD, MBA

Roger Hemken, Ph.D.

Mike Hutjens, Ph.D.

Charles Sniffen, Ph.D.

Description: This is truly a seminar for the nutritionist who wants to interact with active researchers, the experts in each specialty of dairy cattle nutrition. Topics such as new NRC requirements, fats in dairy diets and feeding by-pass protein will be discussed. Utilizing feed additives, by-product feeding and evaluating the cost/value of feeds will be some of the subjects covered. Additional time will be devoted to feeding for reproduction, feeding the dry cow and feeding the somatotrophin cow. This will be a lengthy day of presentations in a lecture format with ample time allocated for your questions. Truly for the nutritionist doing extensive nutritional consulting currently.

SEMINAR 5

Embryo Transfer:

The Practitioner's Role in ET Programs

Notice: This is a two part seminar. You may enroll in both parts or only one part.

Objective: What every veterinarian needs to know to assist his clients in their embryo transfer program—including knowledge of basic skills, husbandry, drug therapy and scheduling to permit the DVM to gain insight into consideration of whether or not to begin his own embryo transfer program.

Part I: Lecture

Part II: Wet Lab

Fee: PART I: \$50.00

PART II: \$75.00

Level: Introductory

Limit: Part I: 50

Part II: 50

Location: Part 1: Glenmore Room—
Convention Centre

Part II: Alta Genetics Transfer Facility

Date: September 30 (Friday)

Time: Part I: 8:00 a.m.-12:00 Noon

Part II: 12:00 Noon-6:00 p.m.

Coordinator: Martin Wenkoff, DVM (403)239-8882

Faculty: Reuben Mapletoft, DVM

Bob Janzen, DVM

Brian Shea, Ph.D.

Description: During this two-part, day-long seminar you will become exposed to fundamental embryo transfer techniques. The morning lecture session will outline what you need to know to participate in your client's ET program, including knowledge of basic skills, husbandry, drug therapy and scheduling. The potential for increasing pregnancy rates over AI conception rates using ET during summer months in the southern US will also be discussed. The afternoon wet lab will be conducted at Alta Genetics during which embryo collection and transfer techniques will be demonstrated by the staff there. Embryo morphological grading will be conducted on fresh bovine embryos. You will have the opportunity to collect embryos from slaughterhouse reproductive tracts. You will see what it takes to start your own ET program on a local basis after completion of this course. A basic but comprehensive exposure to embryo transfer technology.

SEMINAR 6

Advanced Embryo Transfer

Objective: For the skilled ET practitioner to further his knowledge and update himself on current advances in theriogenology, cryopreservations and evaluating and handling frozen embryos.

Fee: \$100.00

Level: Advanced (Pre-requisite: completion of previous AABP AT seminars or extensive field experience)

Limit: 30

Location: McIntyre Room—Convention Centre

Date: September 30 (Friday)

Time: 8:00 a.m.-6:00 p.m.

Coordinator: Joe Wright, DVM (512)538-2269

Edwin Robertson, DVM (615)869-3666

Faculty: Al Barth, DVM

Jack Britt, PhD.

Reuben Mapletoft, DVM

Robert Rowe, DVM

Edwin Robertson, DVM

Description: Newly added this year is a section on evaluation of frozen bovine semen and the importance of evaluating semen in ET programs (Dr. Al Barth). Folliculogenesis and endocrinology will be presented in a practical manner and how it relates to ET (Jack

Britt, Ph.D.). Superovulation procedures, new drugs, new regimes and insemination schedules will be presented (Dr. Reuben Mapletoft). Scheduling as it applies to combinations of freezing and transfer schedules and techniques for thawing and implanting frozen embryos will be discussed (Dr. Edwin Robertson). A section on evaluation morphology of frozen-thawed embryos will be included (Dr. Joe Wright). Cryobiology and the physiological principles of dehydration and rehydration in the freeze-thaw process will be highlighted. Latest developments on the recent successes that have been made in sexing, multiple splitting of embryos and vitrification will be presented (Dr. Robert Rowe).

SEMINAR 6A

A Repeat of Seminar 6 if Seminar 6 Fills

Location: Glencoe Room—Convention Centre
Date: October 1 (Saturday)
Time: 8:00 a.m.-6:00 p.m.

SEMINAR 7

Approaches to Common Bovine Medical/Surgical Cases Encountered by the Practitioner

Objective: For the general practitioner to aid in decisionmaking and alternative approaches to treatment of medical and surgical problems of cattle.

Fee: \$75.00
Level: Introductory to Intermediate
Limit: 40 (repeat of this seminar if oversubscribed)
Location: Glengarry Room—Convention Centre
Date: September 30 (Friday)
Time: 8:00 a.m.-12:00 p.m. (may also be offered on same day 1:00 p.m.-5:00 p.m. if morning session fills)
Coordinator: Michael Rings, DVM (614)292-6661
Faculty: Glen Hoffsis, DVM
Bruce Hull, DVM
Michael Rings, DVM

Description: Do you want to improve your diagnostic and treatment skills? By utilizing both mundane and unusual case presentations, the three presenters of this seminar will lead you through discussions of medical and surgical problems. They will focus on evaluation of laboratory data, differential diagnoses, alternative treatments and advances in technology applicable to the cases. Limited enrollment and use of video tape equipment will allow you to participate in these case discussions.

SEMINAR 7A

A Repeat of Seminar 7 if Seminar 7 Fills

Location: Glengarry Room Convention Centre

Date: September 30 (Friday)
Time: 1:00 p.m.-5:00 p.m.

SEMINAR 8

Techniques for Evaluation and Retraining of Herdsmen—Inseminators in Artificial Insemination Methods

Objective: For the bovine herd health veterinarian to gain new skills and information on how to provide thorough evaluation and retraining of artificial insemination skills for his clients.

Fee: \$150.00
Level: Intermediate
Limit: 20
Location: McIntyre Room—Convention Centre
Date: September 28 (Wednesday)
Time: 8:00 a.m.-10:00 p.m.
Coordinator: Phillip Senger (509)335-4018
Faculty: Phillip Senger, Ph.D.
Charles Gardner, DVM
George Gallagher, Ph.D.
Ray Nebel, Ph.D.

Description: Are you able to offer competent evaluation and advice to your clients in the area of insemination technique and semen handling? This course will present an indepth study of insemination technique and semen handling. The course will show how to use standard radiographic equipment to appraise palpation, syringe tip placement and seminal deposition in the reproductive tract of the cow. Also covered will be semen handling, how to pinpoint the inseminator as the problem, a practitioner's experience in administering AI evaluation and retraining. Afternoon session will be hands-on in which all participants will be evaluated using radiographic techniques. Participants will also be taught how to use these methods to help herdsmen-inseminators improve AI skills. A three-hour evening session will be devoted exclusively to discussion and demonstration of progesterone assay kits. Practical use of this technology as well as descriptions of the good and bad points of each kit will be presented by a dairy scientist.

SEMINAR 9

Monitoring the Dairy Herd using Microcomputers

Objective: For the production medicine oriented dairy practitioner with microcomputer experience to gain a clearer understanding of identifying, collecting and analyzing performance criteria on all aspects of a dairy operation.

Fee: \$495.00
Level: Advanced (Pre-requisite: AABP computer seminars or some familiarity and use of mi-

crocomputers. Participants will be given a Lotus 123 tutorial to complete before the seminar.)

Limit: 30

Location: Glenview Room—Convention Centre
(includes 1 day farm visit)

Date: September 25, 26, 27 (Sunday-Tuesday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: Bob Harman (714)627-7545

Faculty: John Fetrow, DVM
David Galligan, DVM
Bob Harman, DVM

Description: This three-day course includes two days in the microcomputer laboratory and one day on a local dairy. During the first day, you will learn the software, including spreadsheets, database managers, and communication software and will develop an approach to organizing production data for analysis. On the second day you will actually go to the dairy to view the facilities and management and to collect the performance data available. The third day will be devoted to analyzing the data, preparing reports and developing strategies to present to the dairy owner or manager which demonstrate potential improvement in profitability. IBM compatible computers and a variety of software will be available for use by participants. Some take-home software will be provided with hand-outs. This seminar was new and extremely successful last year; the faculty returns with experience and new ideas for you to learn from this year.

SEMINAR 10

Monitoring the Dairy Herd using DHIA Records and Other Hand Calculated Information

Objective: For the dairy practitioner servicing smaller herds to improve his data collection and record analysis for delivering improved herd health service in all aspects of the small dairy.

Fee: \$200.00

Level: Basic

Limit: 30

Location: Glencoe Room—Convention Centre

Date: September 27 and 28
(Tuesday and Wednesday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: Ken Nordlund (218)736-6961

Faculty: Ken Nordlund, DVM
Jeff Reneau, DVM

Description: This 2-day seminar will focus on delivering reproduction, mastitis control, nutrition and replacement rearing programs. Record analysis including use of DHIA records and other supplemental records will be discussed to demonstrate how to meas-

ure progress, identify problems and motivate change. An emphasis will be on how to utilize records and other techniques on the farm with the client rather than at your office. Several herd problemsolving examples will be completed with participants during the course of the seminar. This seminar has been expanded and modified as a result of its overwhelming success and acceptance last year.

SEMINAR 11

Nutritional Monitoring of the Dairy Herd

Objective: For the production medicine oriented dairy practitioner to learn how to assess the impact that nutrition and feeding management can have on production.

Fee: \$130.00

Level: Intermediate (Assumes general understanding of principles of nutrition in the dairy cow)

Limit: 30

Location: McIntyre Room—Convention Centre

Date: September 29 (Thursday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: David Galligan, VMD, MBA
(215)444-5800

Faculty: Linda Baker, VMD
Larry Chase, Ph.D.
Jim Ferguson, VMD, MS
Charles Sniffen, Ph.D.
Dave Galligan, VMD, MBA

Description: Can you have a major impact on your dairy client's profitability by advising him on feeding? If so, you need to demonstrate that the changes you recommend will increase his production and profitability. This production medicine seminar addresses only one management area of the dairy farm—feeding the herd to maximize profitability. You will learn not only how ration formulation and feed bunk management affect production, but you will also see which production parameters are influenced by feeding schemes. You can learn how to feed for production, how to measure and interpret specific production indexes, and how to justify your nutritional service to your client. This seminar teaches practical application of the nutritional principles you already know.

SEMINAR 12

Monitoring the Dairy Herd Replacement Program: Culling Decisions and Monitoring Heifer Replacement Programs

Objective: For the production medicine oriented dairy practitioner to gain an understanding of how to develop culling policies based on risk-assessment and

economic potential of individual cows: then to evaluate young stock performance based on production monitoring criteria.

Fee: \$160.00

Level: Introductory

Limit: 30

Location: Glenmore Room—Convention Centre

Date: September 29 (Thursday)

Time: 8:00 a.m.-5:00 p.m. (7:00 p.m.-9:00 p.m. optional hands-on computer time)

Coordinator: Larry Hutchinson (814)863-2160

Faculty: Ian Dohoo, DVM, Ph.D.

Art Donovan, DVM

A. J. Heinrichs, Ph.D.

Larry Hutchinson, VMD

Description: Dairy profitability is influenced greatly by management decision-making of herd replacements and cull cows. The progressive dairy practitioner can have a major impact on dairy clients by assisting them in making appropriate herd replacement decisions. This day-long seminar will both challenge you and provide the tools to monitor heifer growth rates (height/weight measurements) and to assess nutritional programs, health limitations and reproductive efficiency expectations of growing heifers. Equally, attention will be paid to evaluating culling policies in the dairy herd by applying risk-assessment principles to culling decisions. With the information in this seminar, you will be able to show your dairy clients that developing a sound culling practice impacts positively on his profitability; and that assessing heifer performance criteria will lead to higher producing, more profitable herd replacements. The optional evening session will allow you to work with the instructors on several software programs available for heifer monitoring and culling decisions.

SEMINAR 13

Measuring the Impact of Reproductive Performance on the Herd

Objective: For the seminar registrant to assess reproductive status and identify reproductive constraints in small and large dairy herds; and to design, monitor and evaluate reproductive programs. Participants will make economic assessments of their own programs and specific management/treatment strategies.

Fee: \$150

Level: Intermediate

Limit: 30 (repeat if this seminar is oversubscribed)

Location: Glenview Room—Convention Centre

Date: September 29 (Thursday); May be offered again on October 1, Saturday

Time: 8:00 a.m.-10:00 p.m.

Coordinator: Leon Weaver (209)688-1731

Faculty: Leon Weaver, VMD

Brad Seguin, DVM, Ph.D.

Jack Britt, Ph.D.

Ray Nebel, Ph.D.

Description: Routine rectal palpation is a well-established part of a practitioner's fertility programs. But do you do enough with all the information that you generate from palpating cows? Can your reproductive program be expanded to assess your client's herd reproductive performance so that he can make changes that will make him more money? This day-long seminar will show you how to offer production medicine service by discussing four specific areas: measuring the impact of reproductive performance on the herd; the effect of heat detection and breeding management decisions; economic valuation of reproductive costs; and evaluating specific treatment strategies. A three-hour evening session will be devoted exclusively to discussion and demonstration of progesterone assay kits. Practical uses of this technology as well as descriptions of the good and bad points of each kit will be presented by a dairy scientist.

SEMINAR 13A

A Repeat of Seminar 13 if Seminar 13 Fills

Location: Glenview Room—Convention Centre

Date: October 1 (Saturday)

Time: 8:00 a.m.-10:00 p.m.

SEMINAR 14

Cost Effective Veterinary Service for Feedlot Clients

Objective: For the general cattle practitioner to develop a clear understanding of the fundamental skills required to serve the feedlot sector.

Fee: \$100.00

Level: Basic

Limit: 30

Location: Glenmore Room—Convention Centre

Date: September 28 (Wednesday)

Time: 8:30 a.m.-5:00 p.m.

Coordinator: Kee Jim, DVM (403)938-4171

Faculty: T. L. Church, BSA, DVM

P. T. Guichon, DVM

E. D. Janzen, DVM, MVS

G. K. Jim, DVM

T. Jordan, DVM

R. Smith, DVM

J. C. Thomas, DVM

Description: A one-day seminar from which you should emerge with a clear understanding of the fundamental skills required to provide veterinary consulting to feedlots. The first part of the seminar

will describe the feedlot production system, deal with feedlot politics, define the job description of the feedlot veterinarian and the veterinary patient/client relationship. The second part will outline specific areas of veterinary service including: establishing appropriate record systems; computerized records; evaluation of programs you implement; accumulating, presenting and implementing current information into a plan of action for feedlot management personnel. By the end of the day some of the best feedlot consultants in North America will provide you with the principles, philosophy and strategy required to provide cost effective service to feedlot clients.

SEMINAR 15

Improve Profitability for your Cow-Calf Producers

Fee: \$125.00

Level: Intermediate

Limit: 40

Location: Marquis Room—Palliser Hotel

Date: September 29 (Thursday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: Ken Odde, DVM, Ph.D. (303)491-6923

Faculty: Gene Deutscher, Ph.D.

Norm Dalsted, PhD.

Ken Odde, DVM, Ph.D.

Description: This day-long seminar will assist the practitioner to focus on information necessary to help cow-calf producers enhance efficiency and net profitability. Through it you will see how production medicine principles are applied to cow-calf operations. Case studies of Colorado Beef Cattle Integrated Resource Management herds will be used as examples of "how to" cost justify veterinary service involvement with your cow-calf herds. The seminar will begin with an overview of cow-calf economic efficiency—how and when biological and economic efficiency differ. Then the faculty will lead you through discussion of factors influencing pounds of calf weaned per cow exposed including heifer selection, development and breeding, post-partum cow reproduction and weaning weights. Factors influencing annual cow costs will be identified. The discussion will culminate with examples of how to integrate production, health and financial information to maximize profitability for your client.

SEMINAR 16

Marketing Veterinary Medicine: Practitioners Can Sell Their Knowledge and Services

Objective: For the practitioner to learn the framework from which to develop the skills required to market his knowledge and service.

Fee: \$90.00

Level: Basic

Limit: 50

Location: Glencoe Room—Convention Centre

Date: September 30 (Friday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: Dee Griffin (405)338-7867

Faculty: Bill Grimes, Consultant

Dee Griffin, DVM

Description: Do you sometimes feel as though you are not providing services you're capable of and not getting paid what you deserve? Many practitioners seem to have failed to successfully promote themselves, what they have to offer and collect the financial rewards enjoyed by other professionals. During this seminar, a professional management consultant will team up with a practitioner to cover the reasons for our failure and help you to identify corrective measures towards self-promotion. The instructors will cover client evaluation, approach to clients, demonstrating what you offer, validating your claims, negotiating service fees, and building a client base. This seminar is a blend of practical philosophy tied to effective techniques. Follow-up with each seminar participant will be available.

SEMINAR 17

Financial Herd Health Assessment and Monitoring

Objective: For the practitioner to understand basic economic principles using real data from dairy enterprises so that he can expand his interaction with management into financial areas.

Fee: \$75.00

Level: Basic

Limit: 35

Location: Glengarry Room—Convention Centre

Date: October 1 (Saturday)

Time: 7:30 a.m.-12:00 noon

Coordinator: Donald Klingborg, DVM
(209)383-9175

Faculty: Donald Ozenbaugh, Jr., CPA
Kenneth Scott, Ph.D.

Donald Klingborn, DVM

Description: You can expand service to your clients into financial areas. You can be more effective for him if you understand his economic herd health. This seminar will follow an interactive discussion format to explain: basic monetary principles and analysis, documents available to analyze performance, methods to identify areas out of balance, and concepts necessary to make decisions about allocating financial resources against projected impact on herd profitability. Various financial documents will be examined with

an eye toward finding and understanding pertinent information. Summaries of economic evaluations of dairies and expected ratio analysis of income/expenses will be presented. You will leave this seminar with a better understanding of decision making processes you and your client can go through to impact his herd profitability.

SEMINAR 18

Personnel Management: The Leadership Role the Practitioner Can Play with Clients and their Staff

Objective: The practitioner will learn to identify his own personality values and how those values influence the way he works with others; he will learn to maximize his efforts by learning to deal effectively with people interactions.

Fee: \$90.00

Level: Basic

Limit: 50

Location: Glenmore Room—Convention Centre

Date: October 1 (Saturday)

Time: 8:00 a.m.-5:00 p.m.

Coordinator: Dee Griffin (405)338-7867

Faculty: Bill Grimes, Consultant

Dee Griffin, DVM

Description: The success of our work, our programs, often depends on how we interact with our clients and their employees. A professional consultant will introduce you to "personality style" evaluation. By learning and understanding your style and that of individuals you work for and with, you will identify what you should do to handle individual encounters, situations and confrontations. You will learn a system that will help you understand how people think and how to handle discipline problems to build your relationship in a situation in which you may not have much control. This seminar can show you how to listen, integrate, train and become a member of a team in a smooth running operation.

SEMINAR 19

Minerals are a Woman's Best Friend

Objective: For the spouse who is concerned about her health and what she eats; to gain a clearer understanding of anemia, osteoporosis and what you can do to prevent these conditions.

Fee: \$20.00

Level: For all spouses and interested persons

Limit: Unlimited, but please pre-register

Location: Oval Room—Palliser Hotel

Date: September 29 (Thursday)

Time: 7:30 a.m.-10:30 a.m. (Breakfast included)

Coordinator: JoAnne Atkins (403)247-3645

Faculty: Helen McDonald, BSc, MSc

Description: Two current practices by North American women are combining to make iron deficiency in women an important nutritional issue. Find out what jogging and avoiding red meat have to do with potential anemia. Osteoporosis is another concern to women. Is supplementing calcium to your diet necessary, or are other minerals implicated as well? If you are concerned about your intake of zinc, copper and magnesium, this seminar will address your questions.

SEMINAR 20

Self-Esteem and Goal Setting for Mothers

Objective: For the spouse to gain an introspective view of self-esteem.

Fee: \$12.00

Level: For all spouses and interested persons

Limit: Unlimited, but please pre-register

Location: Oval Room—Palliser

Date: October 1 (Saturday)

Time: 9:00 a.m.-12:00 noon

Coordinator: JoAnne Atkins (403)247-3645

Faculty: Susan Plesuk, BA, BSW

Description: Self-esteem is the greatest gift we can give ourselves. It is the building block of mental health, growth and happiness. It is knowing that you are worthwhile and lovable. This workshop is designed for mothers who would like an opportunity to reflect on their lives, determine how they feel about themselves and examine methods of nurturing a healthy self-esteem. A goal-setting process will be outlined as one of the methods for increasing self-esteem.

Hands-On Demonstration of the Rumen Injector— A New Concept in Anthelmintic Administration

Sponsor: Syntex Animal Health

Fee: No charge. Free lunch will be provided

Participants: Open to 150 bovine beef veterinarians on a first come first served basis

Location: Agricultural Building—
Stampede Grounds, Calgary, Alberta

Date: September 28 (Wednesday)

Time: Demonstration begins at 9:30 a.m. and continues through lunch. Bus transportation provided from the main entrance of the Skyline Hotel at 9:00 a.m.

Coordinator: Doug Swanson (1-800)247-2164 or
(515)224-2442

Faculty: Dr. Ian Pearson
Syntex Agribusiness Australia
Dr. James Reid
Syntex Agribusiness U.K.

Reservations: Reservations must be made by calling

Doug Swanson at the above listed phone numbers

Description: This two-hour demonstration will focus on the use of the Rumen Injector as a device for the positive administration of Oxfendazole in the bovine animal.

SCIENTIFIC SESSIONS GENERAL SESSION I

Preparing and Marketing in Changing Times

Thursday, September 29

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

Salon A&B—Macleod Hall Convention Centre

Terry Church—Presiding

8:00 - 8:50 Personal Preparation for Change in Bovine Practice—Otto Radostits

8:50 - 9:40 Approaches to Acquisition and Management of New Knowledge in Bovine Practice—Philip Bushby

9:40-10:10 Morning Break

10:10-11:00 Promoting a Positive Attitude Toward Quality Assurance, Residue Avoidance and Animal Welfare in a Time of Changing Bovine Practice—Jim Ashman

11:00-11:50 Marketing Methods in Food Animal Practice—Karen Gavzer

12:00 noon-

1:15 p.m. Luncheon—Exhibits

GENERAL SESSION II

Implementation of Production Medicine Programs

Thursday, September 29

1:15 p.m.-5:00 p.m.

Salon A&B—Macleod Hall Convention Centre

Ken Armstrong—Presiding

1:15-2:00 Principles of Implementing and Marketing Bovine Health Management Programs—Carl Ribble

2:00-2:25 The Need for Organized Health Management Programs—A Cattleman's Perspective—Ed Thiesen

PANEL: Implementation of Production Medicine Programs

2:25-3:00 Tim Jordan

3:00-3:30 Afternoon Break

3:30-4:00 Kee Jim

4:00-4:30 Don Hanson

4:30-5:00 Bill Kearly

PRACTICE TIPS

Thursday, September 29

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

Salon A&B—Macleod Hall Convention Centre

Charles Gardner and Len Lazarrato—Presiding
Lynn Sammons, Reading, PA—What Is Your Diagnosis?

Charles Rinehimer, Ackermanville, PA—High Tech-Low Tech Micro-Cassette Recorders and Scorps

John Simms, Shippensburg, PA—A Teat Surgery Technique

Howard Redlus, Mt. Holly, NJ—Organizing the Production Medicine Program

Marge Lewter, East Smithfield, PA—What's Your Diagnosis?

Don Gardner, Huddleston, VA—Livestock Facilities Photo Album

Don Gardner, Huddleston, VA—A Milking Parlor Heat Detection Chart

Jeff Davis, Macon, GA—Herd Health Problems Associated With Computer Feeders

Roger Saltman, Cazenova, NY—Use of Body Scoring in Production Medicine

Dave Byers, Galax, VA—Use of Plastic Roofing Cement to Identify Worked Cattle

Sam McFaddin, Eatonton, GA—A Practical Method of Administering Oral Fluids

Bob Abernethy, Duncan, BC—Mobile Tilt Table Trimming Chutes

Chris Byra, Chilliwack, BC—Keeping the Banks Interested in Your Herd Health Programs

Dwayne Elashuk, Camrose, AB—An Eradication Program for Leukosis—Success and Setbacks

Terry Hunt, Sundre, AB—Field Cesareans—Sundre Style

Roy Lewis, Westlock, AB—Practical Colostomy in the Neonatal Calf

Bradford Smith, Davis, CA—Using the Harleco Total CO₂ Apparatus for Evaluating Acid-Base Status in the Treatment of Scouring Calves

RESEARCH SUMMARIES

Thursday, September 29

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

Salon C&D—Macleod Hall Convention Centre

Erich Studer—Presiding

D. J. McKenna, Urban, IL—Use of "Theophylline" in Bovine Respiratory Disease

William Crawford, Madison, WI—Cranial Cruciate Ligament Replacement in Cattle

James S. Cullor, Davis, CA—Endotoxic Shock in the Bovine: Recent Preventive Approaches

Jon Naylor, Saskatoon, SASK—Effects of Continued Milk Feeding to Diarrheic Calves

Lawrence Heider, Columbus, OH—The Risk of In-Utero Johne's Disease Transmission in Cattle

David L. Morris, College Station, TX—Comparison of Suture Materials When Performing Cesarean Sec-

tion in the Bovine
James Thorne, Columbia, MO—Economic Value of an Open Day for Holstein Cows
Bradford P. Smith, Davis, CA—*Salmonella dublin* Mammary Gland Carrier Cows
Gary Anderson, North Platte, NE—Immune Modulation with Interleukin-II
Frank Bristol, Saskatoon, SASK—Efficacy of "Ovascan" for Timing AI

SCIENTIFIC SESSIONS (continued)

GENERAL SESSION III

Advanced Technology to Promote Productivity, Efficiency and Disease Prevention

Friday, September 30

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

Salon A&B—Macleod Hall Convention Centre

Bob Curtis—Presiding

8:00 - 8:50 Advances in Viral Vaccine Technology
Lorne Babiuk

8:50 - 9:40 Bovine Pasteurellosis—A Biotechnologic Approach to Control—**Bruce Wilkie**

9:40-10:10 Morning Break

10:10-11:00 Bovine Growth Hormone—An Update on Effects on Productivity, Health and Longevity—**Brian McBride**

11:00-11:50 Computerization of a Food Animal Practice—The Agony and the Ecstasy—**Reilly Glore**

12:00 noon-

1:30 p.m. Luncheon—Exhibits

DAIRY SPLIT SESSION I

Practical Tools For Our Changing Practices

Friday, September 30

1:30-5:00 p.m.

Salon A&B—Macleod Hall Convention Centre

Neil Anderson—Presiding

1:30-2:15 Practical Field Trials Within a Private Practice—**Ian Dohoo**

2:15-3:00 Practical Forage Evaluation: Laboratory and Barnyard—**Larry Chase**

3:00-3:30 Afternoon Break

3:30 Practical Water Evaluation—**Jack Rodenberg**

4:15-5:00 Practical Colostrum Evaluation: Lab and Barnyard—**Shelia McGuirk**

BEEF: COW-CALF SPLIT SESSION I

Friday, September 30

1:30-4:45 p.m.

Salon C&D—Macleod Hall Convention Centre

Roy Lewis—Presiding

1:30-2:00 Preconditioning Programs in Canada—**Terry Church**

2:00-2:30 Preconditioning Programs in the U.S.—**Duane Miksch**

2:30-3:00 Assessing The Value of Preconditioning to Feedlots—**Kee Jim**

3:00-3:30 Afternoon Break

3:30-4:15 Limited Creep Feeding in Preconditioning Programs—**Keith Lusby**

4:15-4:45 Investigation of a Congenital Defect Problem in Cow-Calf Herds—**Carl Ribble**

BEEF: FEEDLOT SESSION I

An Update On The Etiology And Pathogenesis Of Bovine Respiratory Disease

Friday, September 30

1:00-4:50 p.m.

Glenbow Theatre—Convention Centre

Bob Curtis—Presiding

1:00-1:40 Emerging Role Of *H. Somnus* In Previously Unreported Manifestations in Western Canada—**Stephen Groom**

1:40-2:20 The Role Of *Bovine Respiratory Syncytial Virus* IN "Garden Variety Shipping Fever"—**Bill Bennett**

2:20-3:00 The Epidemiology Of Bovine Respiratory Disease—**Richard Harland**

3:00-3:30 Afternoon Break

3:30-4:10 The Effect Of Stressors Like Rumen Overload And Induced Abortions On BRD—**Al Edwards**

4:10-4:50 The Controversy Surrounding The Role of BVD Virus in Pneumonia Pasteurellosis—**Otto Radostits**

DAIRY SPLIT SESSION II

Mastitis: Research, Results And Response

(Cosponsored By National Mastitis Council)

Saturday, October 1

8:00 a.m.-11:55 a.m.

Salon C&D—Macleod Hall Convention Centre

Reny Lothrop—Presiding

8:00 - 8:45 New Therapy Ideas for *Staph Aureus*—**Phil Sears**

8:45 - 9:45 Teat Dips and the Veterinarian—**Woody Pankey**

9:45-10:10 Morning Break

10:10-11:00 Selenium and Mammary Resistance to Infectious Disease—**Ron Erskine**

11:00-11:55 Environmental Mastitis: An Everyday Affair—**K. Larry Smith**

BEEF: COW-CALF SPLIT SESSION II

Saturday, October 1

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

Salon B—Macleod Hall—Convention Centre

- Casey Schipper—Presiding
- 8:00 - 8:30 Animal Health Monitoring in Cow-Calf Herds; An Overview—**Wayne Martin**
- 8:30 - 9:30 Performance and Health of the Breeding Herd—**John McDermott**
- 9:00 - 9:30 Calf Productivity and Disease—**David Alves**
- 9:30-10:00 Management of Replacement Heifers—**Neil Anderson**
- 10:00-10:30 Morning Break
- 10:30-11:15 Refinements in the Treatments of the Diarrheic Calf—**Jonathan M. Naylor**
- 11:15-12:00 Efficacy of Methods Used to Fertility Test Beef Bulls—**Glen Coulter**

BEEF: FEEDLOT SESSION II

Management Of Bovine Respiratory Disease

Saturday, October 1

8:00 a.m.-11:50 a.m.

Glenbow Theatre—Convention Centre

Ken Bateman—Presiding

- 8:00 - 8:40 The Diagnosis of Treatment Failure—**Tim Jordan**
- 8:40 - 9:20 The Pathology of Treatment Failure—**Brian Wilcox**
- 9:20-10:00 The Use of Ancillary Therapy in the Treatment of Bovine Respiratory Disease—**James Brazeile**
- 10:00-10:30 Morning Break
- 10:30-11:10 Measuring the Therapeutic Efficacy of Antibiotics: A Method for Practitioners—**Ian Dohoo**
- 11:10-11:50 Residue Avoidance in Beef—**Peter W. Saschenbraecker**
- 12:00 noon-1:30 p.m. AABP Business Luncheon—Salon A—Macleod Hall Convention Centre

DAIRY/COW-CALF/FEEDLOT

SPLIT SESSION III

Working For Dollars And Collecting For It

Saturday, October 1

1:45 p.m.-5:30 p.m.

Salon A—Macleod Hall Convention Centre

Eugene Janzen—Presiding

- 1:45-2:15 Paid by the Procedure—**Cal Hageman**
- 2:15-2:45 Paid by the Head—**Tim Guichon**
- 2:45-3:15 Veticare System—**Pierre Labrosse**
- 3:15-3:30 Afternoon Break
- 3:30-4:00 Paid by the Hour—**David Reid**
- 4:00-4:30 Paid by Contract—**Arden Nelson**
- 4:30-5:00 Practice Equalizer: Paid by Commission—**Andrew Johnson**

- 5:00-5:30 Collecting for Your Work—**Charles Gardner**

TOURS, SPOUSE SEMINARS and SOCIAL FUNCTIONS

Spouse Hospitality Room

A spouse hospitality room will be available from Wednesday, September 28 through Saturday, October 1 and will be open from 8:00 a.m. to 5:00 p.m.

The Glendale Room will serve as the hospitality room each day except for Thursday, September 29 when the Glencoe Room will be used.

TOUR A

Pre-Convention Feedlot

Tuesday, September 27

10:30 a.m. to 4:00 p.m.

The tour will start at the Calgary Convention Centre with a coach trip to Thiessen Farms and Western Feedlots at Strathmore, Alberta. Each feedlot feeds approximately 30,000 to 40,000 calves and yearlings each year and are involved in an integrated computer health record system.

The tour guides will be Drs. Kee Jim and Tim Guichon the consulting veterinarians for the feedlots.

Lunch and refreshments will be served at one of the feedlots.

Please register as soon as possible (limited to 80 participants on a first come first served basis). No charge.

The tour is sponsored by:
Boehringer Ingelheim (Canada) Ltd.
Coopers Agropharm Inc.
MSD Agvet.

TOUR B

Pre-Convention Dairy

Wednesday, September 28

9:30 a.m. to 3:30 p.m.

The tour will commence at the Calgary Convention Centre with a bus trip to Western Breeders, Alta Genetics, and Ultra Holsteins. Western Breeders is a large A.I. centre housing about 100 bulls and being very active in the export of both semen and frozen embryos. In 1987 they became the largest exporter of frozen embryos in Canada and have now amalgamated with Alta Genetics, an ultra modern embryo transfer and research facility, which will also be visited on this tour. The final stop will be at Ultra Holsteins, a very successful purebred Holstein herd owned by the Chalacks. This herd has received a "Master Breeder" award from the Canadian Holstein Association, is well known for its success in the showing, and also

has one of the highest herd production averages in Canada.

Lunch and refreshments will be served at noon.

There is no charge, however, please register as soon as possible as the tour will be limited to 80 participants on a first come, first served basis.

The tour is sponsored by: Alberta Agriculture

TOUR 1

Zoo/Prehistoric Park Tour

Wednesday, September 28

1:00 p.m. to 4:00 p.m. (3 hrs.)

A delight for all ages, the Calgary Zoo and Prehistoric Park is home to over 1400 animals of which 388 are rare and endangered. The zoo encompasses a polar bear complex, reptiles and amphibians, a primate house including one of the largest lowland gorilla displays in North America, many exotic birds, an Australian and nocturnal complex, a large mammal house which displays Sri Lankan elephants, rhinoceros, hippopotamus, and giraffes (and their babies) close up, exhibits from Eurasia, Africa and North America, and a Children's Zoo where wild and domestic animals can be seen at close range and sometimes touched under the guidance of qualified staff and volunteers. The Prehistoric Park is one of a kind with more than 100 species of plants, life sized dinosaur models, and acres of hand-sculpted rock work. The Conservatory and Botanical Gardens add to a most enjoyable afternoon.

\$6.00/adult; \$4.00/12-17 years; \$3.00/under 12 and over 65 years (includes admission and transportation)

CALGARY WELCOME ROUND-UP

Wednesday, September 28

5:00 p.m.-7:00 p.m.

Macleod Hall Salon C&D & Macleod Foyer

Don't miss this opportunity to renew old friendships and make new ones while enjoying an informal hot buffet meal, live western music, cashbar, and your first sampling of Calgary hospitality.

OPENING CEREMONIES

Wednesday, September 28

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

Macleod Hall Salon A&B

Welcome and Invocation—Dr. Gordon Atkins

President's Welcome—Dr. Donald Hudson

Greetings from the Alberta Veterinary Medical Assoc.

Dr. Bruce Grahn

Civic Welcome and White Hat Ceremony

KEYNOTE SPEAKER

Wednesday, September 28

7:30 p.m.-8:30 p.m.

Macleod Hall Salon A&B

Doc Blakely, a world famous humorist from Wharton, Texas, will be our keynote speaker. His humour, wit and down-to-earth intellect will be sure to start this convention off on exactly the right kind of note. James Blakely, B.S., M.S., Ph.D. (Animal Science) is a syndicated columnist, author, and raconteur with a message to tell and the ability to keep you laughing as never before. Don't miss this one!

SEMINAR 19

Minerals are a Woman's Best Friend—

Helen MacDonald

Thursday, September 29

7:30-10:00 a.m.

Oval Room—Palliser Hotel

Savour a sumptuous buffet breakfast and learn the latest information on nutrition as it relates to calcium and other minerals. There will be lots of opportunity for questions. Helen MacDonald is a registered dietician who is a freelance writer and speaker on nutrition. She has written two books, "Eating for the Health of It" and "The Total Fibre Diet" and is sure to give us lots of inspiration.

\$20.00 per person

TOUR 2

Calgary City Tour

Thursday, September 29

10:30 a.m.-4:30 p.m. (6 hrs.)

Capture the spirit of Calgary—imagine the Old West and enjoy the new as we share our pride in Calgary's rich, rugged, and colorful past, our excitement in the present, and plans for the future. You will recall the thrill of the 1988 Winter Olympics as we visit the Olympic venues. You will view Fort Calgary, Stampede Park, the dynamic downtown, our university, historic sites, pioneer and modern homes, and Heritage Park on Glenmore Lake. You will also enjoy a beautiful lunch at the Olympic Saddledome.

\$27.00 per person

TOUR 2

Tyrrell Museum of Palaeontology

Thursday, September 29

10:30 a.m.-5:30 p.m. (7 hrs.)

Imagine tracing the path of life on Earth back 3.5 billion years. This journey is made possible through the science of palaeontology—the study of ancient life through fossils. At the Tyrrell, the re-

sults of this study are revealed in displays, hands-on exhibits, computers and mini theatres. One unique display area houses plants descended from those that existed on Earth 350 to 15 million years ago. Take a step back in time. At the Tyrrell Museum, it's truly an entertaining and memorable journey. The 1½ hour ride to the Drumheller badlands (a UNESCO World Heritage Site) and the Tyrrell Museum of Palaeontology, a 30 million dollar world class dinosaur museum, is well worth the time. Enjoy lunch at the cafeteria at your own leisure.

\$21.00 per person

SPOUSE HOSPITALITY RECEPTION

Thursday, September 29

7:30-9:00 p.m.

Garden Terrace, Convention Centre

Come to visit, enjoy refreshments, and learn more about all there is to see and do in Calgary.

No Charge

TOUR 4

Banff Tour

Friday, September 30

8:00 a.m. to 5:00 p.m. (9 hrs.)

This tour is a must if you can't take in the Post Convention Tour to Banff and Lake Louise! Discover the majesty of the Canadian Rockies, the beauty of Bow Falls, and the delightful town of Banff. The tour will include a ride up the Sulphur Mountain Gondola to enjoy an unparalleled view of some of the world's most breathtaking scenery, browsing in Banff's unique shops, and the fascinating Banff Museum. The spectacular Banff Springs Hotel will serve an unforgettable lunch.

\$41.00 per person

TOUR 5

Tyrrell Museum of Palaeontology

Friday, September 30

9:00 a.m.-5:00 p.m. (8 hrs.)

This tour will offer the same sights as Thursday's tour but will also include a visit to the strange geological formations known as the Hoodoos.

\$23.00 per person

STAMPEDE EXTRAVAGANZA

Friday, September 30

6:00-12:00 Midnight

Round-up Centre, Stampede Park

Reception, 6:00-7:00 p.m.

Dinner, 7:00-8:30 p.m.

Entertainment, 8:30 p.m.-12:00 Midnight

Buses will leave from the Calgary Tower be-

tween 6:00 and 7:30 p.m. and return between 9:30 and 12:00 a.m.

A great opportunity to sample some of the true Calgary Stampede spirit and premium Alberta beef. A BBQ beef dinner complete with all the trimmings will be served in a western atmosphere with dancing to one of the best western bands in Canada. Corelie Keller, winner of the 1986 Canadian Amateur Country Music Entertainer Award, and her band "One Horse Town" look forward to presenting an evening of country music at its best. The band has made many appearances at the Calgary Stampede and will be sure to help you experience the true Stampede spirit that Calgary has become famous for. To round out the evening in true Calgary style, mini chuckwagon races will be staged with each district cheering on their outfit.

\$26.00 per person

SEMINAR 20

Self-Esteem for Women—Susan Plesuk

Saturday, October 1

9:00 a.m.-12:00 p.m.

Oval Room, Palliser Hotel

Susan Plesuk is a mother of three children and co-leader of "Taking Charge" self-esteem workshops. This is a timely topic as it is becoming well recognized that good self-esteem is critical to our emotional health.

\$12.00 per person

TOUR 6

Glenbow Museum Guided Tour

Saturday, October 1

10:00 a.m.-12:00 noon (2 hrs.)

This two hour guided tour will cover the highlights of the three floors of exhibits in the Glenbow Museum, one of the six major museums in Canada. In addition to special exhibits and traveling shows the Glenbow houses a beautiful collection of western and native artwork and outstanding displays of historic memorabilia.

\$6.00 per person

TOUR 7

Heritage Park Tour

Saturday, October 1

2:00 p.m.-5:30 p.m. (2½ hrs.)

All the sights and sensations of pioneer life are recreated for your enjoyment at warm and friendly Heritage Park. This historic village offers a fascinating look at life in the west in the 1800's through more than 100 authentic buildings and exhibits situated on 66 acres of rolling parkland. Climb aboard the antique

steam engine train, ride the sternwheeler on the Glenmore Reservoir, or enjoy an old-fashioned treat in the ice cream parlor. See the restored houses, shops, hotel, farm, amusement park, theatre, school, grain elevator, bakery, and many other exhibits all with staff dressed in period costumes.
\$8.00 per person

TOUR 8

Tour to Banff and Lake Louise

Sunday, October 2

8:30 a.m.-6:30 p.m. (10 hours)

Plan to make time for this exciting trip through the magnificent Canadian Rockies to Lake Louise, a sparkling glacier-fed lake nestled in the Rocky Mountains, renowned for its beauty and classified as one of the seven wonders of the world. A fabulous buffet luncheon will be served in the Victoria Dining Room at the Chateau Lake Louise overlooking the lake. You will then travel to the world famous town of Banff and visit Bow Falls and the elegant Banff Springs Hotel. A highlight of this trip will be the ride up the Sulphur Mountain Gondola for a spectacular view of the breath-taking scenery and a close up look at mountain sheep. Then there will be time for a short stroll down Banff Avenue and a visit to the Banff Gardens. This trip will be a photographer's delight so don't forget your camera!

\$45.00 per person

NOTE: All Prices Are Quoted In U.S. Funds.

EXHIBITS

The professional exhibits will be in the exhibition Hall of the Calgary Convention Centre, Calgary, Alberta, Canada here-in-after referred to as the Exhibit Area. The exhibits will open Wednesday, September 28 at 2:00 p.m. and close promptly at 4:00 p.m. on Friday, September 30.

Exhibit Hours

Wednesday, September 28 2:00 p.m.-7:00 p.m.
Thursday, September 29 9:00 a.m.-5:50 p.m.
Friday, September 30 9:00 a.m.-4:00 p.m.
VETERINARIANS CAN WIN PRIZES BY VISITING THE EXHIBITS.
Bring 80 business cards and participate in the "Bovine Giveaway"

AABP 1988 PROGRAM COMMITTEE

- Program Chairman**
Keith Sterner
- Seminar Coordinator**
Thomas Fuhrmann
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Eugene Janzen
- Research Summaries**
Erich Studer
- Practice Tips**
Charles Gardner and Len Lazarrato
- Continuing Education Liaison**
Lawrence Hutchinson
- Local Arrangements Coordinators**
Gordon and JoAnne Atkins
- Exhibits Chairman**
Sam Hutchins III
- District XIII Director**
Gordon Atkins
- Conference Manager**
Harold Amstutz

It is not too early!

PLAN NOW

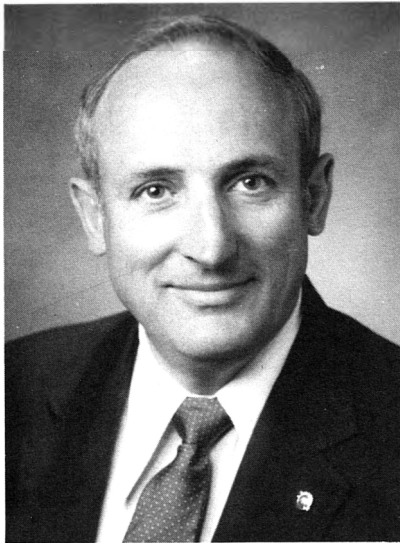
To Attend the

Twenty Second Annual Convention

American Association of Bovine Practitioners

Kansas City

November 14-17, 1989



1988 AABP Conference Exhibitors

EXHIBITS-Exhibit Hall

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

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

Exhibits Open

Wednesday, September 28
2:00 P.M. – 7:00 P.M.

Thursday, September 29
9:00 A.M. – 5:30 P.M.

Friday, September 30
9:00 A.M. – 4:00 P.M.

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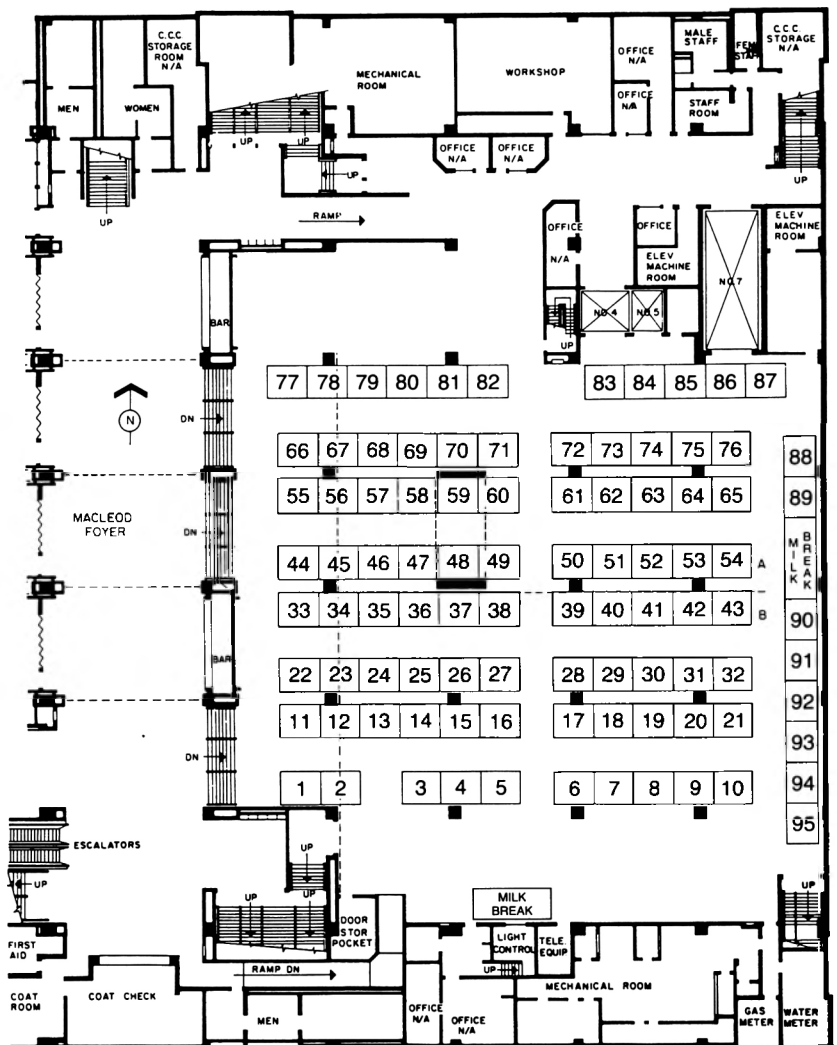
A place to meet old friends
and make new ones

"Calgary Welcome Roundup"

a mixer/buffet
featuring
Western Food and Music

Wednesday, September 28
5:00 – 7:00 P.M.
in the Exhibit Area.

Calgary Convention Centre Exhibit Hall



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Albion Laboratories, Inc.

101 N. Main — Box 750, Clearfield, UT 84015

Displaying a complete nutritional program featuring Albion's patented Chelated Minerals in formulas designed for reproduction.

72

Alfa-Laval Agri, Inc.

113 Park Street S., Peterborough, Ontario K9J 3R8

This booth features the latest in milking, feeding and dairy herd management systems from Alfa-Laval. Systems and components for every dairy herd operation to help our dairymen remain profitable through improvements in efficiency. We shall also be displaying our dairy farm sanitation and udder hygiene products. A complete line to support our dairy farm sanitation programs. Stop by and take a look at our product offer and talk with us about our services and programs.

53

American Breeders Service

6908 River Rd. — P.O. Box 459, DeForest, WI 53532

The display features Alcide® brand UDDERGOLD Germicidal Barrier Teat Dip and Alcide® SilverQUICK™ Germicidal Udder Wash used in reducing the spread of organisms which may cause mastitis. It includes product samples, pictures and printed material explaining the properties and efficiency of the products.

59, 60

American Cyanamid Company

1 Cyanamid Plaza, Wayne, NJ 07470

American Cyanamid will be displaying its Cattle Health Products — Tramisol® Cattle Wormer, Warbex® pour on, Guardian™ Cattle Ear Tags, Vigilante® insecticide, Aureo S700® medicated premix and Aureomycin® medicated premix. Technical Service and Sales Personnel will be present.

48

American Veterinary Products, Inc.

1413 Duff Drive, Fort Collins, CO 80524

American Veterinary Products proudly announces our new line of veterinary pharmaceuticals under the AM-VET label. We cordially invite you to stop by our booth and see our line of sterile injectables, fluids, orals and topicals solutions. AMVET, the rising star in the veterinary industry.

40

An-Tech International Livestock Products, Inc.

P.O. Box 34820, Phoenix, AZ 85067

Livestock I.D. Tags, Livestock Insecticide Products, Bovine Progesterone Test Kits. An-Tech is featuring BoviPro, a new technology bovine progesterone test kit, along with a complete line of veterinarian labeled livestock insecticide products and animal I.D. tags.

27

Austin Laboratories (Canada) Limited

675 St-Pierre sud, Joliette, Quebec J6E 3Z1

Manufacturer and distributor of Veterinary Pharmaceutical

Products. Featuring: Cefa-Lak, Kantrim, Polyflex, Amiglyde-V, Cefa-Dri, Calf Lyte, Topazone. Fluids, Nitrofurans, Antibiotics, Vitamins Electrolytes, Steroids, Sanitation Products, Insecticides.

84

AVMA Professional Liability Insurance Trust

P.O. Box 74221, Chicago, IL 60604

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

41, 42, 43

Babson Bros. Co.

1880 Country Farm Dr., Naperville, IL 60540

Surge Dairy Farm Pipeline Equipment and related products.

77

Beecham Laboratories

501 Fifth St., Bristol, TN 37620

Convention participants are invited to stop by the Beecham Laboratories veterinary exhibit. Beecham is the veterinarian's source for quality biologicals and pharmaceuticals. Representatives will be on hand to introduce new products and offer additional information on currently marketed products.

37, 38

Bio-Ceutic Division

2621 North Belt Hwy., St. Joseph, MO 64502

Bio-Ceutic offers a wide variety of Biologicals, Pharmaceuticals and Insecticides for both large and small animals. Our complete Bio-Ceutic line of products is available through our national network of distributors.

88, 89

Bio-Techniques Laboratories, Inc.

15555 N.E. 33rd Bio Tech Rd., Redmond, WA 98052

COBACTIN® Microbial Feed Additive, LactoVet Microbial Feed Additive, BIO POWER® Silage Inoculant.

61

Bio-Zyme Enterprises, Inc.

1231 Alabama, St. Joseph, MO 64504

Makers of VITA-FERM with AMAFERM® a patented fermentation extract produced by a unique enzyme producing fungi, *Aspergillus Flavus-Oryzae*. Stressing improved rumen fermentation for greater feed efficiency. Available as a drench/bolus/premix for horses, dairy and beef animals. Contact us for "THE INSIDE INFORMATION."

19, 20, 21

Bowie Manufacturing, Inc.

313 South Hancock, Lake City, IA 51499

WOW! BOWIE HAS IT ALL TOGETHER FOR YOU FOR 1989!!! Introducing the all new PREMIERE 6' and 7' fiberglass Mobile Clinics. Design of the 90's features an aero dynamic mobile clinic for you with a whole load of new features. Take a look at the Bowie/Polaroid Instant Radiographic System. As always, Bowie sets the standard for quality.

52

CDMV Inc.

2999 Choquette Blvd., P.O. Box 608,
St. Hyacinthe, Quebec J2S 7C2

CDMV established in Quebec since 1972 is specialized in the distribution of drugs, materials and instruments to veterinarians. Their inventory counts 5,500 different products provided from 500 suppliers in Canada and all over the world. CDMV deserves 2,000 veterinary clinics from maritimes to western provinces and is also recognized on international market for the variety and quality of their products.

31, 32

CEVA Laboratories, Inc.

7101 College Blvd., Suite 610, Overland Park, KS 66210

This year CEVA Laboratoies will feature their New Formula ERYTHRO®-200 (Erythromycin) Injectable product, a proven treatment for Pasteurella Pneumonia. Also exhibited will be CEVA's new line of inactivated vaccines; SYNCRO-MATE-B™ for controlled breeding programs; Cystorelin (GnRH) an effective treatment of cystic ovaries and our complete line of I.V. Fluids and Sanitation products.

46

Church & Dwight Co., Inc.

469 No. Harrison St., Princeton, NJ 08540

The Church & Dwight Co., Inc. manufactures and markets many nutritional products under the Arm & Hammer® name for dairymen. Feed grade sodium bicarbonate is the most widely used rumen buffer. MEGALAC™, rumen bypass fat, is a new, high energy, feed ingredient. We also manufacture herd and veal milk replacers.

70, 71

Coopers Agropharm, Inc.

270 Dreyer Drive West, P.O. Box 430, Ajax, Ontario L1S 3C5

Coopers — solely in the business of animal health and productivity. Coopers was formed from the interests of Wellcome and ICI in animal health worldwide.

90

Diamond Scientific Co.

2538 S.E. 43rd St., Des Moines, IA 50317

Diamond Scientific will exhibit their complete line of cattle and swine vaccines. These products are Horizon I (KBVD), Horizon II (KIBR-KBVD) and Horizon IV (BRSV-PI₃-KIBR-KBVD), Killed BVD + Vac 3 and their newly introduced Horizon IX vaccine. They will also exhibit their modified live syncytial line of vaccines which include BRSV Vac, BRSV Vac 2, BRSV Vac 3, BRSV Vac 4 and BRSV Vac 9. Their swine line includes TGE, TGE Neo-Vac 7 and TGE Combinations and their newly introduced Concord V. DiaPROOF, a totally new concept in calf rehydration, will also be displayed

81

Dorchester Laboratories Inc.

P. O. Box 299, Dorchester, Ontario N0L 1G0

Dorchester Laboratories Inc. is proud to introduce two new products: PARA-PLUS for treatment of clinical and acute mastitis, SMOA-CELL for the control of subclinical mastitis. We invite you to learn more about these safe and effective products.

30

Eidson Associates, Inc.

P.O. Box 16073 — 3500 Beltline Blvd.
Minneapolis, MN 55416-0073

Featuring Syringes, Drenchers, Implanters and related Delivery Devices by N J PHILLIPS Pty Ltd., Sydney, Australia.

13, 14

Elanco Products Company

Lilly Corporate Center, Indianapolis, IN 46285

4

EquiBov Veterinary Specialty Equipment

RR #1, Campbellville, Ontario L9P 1B0

EQUIBOV PULSE: A portable uterine Lavage System which allows practitioners to perform lavage unassisted and within precise parameters to obtain optimal results. Features computerized control of temperature flow rate and final volume, portable in field use. Additional uses: Embryo recovery with an inline filter, Surgical lavage — abdominal, joints and wounds.

ENDOMETRIAL BIOPSY PUNCH: Dependable precision instrument designed to provide a large quality biopsy sample every time.

EQUINE UTERINE CURETTE: The EquiBov curette has an atraumatic design allowing the practitioner to determine the degree of curettage.

83

For-Most Inc.

P. O. Box 322, Hawarden, IA 51023

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

11

Fort Dodge Laboratories

800 5th Street N.W., Fort Dodge, IA 50501

Visit our booth and find out about Triangle® BRSV-K, the first and only killed, federally licensed BRSV vaccine, offering the safest protection against bovine syncytial virus. Ask about how Triangle® BRSV-K is incorporated into our Herd Health Management Program which includes special purchase programs and professional client information materials.

15, 16

Grand Laboratories, Inc.

RR 3, Box 36, Freeman, SD 57029

Grand Laboratories, Inc. invites you to visit our booths, where we will bring you up to date on our latest advances in cattle vaccines. One of our newest licensed bacterins is Somnu Shield™, a Haemophilus somnus bacterin unique in that it incorporates isolates obtained from the brain and reproductive tract as well as lungs.

55, 56, 57

Hoechst Canada Inc.

295 Henderson Drive, Regina, Saskatchewan S4N 6C2

66, 67, 68

Hoechst-Roussel Agri-Vet Company

Rt. 202-206 North, Somerville, NJ 08876

Hoechst's research expenses are over \$750 million per year. An important part of the research conducted by Hoechst Canada Inc. and Hoechst-Roussel Agri-Vet Company is dedicated to the development of new and improved pharmaceutical and biological products to meet the demands of the growing animal health care market. Hoechst products include: Panacur, Lasix, Regu-mate, Borgal, Boroform, and Coggi Bol-o tabs.

92

Ideal Instruments, Inc.

607 N. Western Ave., Chicago, IL 60612

74

Innovative Veterinary Management Systems Ltd. (IVMS)

#1 411 Confederation Dr., Saskatoon SK S7L 5C3

The Specialist is the newest of our computer veterinary practice management systems designed for the progressive practitioner. Innovative Business Systems (IBS) has developed a comprehensive yet simple to use management system that meets large, mixed and specialty practice requirements. The Specialist gives you total flexibility in managing your practice on any IBM or IBM compatible system. Be it a single man or multiman practice, IVMS has a single or multiuser system to fulfill your management, as well as financial needs.

10

Jorgensen Laboratories, Inc.

2198 W. 15th Street, Loveland, CO 80538

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

62, 63

Kamar Marketing Group, Inc.

7525 Mitchell Rd., Eden Prairie, MN 55344

Kamar proudly introduces the Accufirm Progesterone Test Kit that measures progesterone in four simple steps and less than four minutes time. Stop by to see and learn about the ImmuCell Rapid Mastitis Test and Rapid Johnes Test. . . . A whole new world of rapid diagnostics for the bovine practitioner . . . today!

3

Kane Enterprises, Inc.

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

Exhibiting AG-TEK Veterinary Specialty Products including the new AG-TEK Convertible Pole Syringe and the new sterile and non-sterile 1.0 MIL AG-TEK MaxiSleeve.

9

Langford Inc.

400 Michener Road, Guelph, Ontario N1K 1E4

LANGFORD, INC. is a major Canadian animal health company specializing in vaccine development. Through its U.S. affiliate, LANGFORD LABORATORIES INC., Langford in-

tends to market certain vaccines in the United States. Our exhibition features the development of a unique bacterial cell extract, *PRESPPONSE*, which aids in the prevention of pneumonia due to leukotoxin-producing *Pasteurella haemolytica*.

47

Large Animal Veterinarian (Watt Publishing Co.)

Sandstone Building, Mount Morris, IL 61054

Large Animal Veterinarian is a publication directed to large animal veterinarians covering subjects such as: preventive medicine, nutrition, animal environment, genetics, production management, new technology and regulatory impact.

39

The Magrath Company

404 West B Street, McCook, NE 69001

The Magrath Stock Shock, Fluidfeeders, Temperature Probe, and 10 ml. Continuous Flow Syringe and many other products will be on display at our booth, along with a new product: Magrath Oral Hook Adaptor — the new approach for administering pastes and gels orally, gives the "hands off" approach with ease and convenience.

91

Mobay Corporation, Animal Health Division (Haver)

P. O. Box 390, Shawnee, KS 66201

Haver will display their complete line of Biological and Insecticides and Pharmaceuticals for Bovine Practitioners. In addition to featuring the innovative analogue, *ESTRUMATE* (cloprostenol) now available for your client's beef, dairy herd, and feedlot heifers, we will feature *Spotton*, *Tiguvon Pour On* and *Hava Span*.

1, 2

MSD AGVET

Division of Merck & Co., Inc.

P.O. Box 2000 (WBD-319), Rahway, NJ 07056-0912

MSD AGVET representatives will be available to detail *IVOMECE*® 1% injection for cattle and swine (internal and external parasite control), *EQUALAN*® paste for horses (anthelmintic and boticide), *TRESADERM*® (dermatological solution) for dogs and cats, *TBZ*® cattle wormer, *CURATREM*® drench (cattle flukicide) and *CORID*® (coccidiostat) for cattle.

85

Munks Livestock Sling Mfg. Inc.

1143 W. March Pt. Rd., Anacortes, WA 98221

An effective new aid to rehabilitate down, injured or post surgical livestock of all sizes. The slings are adjustable, lightweight, durable and easy to use. Invented and manufactured by farmers and continually used and improved by veterinarians worldwide. See our complete line of slings, low lifts, hobbles, neck straps and more.

22, 23

Norden Laboratories

P. O. Box 80809, Lincoln, NE 68501

Norden Laboratories features new products for control and treatment of bovine disease. Ask about new 'CattleMaster' vaccines for safe, convenient protection against bovine respiratory and reproductive disease; 'ScourGuard' 3(K) for neonatal scours protection; 'BRSV' for vaccination against

bovine RSV; 'LifeGuard H.E.' for scours treatment; and 'CalfSpan' for treatment of scours and pneumonia.

5

On Golden Line Dairy Ltd.
Box 67, Picture Butte, Alberta T0K 1V0

The exhibit will contain an Amdek computer with a Panasonic printer, which will be used to explain the Veterinary Automated Management and Production Control program (VAMMP) software. Major elements in the program are: milk production, milk quantity, ration composition, reproduction and health aspects (mastitis, lameness, nutritional disorders, preventive measures, clinical screenings, body condition scoring, replacement rearing and culling and farm events).

12

Osborn
Quality Plus Essar Division
P.O. Box 459, Fort Dodge, Iowa 50501

Osborn's fine line of veterinary products will be on display with informative product literature and Osborn representatives on hand to answer your questions. Osborn's line includes a wide range of products specially formulated for professional use by bovine practitioners. Stop by the booth and learn more about Osborn veterinary products.

49

Ozland Enterprises, Inc.
415 W. Prairie, Vicksburg, Michigan 49097

Our dairy management products include: The Dairy Herd Monitor, Young Stock Monitor. The Red Flagger, a weekly scheduler for vet work, nurseries and the treated animal. Ozzie's Leg Bands in seven colors, The Split-Gard, an easy on hobble, the Flex-Stop for flexed pasterns and the E-Z Pull Maternity Harness.

26

Pfizer Inc. — Agricultural Division
235 East 42nd Street, New York, NY 10017

Pfizer, the world leader in animal health, offers a complete line of antibiotic and anthelmintic products. Stop by the Pfizer booth for the latest information on: Nematel™ (morantel tartrate) bolus, the no-milk-discard anthelmintic for cattle, and Liqumycin® LA-200®, long-acting antibiotic therapy for pneumonia and pinkeye.

79, 80

Pioneer Hi-Bred Limited
Box 730, Hwy. No. 2 West, Chatham, Ontario N7M 5L1
ANIMAL HEALTH CARE PRODUCTS . . . PREVENTION IS THE KEY. Horizon IV has met the challenge. Veterinarians agree that preventing a disease before it occurs is more successful and cost effective than treating it after it strikes. The commitment continues through our expanded product line, which includes PROBIOS® direct fed microbial products for livestock.

28, 29

Pitman-Moore, Inc.
P.O. Box 344, Washington Crossing, NJ 08560
Pitman-Moore invites you to visit our booth to discuss your

bovine product needs. We are pleased to have the opportunity to exhibit the following products in our bovine line at your meeting: new TOTALON*, Topical Cattle Anthelmintic; RALGRO*, the market leader in Cattle Implants; and our family of LEVASOLE* Cattle Dewormer.

86, 87

Porta-Vet Industries, Inc.
110 Wood Street, Box 598, Hudson, IA 50643

PORTA-VET will be demonstrating a new 8' mobil unit specifically designed for the Bovine Practitioner. The unit is an all-new molded fiberglass design that will fit the new Chevrolet as well as Ford or Dodge pick up. Stop by for quotations on updating.

64

Protein Technology, Inc.
Suite 1350, 701 Fourth Ave. South, Minneapolis, MN 55415
Colostrin colostrum supplement is a USDA licensed product that provides a guaranteed quality and quantity of disease-preventing immunoglobulins to help newborn dairy and beef calves start right by providing a colostrum quality no mother can. It's so good, it's received preliminary USDA approval to aid in the prevention of K-99 E. coli scours.

76

PRO VET of Loves Park
P.O. Box 2286, Loves Park, IL 61131
We are a full line distributor with over 8,000 products available. We will feature new equipment, pharmaceuticals and biologicals.

58

PSI
#1310 N. Keller Dr., Rte. 32 N., Effingham, IL 62401
PSI is an IBM Industrial Remarketer, IBM's only chosen representative for the veterinary profession. PSI's Veterinary Practice Manager was specifically designed for IBM computers and operates in either a single-user or multi-user environment. The program has many significant features and is continually enhanced by PSI's research and development team. Join PSI and see why so many other veterinarians consider themselves "family."

73

P.V.U. Div. of Sanofi Sante Animal Canada Inc.
275 Sheldon Drive, Unit 8, Cambridge, Ontario N1T 1A3
As a manufacturer-distributor of quality products to the veterinary profession we are pleased to feature our antibiotics, biologicals, and products for reproductive management.

69

Rhone-Poulenc, Feed Additives Division
500 Northridge Road, Suite 620, Atlanta, GA 30350
Deccox brand of Decoquinat prevents coccidiosis, the third most prevalent cattle health problem today. By stopping coccidiosis early, cattle go on feed faster, have better feed conversions and improved health. By starting cattle on a Deccox program you can prevent an outbreak in the first critical days in the feedlot.

25

rogar/STB Inc. — Division of Pfizer Canada Inc.

P. O. Box 1500, Pointe Claire/Dorval, Quebec H9R 4R6

rogar/STB Veterinary division of Pfizer Canada Inc. manufactures in Canada over 100 specialty products which are sold exclusively to veterinarians. We look forward to you visiting our booth to discuss our bovine specialty products — especially our newest injectable antibiotic — SYNNERGISTIN.

44, 45

Schering Animal Health

1011 Morris Avenue, Union, N.J. 07083

Stop and see how SCHERING will help your producers stop losses due to selenium deficiencies. Check out our complete line of products including PILIGUARD® Pinkeye-1, PILIGUARD® E. coli-1, SCOURLYTE®, GENECOL®99, FSH-P™, BO-SE®, MU-SE® and MOLYCU®. Keep your eyes out for SCHERING'S new products and stop for your FREE gift.

78

Solvay Veterinary, Inc.

301 Carnegie Center, Princeton, NJ 08540-6291

Our representatives will be on hand to discuss such quality items as Crystiben, Crysticillin, Distrycillin, Follutein, Princillin, ReCovr, Vetisulid, Weck and Xenodine.

75

Synbiotics Corporation

11011 Via Frontera, San Diego, CA 92127

Synbiotics Corporation manufactures practical in-clinic diagnostic tests that provide speed, accuracy and simplicity for your practice. Our large animal products include EstruCHEK, a milk progesterone assay used for estrus detection; KoliCHEK, a diagnostic assay for the detection of K-99 E. coli and KoliIMMUNE, an orally administered immunoprophylactic for the prevention of K-99 Coli caused scours. Synbiotics is also a leading manufacturer of small animal diagnostic products. These products can provide you with an exciting profit opportunity — Come see us at the booth!

6, 7

Syntex Animal Health, Inc.

4800 Westown Pkwy., Suite 200
West Des Moines, IA 50265

Syntex Animal Health, Inc. will be presenting a complete line of cattle implants including Synovex®S, Synovex®H and Synovex®C, the only implant approved for steer and heifer calves, even future replacement heifers. Syntex will also be presenting the Syntabac™ line of probiotics. Syntabac live microbial culture, the probiotic product that guarantees you live, viable organisms at the time of administration.

50

TechAmerica

7410 NW Tiffany Springs Pkwy.,
Kansas City, MO 64190-1350

Please plan to stop by the TechAmerica booth for details on the family of Premier® killed virus vaccines including new Premier® IBPL5. Also, representatives will be on hand to answer questions on Revive™ oral electrolyte, SulfaTech™ SR Bolus and Tylosin Injectable as well as the other fine TechAmerica products.

65

Torpac Limited

314 West 53rd Street, New York, NY 10019

Torpac's large size, lock-ring design, EMPTY GELATIN CAPSULES are easier to fill and use. Fill capsules with dry materials in any form, liquids and pastes. You can dose capsules orally, vaginally and intra-uterine. Use capsules to dispense bulk-powders, prescriptions, etc. Free samples and applications literature for veterinarians and manufacturers.

35, 36

The Upjohn Company

40 Centennial Road, Orangeville, Ontario L9W 3T3

Through the years, Upjohn has developed a complete line of effective bovine products. Canadian research conducted by the company's Technical Service veterinarians provides applied research data on a continual basis for the development of additional therapeutical applications for Upjohn's veterinary products. Come and visit the Upjohn booth for up-to-date information on Upjohn's bovine related product line. The following products will be exhibited: veterinary mastitis products, MGA 100 Premix, Lutalyse* Sterile Solution and Naxcel* Sterile Powder.*

82

Veterinary Concepts®, Inc.

303 South McKay Avenue, Spring Valley, WI 54767

Veterinary Concepts®, Inc. will be displaying their full line of disposable plastic and specialty products. Many new and unique products are being introduced such as: embryo freezers, culture swabs, a new D.V.M. case and Estro-Tector — a new heat detection device. We hope you stop by and evaluate our quality products and where they fit into your practice.

24

Veterinary Learning Systems Co., Inc.

2936 Brunswick Pike, Lawrenceville, NJ 08648

Veterinary Learning Systems Publishes The Compendium on Continuing Education for the Practicing Veterinarian, North American edition of Equine Veterinary Journal, and Veterinary Technician — all respected, referred journals offering review articles in a practical format. VLS also produces books, symposium proceedings, newsletters, and other special-interest publications focusing on the needs of the veterinary community.

8

Veterinary Practice Publishing Company

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

Copies of Agri-Practice and Equine Practice will be available for inspection. Dr. Schalm's Manual of Bovine Hematology, as well as "Guide to Age Determination of Cattle" will also be on display.

54

VetrePharm Inc.

69 Bessemer Road, Unit 27
London, Ontario N6E 2V7

VETREPHARM INC. is pleased to exhibit at the 1988 AABP. Please stop by our display to discuss our technological ad-

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vances in vaccines, immunostimulants and speciality hormones for the Bovine Practitioner.

17, 18

West Agro, Inc.

11100 N. Congress, Kansas City, MO 64153

Booth 1: New Iodophor Formulation Technology permits Iodine Teat Dips to be formulated to provide much higher "Free" iodine levels than do conventional iodine teat dips. Incorporation of predipping with a low iodine teat dip into the milking routine.

Booth 2: Progesterone testing and surgical scrubs, solutions and disinfectants.

NON-EXHIBITING COMMERCIAL COMPANY

Burns Veterinary Supply, Inc.

2265 Polvorosa Ave., Suite 310. San Leandro, CA 94557



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IN MEMORIAM



Joe E. Manspecker

V.M.D.

Dr. Joe E. Manspecker, Ellicott City, Maryland died on July 10, 1988, age 60.

Dr. Manspecker was elected in 1985 to represent District 2 (Delaware, Washington D.C., Maryland, New Jersey, Pennsylvania and Virginia) on the AABP Board of Directors and served for two years.

Dr. Manspecker was born, raised and practiced in Everett, Pennsylvania. He attended Iowa State College, Ames for two years and received the V.M.D. degree from the University of Pennsylvania in 1952. He spent two years as Base Veterinarian at Mitchell Air Force Base on Long Island, New York and then established a four-man mixed practice in Everett with an emphasis on dairy herd health.

In 1978, Dr. Manspecker left the practice and joined the faculty of the Virginia-Maryland Regional College of Veterinary Medicine at the University of Maryland campus, College Park as a Dairy Extension Veterinarian and a researcher in bovine reproduction. He retired in 1986.

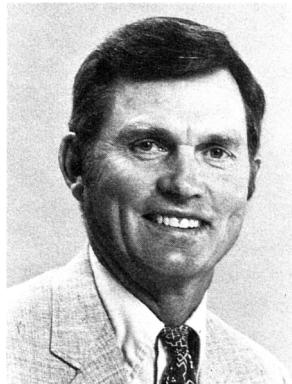
Dr. Manspecker was a member of AVMA, AABP, (served on the embryo transfer committee for two years), Society for Theriogenology, AAEP (Northeast Director), Virginia VMA and the Pennsylvania VMA (corresponding member). He was a Past President of the Penn-Alleghany VMA in Pennsylvania and Chairman of the Maryland Veterinary Foundation (1985-86).

Dr. Manspecker was a Past President of the Everett Area School District Board of Education and the Trinity Lutheran Church Board at Bedford, PA and more recently a member of the First Lutheran Church at Ellicott City.

Dr. Manspecker is survived by his wife, Kathryn, his children, Susan, Jan and Joel and by his grandchildren.

Memorials may be sent to the Pennsylvania Veterinary Foundation, Box 403, Harrisburg, PA 17108.

AABP Officers



President

Donald B. Hudson
D.V.M.
North Platte, Nebraska

Dr. Donald Hudson is Associate Professor and Extension Veterinarian at the University of Nebraska West Central Research and Extension Center at North Platte, Nebraska.

A native of Colorado, Hudson attended Colorado State University where he received his Bachelor of Science degree in Animal Science and his Doctor of Veterinary Medicine degree in 1954 and 1960, respectively.

Following graduation from Colorado State University, Dr. Hudson was the senior member in a three-man veterinary practice in Benkelman from 1960 until 1976 when he joined the Institute of Agriculture-Natural Resources.

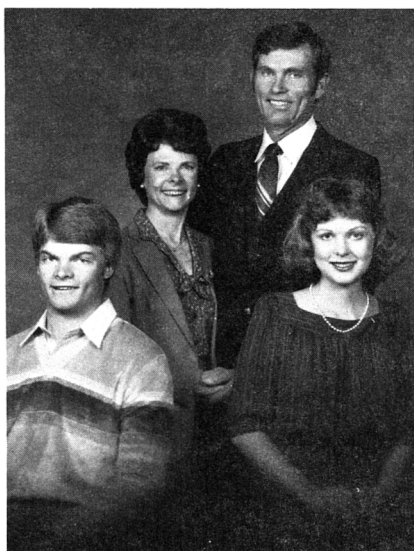
Dr. Hudson is the Nebraska beef cattle and equine specialist. Working with veterinarians, ranch-

ers and farmers, he is conducting investigations on disease problems found in the field in conjunction with the Veterinary Science Laboratory at the West Central Research and Extension Center.

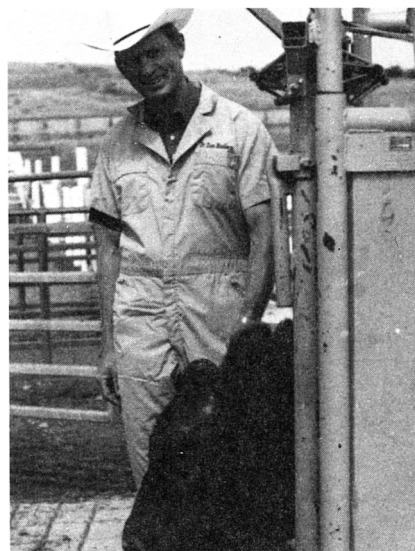
Dr. Hudson has served as alternate delegate to the American Veterinary Medical Association and was a member of the Journal of the AVMA Publications Committee; a Director and Vice President of the American Association of Bovine Practitioners; former Chairman, Nebraska Board of Examiners of Veterinary Medicine and Surgery; and Past President of the Society of Theriogenology. He has served on the Board of Directors and is on the C.E. Committee of the Nebraska Veterinary Medical Association; District Director, American Association of Extension Veterinarians; American Association of Equine Practitioners; American Academy of Veterinary Consultants; and a member of the Inter-Industry Committee on Pre-conditioning; he serves on the Animal Science Committee for the Nebraska Stock Growers Association and is co-leader of the Integrated Resource Management Program in Nebraska.

Dr. Hudson has authored or co-authored 14 journal and symposium articles, 13 Extension publications, 12 industry publications and he has given approximately 65 scientific presentations to veterinarians.

Dr. Hudson and his wife, LaVonne, reside at North Platte. They have two children—Marta is a nurse married to an internist and they live in Hays, Kansas; Nick is a Rodeo Coach and Business Agriculture instructor at Pratt Community College in Pratt, Kansas.



The Hudson family



Dr. Hudson in the field

A Message From the President

It has been an honor and a privilege to serve as President of the American Association of Bovine Practitioners. My year as President has passed quickly, and I have spent considerable time on scheduled airlines traveling throughout the nation representing the AABP.

We, the Executive Board, have made a strong effort to increase the visibility and understanding of bovine practice by attending and taking part in regional and national veterinary and producer organizations in both beef and dairy. We appreciate you practitioners who are involved with producer organizations, building a better understanding of the economic impact a practitioner can have in a production unit. All of these avenues are helpful, but the true test is how well you, the practitioner, have developed your people and professional skills to service a livestock operation. I feel there is tremendous potential for "production medicine" now in food animal medicine and ever expanding in the future. The progressive veterinarian should be a part of the management team of a livestock operation.

An Advisory Committee for Food Animal Medicine has been established to work with universities to help promote food animal medicine in their clinical teaching programs.

The AABP has established a Research Assistantship to help a bovine practitioner or graduate student

pursuing a graduate degree in bovine medicine. The assistantship is up to \$10,000 per year. The first recipient is Terry Lynn Bowersocks, a student at the University of Tennessee.

The hiring of Glen Hoffsis to represent and coordinate our efforts on food and drug issues in Washington and with the AVMA, allied groups, and producer organizations was very timely and we really appreciate Glen's efforts. Duane Rice's Food and Drug Committee has been very active in providing input and support to Glen.

The membership survey to evaluate and improve C.E. programs was well received. Over 1000 surveys were returned with good input for improving future meetings.

The AABP's primary function is continuing education for you, the practitioner. Keith Sterner, Tom Fuhrmann, Gordon Atkins, and their committees have put together an excellent program with tours and family activities for the Calgary meeting. I know we will have a good turn out and enjoy the enthusiasm and hospitality of the Canadians.

I have thoroughly enjoyed serving as your President and really appreciate the support and advice I have received from the membership.

Sincerely,
Don Hudson, D.V.M.



President-Elect

Keith E. Sterner
D.V.M.
Ionia, Michigan

Dr. Keith E. Sterner, Ionia, Michigan, is the current President-Elect. He represented District IV for two terms on the AABP Board of Directors.

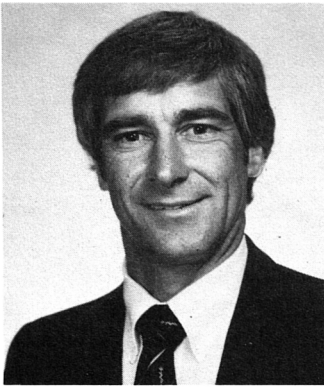
Dr. Sterner received the B.S. and D.V.M. degrees from Michigan State University in 1969. He spent two years active duty in the U.S. Army — one year in Seattle, Washington and one year in Pusan, Korea. He followed up with six months travel overseas when he met his wife, Lynn, a native of the U.S., who was teaching school in West Germany.

Dr. Sterner returned to Ionia to join his father, Dr. Edward Sterner and his associates in 1972. He is now a co-owner of the 7 person practice of 65% large animal and 35% small animal work.

Dr. Sterner is a member of the Board of Directors of the National Mastitis Council, chairman AVMA Mastitis Council, liaison person for the Michigan State University College of Veterinary Medicine and the Michigan VMA, past member MSU College of Veterinary Medicine Alumni Council; advisor, food animal section for Compendium; serves on the Michigan State Veterinarian's advisory board and the Ionia County Cooperative Extension Service Agricultural Advisory Board; member Western Michigan VMA, Michigan VMA and AVMA and the Ionia First Presbyterian Church.

Dr. Sterner was the Seminar Chairman for the 1987 AABP Convention and is the Program Chairman for this year's convention in Calgary.

Dr. and Mrs. Sterner have three children: Kimberly 11, Travis 9, and Kristin 6 years old. He enjoys bicycling, photography, gardening and skiing.



Vice President

Thomas J. Fuhrmann
D.V.M.
Tempe, Arizona

owner of Dairy Services of Arizona—a herd health practice servicing large dairies in Arizona. He is an advisor to United Dairymen of Arizona and works with the cooperative in administering their milk quality enhancement program. Dr. Fuhrmann is a consultant to Masstock International and works with a 12,000 cow herd in the Middle East.

Dr. Fuhrmann has been the continuing education liaison person for the AABP for 5 years and was actively involved in planning the highly successful AABP meeting in Phoenix last November. He is the Seminar Coordinator for this year's meeting in Calgary. Dr. Fuhrmann serves on the executive committee and Board of Directors of the National Mastitis Council; chairman, mastitis committee of USAHA and is a member of AVMA and Arizona VMA.

Dr. Fuhrmann and his wife, Joanne, enjoy traveling, golf and gardening.

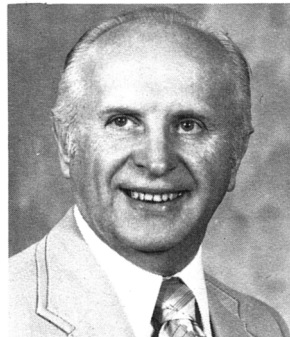
Dr. Thomas J. Fuhrmann, Tempe, Arizona, is the new Vice President.

Dr. Fuhrmann received the B.S. degree from the University of Wisconsin in 1970 and the D.V.M. from the University of Minnesota in 1974. He is engaged in private practice in Tempe, Arizona and is the



Executive Secretary-Treasurer

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



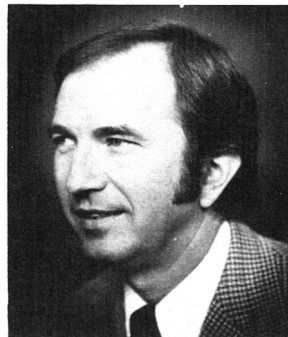
AABP Advertising Manager

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



AVMA Delegate

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



Director Re-Elected

Gordon A. Atkins
D.V.M.
Calgary, Alberta, Canada
Director, District 13



New Directors



Stephen T. Wadsworth
D.V.M.

Dr. Stephen T. Wadsworth, Enosburg Falls, Vermont, is the new director for District 1 (Connecticut, Maine, Massachusetts, New Hampshire, New York, Rhode Island, and Vermont).

Dr. Wadsworth received the D.V.M. degree from Purdue University in 1981. He is the co-owner of Northwest Veterinary Associates, a five person dairy practice in St. Albans, Vermont. The practice is production medicine oriented with 170 herds on a monthly program. They use computers to monitor herd production and to demonstrate the benefits of health programs.

Dr. Wadsworth serves on the Executive Board of the Vermont Veterinary Medical Association and is a member of AVMA, AABP, National Mastitis Council and the American Association of Sheep and Goat Practitioners. He is also active in the Vermont Memorial Lecture Series. Dr. Wadsworth is interested in third world veterinary medicine and has traveled to Central and South America on veterinary projects.

His limited free time is devoted to his team of Belgian horses, gardening and cross-country skiing. He is involved with Heifer Project International, the court diversion program, Big Brothers and the United Methodist Church. His wife, Sarah, is the local vo-ag teacher and FFA advisor.



Lawrence E. Heider
D.V.M.

Dr. Lawrence E. Heider, Columbus, Ohio is the new Director for District 4 (Kentucky, Michigan, Ohio and West Virginia).

Born in Dayton, Ohio, Dr. Heider received the D.V.M. degree from the Ohio State University in 1964. He was engaged in dairy practice at Newton, New Jersey for two years before returning to his alma mater as an Ambulatory Clinician, for eight years. He became Extension Veterinarian for Dairy programs and served for ten years. In 1983 Dr. Heider became Director of Field Services and since 1987 he has also been Director of the Teaching Hospital.

Dr. Heider is a Diplomate and a Director of the American College of Veterinary Preventive Medicine and serves on the Ohio State Board of Veterinary Medical Examiners. He is a member of the AVMA, Ohio VMA and the National Mastitis Council. He has published many papers on his research activities. His hobbies are fishing and boating.

Dr. Heider and his wife, Martha, have five children.



Robert A. Smith
D.V.M.

Dr. Robert A. Smith, Stillwater, Oklahoma is the new Director for District VII (Kansas, Missouri and Oklahoma).

Dr. Smith received the B.S. (1965) and M.S. (1970) degrees in Animal Science and D.V.M. degree in 1976 from Kansas State University. He was on active duty, U.S. Army in 1970-72. After graduation he spent a few months in practice before assuming a large animal internship in the Department of Medicine and Surgery, Oklahoma State University, where he is now in charge of the Field Services. He is also a co-director of the Stressed Stocker and Feeder Cattle Project at Pawhuska, Oklahoma. He is a feedlot consultant in feedyards up to 12,000 head capacity and has six years' experience as an auction market veterinarian.

Dr. Smith is a member of AVMA, American Veterinary Consultants, Oklahoma VMA and Kansas VMA. He has presented over 60 lectures and seminars at local, state and national meetings. He received the Norden Distinguished Teacher Award in 1983.

Dr. Smith is married with four children. His hobbies include flying, hunting and watching kids participate in sports. He is currently a Major in the U.S. Army Reserves.



Fred W. Koning
D.V.M.

Dr. Fred W. Koning, Alta Loma, California, is the new Director for District 10 (Arizona, California, Hawaii, Nevada, Mexico, Central America, and Canal Zone).

Dr. Koning received the D.V.M. degree from the University of California, Davis in 1965 and has been in a 9 person practice (predominantly dairy) at the Chino Valley Veterinary Association in Ontario, California for 23 years. He became a member of the AABP soon after it was established. He is very active in the Church of Grace Brethren in Alto Loma where the family attends. His hobbies include tennis, basketball, hiking and biking.

Dr. Koning and his wife, Jane, have 4 children: Mary 22, Ruth 20, Dan 16 and Rachel 14 years old.

Future AABP Meetings

1989—Kansas City, November 14-17

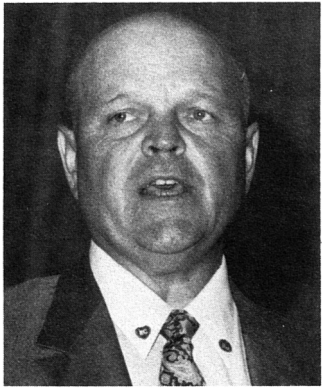
1991—Orlando, FL, September 19-22

1990—Indianapolis, IN, September 13-16

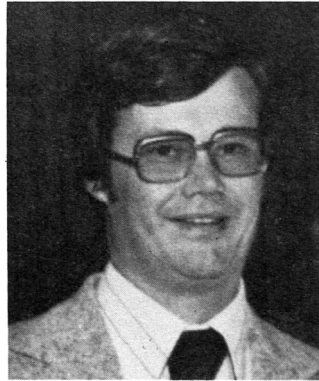
*1992—St. Paul, MN, August 31-September 4

*Joint meeting with World Association for Buiatrics

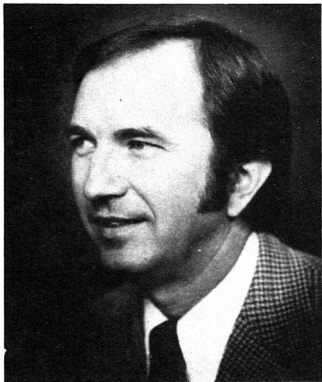
AABP Members in the News



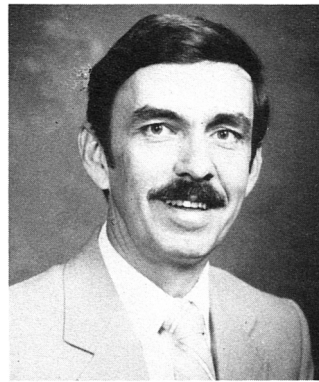
Dr. Samuel E. Strahm, Pawhuska, Oklahoma was installed President-Elect, American Veterinary Medical Association, at the recent AVMA Convention in Portland, Oregon.



Dr. Edward M. Shacklady, Okeotks, Alberta, is serving as President of the Canadian Veterinary Medical Association, 1988-89. Dr. Shacklady is a former Director for AABP District 13.



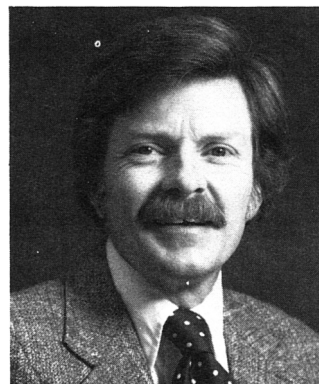
Dr. James A. Jarrett, Rome, Georgia was elected to the AVMA Council on Education at the recent AVMA Convention.



Dr. Michael K. Moore, Superior, Nebraska is the Chairman, AVMA Council on Public Relations for 1988-89.

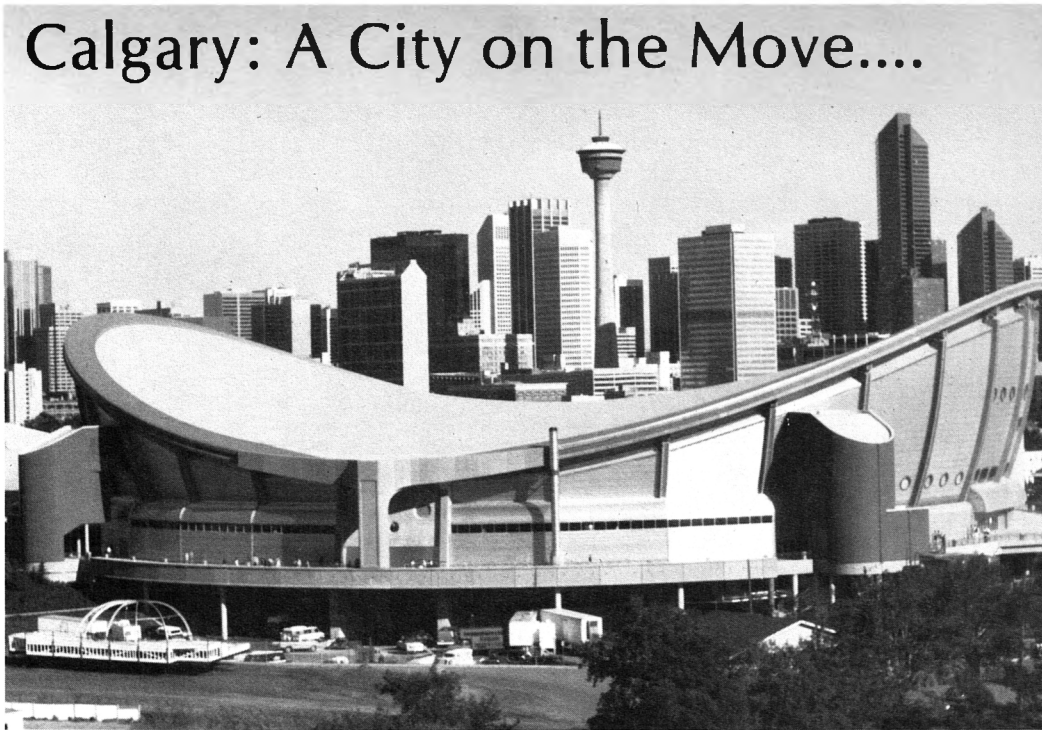


Dr. Leslie R. Douglas, Arcata, California was elected to the AVMA Council on Public Relations, representing large animal practitioners, at the July Convention.



Dr. Lawrence J. Hutchinson, Department of Veterinary Science, Penn State University was named Extension Veterinarian of the Year at the 1988 meeting of the American Association of Extension Veterinarians. He shared the honors with Dr. James D. McKean, Iowa State University.

Calgary: A City on the Move....



Calgary's birth traces to 1875 when a detachment of scarlet-coated North West Mounted Police, led by Colonel J. F. Macleod, carried orders to establish law and order to the west in the wake of buffalo hunters, trappers and whiskey traders said to be causing havoc among the Indians and a handful of white settlers. Camped at the confluence of the Elbow and Bow Rivers, Macleod named the campsite after Calgary Bay in Scotland. Little did Macleod know, as he and his men pitched their tents, that Calgary, positioned in rich grazing land with an abundance of underground natural resources, would a century later become home to just over a half a million people.

Because the lush grazing lands of southern Alberta made the area a natural for ranching, Calgary was destined to become one of the largest centres for cattle marketing. It wasn't long before the owners of tremendous herds in the United States began moving north, leaving their over-grazed ranges behind, and bringing with them the capital that would give Calgary its early reputation as a financial centre. In the very late 1800's, the Canadian Pacific Railway blazed through Calgary, helping transform the small police post into a busy business centre.

With ranching already established as a profitable industry, Calgary's growth and economic strength, at the turn of the century, was powerfully stimulated by the startling news of oil and gas discoveries in southern Alberta. In 1908, a well drilled on the Walker Estate in east Calgary struck gas. In 1901, Eugene Coste's Bow Island No. 1—nicknamed Old glory—and located in the southeastern corner of Alberta, was instrumental in initiating this province's thriving natural gas industry.

The discovery of oil at Turner Valley in 1914 marked the beginning of western Canada's oil and gas industry and a new economic era for Calgary. As word of the breakthrough Dingman discovery spread swiftly through Calgary and far beyond, the impact was remarkable: more than 500 'oil

companies' sprung up, almost overnight. People of all stature, some carrying clothes baskets filled with money, converged in frenzied droves to grab a piece of the promised wealth. Some lucky investors made a mint; others, not so lucky, lost everything.

Interest in oil and gas exploration declined in Calgary during the First and Second World Wars when Canadian men and women joined the battle abroad for the sake of freedom and peace. In 1947, the strike of oil at Leduc near Edmonton ushered in a major petro boom that quickly established Calgary as the Canadian petroleum industry's corporate head office and financial centre.

Today, with a population of over 625,000, Calgary has all the perks of big city life without the congestion.

There is an enormous variety of must-see attractions both in downtown Calgary and its environs. Be sure to stop off at the new, triangular glass-walled city hall. Completed in 1985, the building is designed around a 12 floor atrium. Next door stands the elegant old sandstone city hall, built 1907-1911. Nearby, one of Canada's most dazzling arts complexes, the Calgary Performing Arts Centre, presents an exciting program of theatrical, orchestral and variety entertainment. Trace the history of western Canada—or enjoy international exhibitions at the Glenbow Museum. Explore the 'booms and busts' of Alberta's energy industry at the Energeum Science Hall. Hop into the driver's seat of an Olympic bobsled, or thrill to the breath-taking speed of an Olympic ski run at the Calgary Olympic Centre. Then, top it off right with a ride up the 190 metre-626-foot-Calgary Tower for a panoramic view of the city, prairies and Rockies. When it is time for a rest, the Devonian Gardens on the fourth level of Toronto Dominion Square is one hectare—2.5 acre—relaxing, garden paradise.

Information by Calgary Tourist & Convention Bureau.

XV WORLD CONGRESS ON DISEASES OF CATTLE

Palma de Mallorca

SPAIN

October 11-14, 1988



Gustav Rosenberger Memorial Award presentation: Dr. R. Dubois, Brazil; Prof. Dr. D. P. Garcia-Partida, Spain, President, Scientific Section; Prof. Dr. H. J. Breukink, Holland; Mrs. Gustav Rosenberger; Dr. Alfredo Solana, Spain, Award recipient; Prof. Dr. J. Espinasse, France, President W.A.B.; Prof. Dr. D. J. M. Gonzalo, President Organizing Committee; Prof. Dra M. A. Orden, Congress Secretary; Prof. Dr. M. Stober, W. Germany, Secretary-Treasurer, W.A.B. and Dr. E. Mayer, Israel, Vice-President, W.A.B.

The XV World Congress on Cattle Diseases was held on October 11-14, 1988 in Palma de Mallorca, Spain. The city is a beautiful seaside resort on the island of Mallorca which is the largest of the Balearic Islands situated in the Mediterranean off the coast of Spain. Prof. Dr. J. Espinasse, Toulouse, France, presided over the Congress which had 900 participating veterinarians and over 300 accompanying persons and pharmaceutical representatives from 31 countries.

Over 240 scientific papers were presented with simultaneous translation provided in English, Spanish, German and French. There were also 40 poster presentations.

The inaugural lecture on Tuesday, October 11 was presented by Prof. G. Ballarini, Palma University, Italy who discussed diseases of production and their importance in bovine herd management, stressing the new role of the veterinarian in herd health management. Several well known authorities gave keynote presentations in the main subject areas which included calf diseases, reproduction, nutrition, metabolic diseases, surgery, immunology etc.

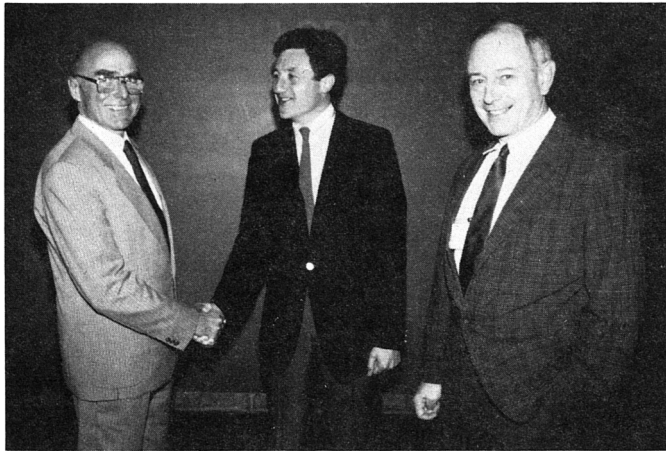
A new feature was a "round table" on the "continuing teaching of buiatrics". There was also a very extensive discussion on bovine somatotropin (BST) and its implication for the veterinary profession.

A highlight of the Congress was the presentation of the first Gustav Rosenberger Memorial Award which was established by the Dutch Buiatrics Association in honor of the late Prof. Dr. Gustav Rosenberger, Hannover, Republic of West Germany. He was secretary of the World Association for Buiatrics (WAB) for many years and a highly respected clinician and author. Prof. Dr. H. J. Breukink, Utrecht, Holland explained the award was established to recognize him and encourage research in cattle diseases. The first recipient is Dr. Alfredo Solana, University of Madrid, Spain for his work on bovine virology and the Award was presented by Mrs. Gustav Rosenberger.

Prof. Dr. Mathew Stober, Hannover, Republic of West Germany, retired after serving as Secretary-Treasurer of the World Association for Buiatrics for over 16 years. He is succeeded by Dr. Pierre Lekeux, Brussels, Belgium who received the D.V.M. degree from the University of Liege in 1978, and the Ph.D. degree from the University of Utrecht in 1984. He is chairman of the Department of Animal Physiology, University of Liege, General Secretary of the Belgian Buiatrics Association and President of the Comparative Respiratory Society (USA). Dr. Lekeux has authored over 75 publications in international journals. His main field of research is bovine pulmonary function. Prof. Dr. Stober was elected Honorary Life

Secretary in recognition of his outstanding service.

The 16th World Congress on Cattle Diseases will be held in Salvador (Bahia) Brazil on September 10-14, 1990, the 1992 Congress will be held in St. Paul, Minnesota, USA and the 1994 Congress in Bologna, Italy.

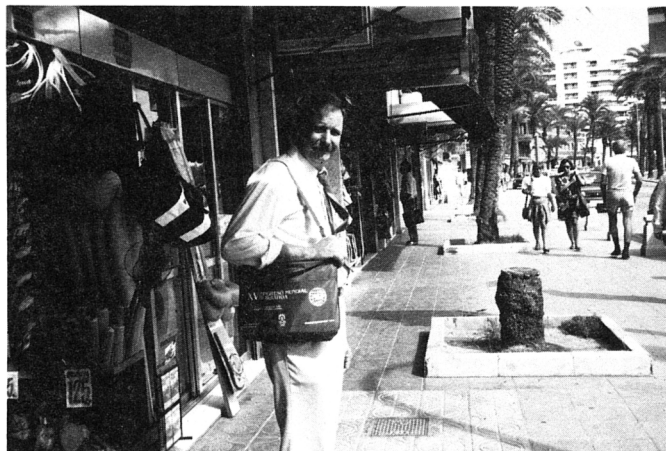


Prof. Dr. M. Stober, greeting the new Secretary-Treasurer Dr. P. Lekeux, Brussels, Belgium supported by Prof. Dr. J. Espinasse President, W.A.B.

Four new buiatric organizations were granted membership in the World Buiatrics Association, namely Zaire, Africa; the Japanese Buiatrics Association, the German Democratic Republic Buiatrics Association and the Portugese Buiatrics Association.



Round table on continuing professional development in bovine medicine: Dr. J. G. Wandera, Kenya; Prof. Dr. G. Dirksen, W. Germany; Dr. A. R. Carcagno, Argentina; Dr. Harold Amstutz, USA; Prof. Dr. J. Espinasse, France and the moderator, Prof. Dr. P. Garcia Parida.



Healthy Animals—Safe Foods—Healthy Man

World Association of Veterinary Food Hygienists (WAVFH)
Xth (Jubilee) International Symposium
Stockholm, July 2-7, 1989

In cooperation with the Swedish Ministry of Agriculture, The Government Regional Administration of Stockholm County, The City of Stockholm, The Swedish University of Agricultural Sciences, Swedish and International authorities, organizations, institutes and scientists.

Co-sponsors: The World Health Organization, WHO
International Union of Food Science and Technology, IUoFST

Headings:

• **Agricultural Practice and Safe Food**

Animal environment, animal husbandry and handling, animal health service and control on the farm; influence on food hygiene, safety and quality.

Feed and feed additives, water, minerals, drugs, growth promoting substances, insecticides etc; influence on food hygiene, safety and quality. Advantages and disadvantages. International harmonization of risk valuation, control methods and import control regulations. Progress in residue analyses.

Animal welfare, protection and ethics concerning food producing animals: influence on food and on the consumers acceptance of food of animal origin.

- **Biotechnics—Genetic Engineering:** its influence on food production.
- **International Harmonization of Food Research Programmes on Hygiene, Safety and Control of Food Animal Origin.**
- **Foodborne Diseases.** Current situation in different countries and international outlook for the future.
- **Food Hygiene in Developing Countries.**
- **Progress in Food Microbiology.**
- **Scientific Basis for Harmonizing Meat Trade.**
- **Radiation Contamination of the Food Chain.**
- **Miscellaneous** (only short communications, 10 minutes).
- **HACCP Approach** (Hazard Analysis and Critical Control Points: The concept at farm level—abattoir red meat—abattoir poultry—food processing—retail level. Only invited speakers).
- **Panel Discussion: The Role of Veterinary Services and Veterinary Public Health in Consumer Protection and Environmental Health.** Future demands and challenges.
- **Poster Sessions** will be arranged.
- **Satellite Symposia:** Three separate parallel small satellite symposia (max 5 hours) will be arranged on Sunday, 2nd of July, the day before the main symposium, covering recent developments and the future of slaughter hygiene and meat inspection of: 1. Red meat. 2. Poultry. 3. Fish (incl fish farming problems).
- **Exhibitors Concerned with Anything in the Framework of the Symposium are Welcome:**

Feed and animal production, additives and drugs, laboratory and diagnostic equipment, food processing,

storage, transport and handling etc. Exhibitors are advised to ask for more information.

A subsidized full day excursion with interesting visits will be arranged on Wednesday 5th of July. A full social programme for participants and accompanying persons will be arranged during the whole week. Pre- and postsymposium tours will also be arranged on request.

Simultaneous interpretation into and from English, German, French and Spanish will be provided during the main symposium. The satellite symposia will be held in English only.

Registration will take place the whole day, Sunday 2nd of July, and during the week of the main symposium.

Participant fee SEK 2240—(Accompanying persons SEK 820—). Payment received after 15th of April 1989 SEK 2640— (Acc p. SEK 920).

Note: Payment received before 15th of January will be reduced with 500— to SEK 1740— (acc p. SEK 620—).

The fee includes all sessions 3-7th of July, abstracts, programmes, list of participants, proceedings, a sightseeing tour and refreshments during the sessions. All participants and accompanying persons will also be invited to several subsidized or free events: Welcome Reception (2/7), Congress dinner, the full day excursion mentioned above, sightseeing tours etc.

Satellite symposia (incl. refreshments and lunch) additional SEK 350—.

Participants will be offered very special reduced hotel prices both during the week and the weekends.

More information, registration- and hotel-reservation-forms can be obtained now from the WAVFH-address below.

Speakers are supposed to send title and abstracts (max. 200 words) or at least a short description of their papers as soon as possible to the WAVFH-address below.

Abstracts to be written at least in English and in the language in which the paper will be presented (i.e. one or preferably all of the other symposium-languages). Lectures max 15 minutes. Short communications max 10 minutes. The speakers will then be informed how to type the papers.

Participation fees shall be made payable directly to PK-banken, Stockholm, account: WAVFH 3215 1802965 or by bankcheque to WAVFH-address below.

(Personal or private cheques are not accepted by the banks)

W.A.V.F.H.
K G Linderholm
Box 22067
S — 104 22 Stockholm
Sweden

Phones: * 46—8 785 50 50
(off.bureau)
* 46—8 800 500
(priv)
Telefax: * 46—8 50 55 00
Telex: 11803

PS: THEIR MAJESTIES KING CARL XVI GUSTAF and QUEEN SILVIA of Sweden have expressed interest in paying a visit to the symposium.

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And the next.

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How? 'CattleMaster' combines modified live and killed antigens with our unique chemically altered fractions. Each component is chosen for top performance and all are fully compatible.

'CattleMaster' antigens activate the animal's white blood cells — like those shown at the left — to fight off disease-causing viruses and bacteria.

'CattleMaster' maximizes both safety and performance, as proven in countless laboratory tests, field trials and independent challenge tests. 'CattleMaster' is so safe, pregnant cows can be vaccinated in any trimester.

And, while you're preventing disease, how about preventing extra work? With 'CattleMaster', there's no need to juggle an armload of syringes. Choose your range of disease protection from these five combinations. It's your Master Plan.

CattleMaster™ 4 + VL5 —
IBR, PI₃, BVD, bovine RSV, 5-way leptospirosis and vibriosis.

CattleMaster™ 4 + L5 —
IBR, PI₃, BVD, bovine RSV, 5-way leptospirosis.

CattleMaster™ 4 —
IBR, PI₃, BVD, bovine RSV.

CattleMaster™ 3 —
IBR, PI₃, BVD.

CattleMaster™ IBR-PI₃-BRSV.

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'CattleMaster' stimulates these defender
cells to recognize and destroy the disease-
causing viruses or bacteria.*

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Don't stand in our way.

We are the producers and veterinarians who are capturing the success of a team approach to animal agriculture. We are also Diamond Scientific, makers of the highly advanced HORIZON® bovine vaccines. We remind anyone involved in animal agriculture that today, if you're serious about succeeding, it's just good sense to have a veterinarian as part of your team.

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In Iowa: 1-800-248-4047

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