

American Association of Bovine Practitioners
Seventeenth Annual Conference

Des Moines, Iowa

November 27-30, 1984

Specialty Seminars November 25 — December 1

SCHEDULE OF EVENTS

SUNDAY, NOVEMBER 25

Des Moines Marriott (M)

The New Hotel Savery (S)

- Seminar 1 - Quality Milk - 8:00 a.m. - 10:00 p.m. (M)
Seminar 10 - Herd Health Program Nutrition Management Using the TI59 Calculator 8:00 a.m.-10:00 p.m.
Seminar 12 - Introduction to Microcomputer for Veterinarians 8:00 a.m.-5:00 p.m.
Seminar 13 - General Nutrition 8:00 a.m.-9:00 p.m.
Spouse Hospitality - 12:00 Noon-5:00 p.m.

MONDAY, NOVEMBER 26

- Registration - 7:00 a.m.-5:00 p.m. (M)
Seminar 1 - Quality Milk continued 8:00 a.m.-10:00 p.m.
Seminar 6 - Advanced Dairy Cattle Reproduction 8:00 a.m.-5:00 p.m.
Spouse Hospitality - 8:00 a.m.-5:00 p.m.
Seminar 10 - TI59 continued, 8:00 a.m.-10:00 p.m.
Seminar 13 - General Nutrition 8:00 a.m.-9:00 p.m.
Seminar 17 - Microcomputer Tool in Clinical Practice 8:00 a.m.-5:00 p.m.
Spouse Shopping - 10:00 a.m.-2:30 p.m. - Transportation will be provided
Board Meeting - 2:00-6:00 p.m.

TUESDAY, NOVEMBER 27

- Registration - 7:00 a.m.-5:00 p.m.
Tour I - National Animal Disease Center 8:00 a.m.-1:30 p.m.
Tour II - Iowa Midwestern Beef Cattle Tour 8:00 a.m.-1:30 p.m.
Seminar 1 - Quality Milk continued, 8:00 a.m.-10:00 p.m.
Seminar 5 - Dairy Cattle Reproduction 8:30 a.m.-5:00 p.m.
Seminar 7 - Beef Cattle Reproduction Management 8:00 a.m.-4:00 p.m.
Seminar 10 - TI59 continued 8:00 a.m.-10:00 p.m.
Seminar 14 - Advanced Dairy Nutrition 8:00 a.m.-8:30 p.m.

- Seminar 15 - Advanced Beef Nutrition 8:00 a.m.-5:00 p.m.; 8:30 p.m.-9:30 p.m.
Seminar 17 - Microcomputing Tool in Clinical Production 8:30 a.m.-5:00 p.m.
Research Summaries - 7:00-9:30 p.m.
Practice Tips - 7:00-9:30 p.m.
Spouse Program: - Beef By-Products followed by Wine and Cheese Party 7:00 p.m.

WEDNESDAY, NOVEMBER 28

- Registration - 7:00 a.m.-5:00 p.m. (M)
Spouse Hospitality - 8:00 a.m.-5:00 p.m.
Blood Pressure Clinic - 2:00-4:00 p.m.
C.P.R. Training Clinic - 2:00-4:00 p.m.
Autotutorial - 8:00 a.m.-5:00 p.m.
Seminar 2 - Fundamentals of Embryo Transfer - 8:00 a.m. - Noon
Seminar 16 - Microcomputer Nutrition Formulation Workshop 8:00 a.m.-5:00 p.m.
General Session I - 8:00-10:00 a.m.
Exhibits - 9:00 a.m.-5:00 p.m.
Regulatory Session - 10:45 a.m.-12:00 Noon
Short Topics - 10:45 a.m.-12:00 Noon
Board Luncheon - Noon
Lunch in Exhibit area - Noon
Seminar A - 1:00-5:00 p.m.
General Session II Pharmacology - 1:30-5:00 p.m.
Tour III - Terrace Hill and Botanical Center 9:30 a.m.-3:30 p.m.
Seminar 3 - ET Application, Field Problems Freezing Micro - 1:30-5:00 p.m.
Spouse Blood Pressure Clinic - 2:00-4:00 p.m.
Alumni Receptions
A Blind Date in Des Moines - Time and location to be announced at meeting

THURSDAY, NOVEMBER 29

- Spouse Tour IV - Amana Colonies 7:30 a.m.-5:00 p.m.
Registration - 8:00 a.m.-5:00 p.m.
Seminar 4 - Applied Techniques in Embryo Transfer 8:00 a.m.-10:00 p.m.

Seminar 9 - Total Animal Health Care Equipment and Management
 Systems for Dairy Cattle - 8:00 a.m.-5:00 p.m.
 Spouse Hospitality - 8:00 a.m. - 5:00 p.m.
 Autotutorial - 8:00 a.m.-5:00 p.m.
 General Session IV Infectious Diseases - 8 a.m.-Noon
 General Session III Parasitology - 8:00 a.m.-Noon
 Exhibits - 9:00 a.m.-5:00 p.m.
 Board Luncheon - Noon
 Lunch in Exhibit area - Noon
 Dairy Split Session I - Dairy Cattle Reproduction 1:30-5:00 p.m.
 Cow/Calf Feedlot Combined Session - Preconditioning -1:30-5:00 p.m.
 Tour V - Art Center and Santa's Attic 1:00-4:00 p.m.
 Iowa Food Festival - 6:00 p.m. Buses leave Hotel for Iowa State Fairgrounds

FRIDAY, NOVEMBER 30

Registration - 8:00 a.m.-5:00 p.m.
 Autotutorial - 8:00 a.m.-5:00 p.m.
 Seminar 4 - Applied Techniques in Embryo Transfer 8:00 a.m.-10:00 p.m.
 Spouse Hospitality - 8:00 a.m.-5:00 p.m.
 Dairy Split Session II - Mastitis Prevention and Control 8:00 a.m.-Noon
 Combined Cow/Calf Feedlot Session - 8:00 a.m.-Noon
 Seminar 8 - Surgery 8:00 a.m.-5:00 p.m.
 Seminar 11 - Herd Health Program Nutrition Management Using the TI59 Calculator: Update and Review 8:00 a.m.-Noon
 Seminar B - 8:00 a.m.-Noon
 Exhibits - 9:00 a.m.-4:00 p.m.
 Spouse Shopping - 9:00 a.m.-4:00 p.m.; 10:00 a.m.-2:30 p.m. - Transportation will be provided
 AABP Membership Business Luncheon
 Dairy Split Session III - Dairy Nutrition and Calf Rearing 1:30-5:00 p.m.
 Feedlot Split Session - 1:30-5:00 p.m.
 Cow/Calf Split Session - 1:30-5:00 p.m.

SATURDAY, DECEMBER 1

Spouse Hospitality - 8:00 a.m.-Noon
 Seminar 4 - Applied Techniques in Embryo Transfer 8:00 a.m.-Noon

AUTOTUTORIALS

Wednesday, November 28 — 9:00 a.m.-5:00 p.m.
 Thursday, November 29 — 9:00 a.m.-5:00 p.m.
 Friday, November 30 — 9:00 a.m.-5:00 p.m.
Sioux City Room — Marriott
 Autotutorials were very well accepted and much used at last year's meeting. We again hope to have an excellent selection for your viewing, and hope you will

use, enjoy and learn from them.

SEMINARS

This year's seminars will again be divided into two categories. We will have Technical Seminars plus Total Living Seminars.

Technical seminars are listed as entry level or basic, intermediate, and advanced.

Total living seminars are open to anyone in attendance, which includes members, spouses, exhibitors and all.

Seminar coordinators will be stationed at the door to collect tickets and help with handouts. Please assist them by abiding by their requests.

SEMINAR SCHEDULE

Seminar 1 Quality Milk, November 25-27, 8:00 a.m.-10:00 p.m.
 Seminar 2 Fundamentals of Embryo Transfer, November 28, 8:00 a.m.-noon
 Seminar 3 ET Application Field Problems Freezing, and Micro, November 28, 1:30-5:00 p.m.
 Seminar 4 Applied Techniques of Embryo Transfer, November 29, 8:00 a.m. to December 1 - noon
 Seminar 5 Dairy Cattle Reproduction, November 27, 8:30 a.m.-5:00 p.m.
 Seminar 6 Advanced Dairy Cattle Reproduction, November 26, 8:00 a.m.-5:00 p.m.
 Seminar 7 Beef Cattle Reproductive Management, November 27, 8:00 a.m.-4:00 p.m.
 Seminar 8 Surgery, November 30, 8:00 a.m.-5:00 p.m.
 Seminar 9 Total Animal Health Care Environment and Management Systems for Dairy Cattle, November 29, 8:00 a.m.-5:00 p.m.
 Seminar 10 Herd Health Program Nutrition Management Using TI59 Calculator, November 25-27, 8:00 a.m.-10:00 p.m.
 Seminar 11 Herd Health Program Nutrition Management Using TI59 Calculator: Update and Review, November 30, 8:00 a.m.-noon
 Seminar 12 Introduction of Microcomputers for Veterinarians, November 25, 8:00 a.m.-5:00 p.m.
 Seminar 13 General Nutrition, November 25-26, 8:00 a.m.-9:00 p.m.
 Seminar 14 Advanced Dairy Nutrition, November 27, 8:00 a.m.-8:30 p.m.
 Seminar 15 Advanced Beef Cattle Nutrition, November 27, 8:00 a.m.-9:30 p.m.
 Seminar 16 Microcomputer Nutrition Formulation Workshop, November 28, 8:00 a.m.-5:00 p.m.
 Seminar 17 The Microcomputing Tool in Clinical Practice, November 26-27, 8:00 a.m.-5:00 p.m.
 Seminar 18 Performance Evaluation of Dairy Cattle Using DHI Records and Other Monitors, November 27, 8:00 a.m.-5:00 p.m.

Seminar A, Osteoporosis: A Condition in All Women,
November 28, 1:00-5:00 p.m.

Seminar B, Natural History of a Medical Marriage and
Family Relationships, November 30, 8:00 a.m.-noon

TECHNICAL SEMINAR 1 Quality Milk

Level: Advanced
Limit: 20 Fee: \$475/person
Date: Sunday, November 25 - Tuesday, November 27
Time: 8:00 a.m. Sunday - 10:00 p.m. Tuesday
Room: *Salon A* - Marriott
Nov. 27 - 6:00 p.m.-10:00 p.m. - Waterloo - Marriott
Seminar Supervisor: Jim Jarrett
Seminar Instructors: Jim Jarrett, Paul Blackmer, Bob
Bushnell and Larry Heider

Paul Blackmer - Quality milk problems with rela-
tion to high bacteria counts, off flavors, and evaluation
of milking equipment in large herd management situa-
tions.

Bob Bushnell - Bacteriology and other manage-
ment aspects of producing quality milk.

Larry Heider - Evaluation of milking equipment in
small dairy barns with emphasis on bucket milkers and
current approaches to therapy.

James Jarrett - Basic milking machine functions
and evaluations.

The entire staff will be involved in discussion of
these and other areas related to production of quality
milk.

TECHNICAL SEMINAR 2 Fundamentals of Embryo Transfer

Level: Entry
Limit: 100 Fee: \$40.00/person
Date: Wednesday, November 28
Time: 8:00 a.m.-12:00 Noon
Room: *Terrace - Savery*
Seminar Supervisor: R. Peter Elsden
Seminar Instructor: R. Peter Elsden

This seminar will focus on the basic aspects of embryo transfer
needed by the practitioner who anticipates starting embryo transfer,
or who wants to be better able to inform and advise his clients on
the subject.

The course will cover the techniques and equipment, basis of
superovulation and estrus synchronization, common problems and
their solutions, expected results, costs, and recommendations to clients.

The practitioner will be informed on all areas of embryo transfer
technology which can be employed in practice. This course will
serve as a basis for enrollment in the advanced embryo transfer course.

The course registration will include Dr. Elsden's textbook which
will serve as the course notes.

TECHNICAL SEMINAR 3 ET Application Field Problems, Freezing & Micro

Level: Advanced
Limit: 125 Fee: \$40.00/person
Date: Wednesday, November 28

Time: 1:30-5:00 p.m.
Room: *Terrace - Savery*
Seminar Supervisor:
Seminar Instructor:

TECHNICAL SEMINAR 4 Applied Techniques of Embryo Transfer

Level: Advanced to Expert
Limit: 20 Fee: \$1,000.00/person
Date: November 29 - December 1
Time: 8:00 a.m. Thursday thru Saturday noon
Room: *Site to be announced*
Seminar Supervisor: Joe Wright
Seminar Instructors: Joe Wright, R. Peter Elsden,
Robert Rowe, Edwin Robertson, and Jim
Eischen

Embryo transfer seminar is being presented by the people who
developed and perfected the nonsurgical technique. All the instructors
are involved with embryo transfer procedures on a full time basis.

This seminar is intended for veterinarians who have a sound,
basic understanding of embryo transfer, are proficient and knowledge-
able in reproduction, and who wish to become more skillful in the
actual practice of E.T. techniques.

This will be a laboratory course utilizing superovulated cows,
and synchronized donors and recipients. All equipment will be
furnished. Personalized attention will be given by the expert faculty
to assure maximum progress by the participants.

Participants should be experienced and skillful in rectal palpation
before enrolling in this course.

TECHNICAL SEMINAR 5 Dairy Cattle Reproduction

Level: Knowledgeable thru Intermediate
Limit: 50 Fee \$40.00/person
Date: Tuesday, November 27
Time: 8:30 a.m.-12:00 Noon and 1:30 p.m.-5:00 p.m.
Room: *Salon H* - Marriott
Supervisor: Howard Whitmore
Instructor: Dr. Borje Gustafsson

The lectures will focus on new information for treating post-
partum metritis, cystic ovaries, repeat breeders and diagnosis of
pregnancy. New information on use of prostaglandins will be pre-
sented and herd health programs will be reviewed.

Reproductive tracts will be used to demonstrate retraction of the
uterus, identification of ovarian structures and diagnosis of pregnancy.

TECHNICAL SEMINAR 6 Advanced Dairy Cattle Reproduction

Level: Advanced Intermediate thru Specialty Level
Limit: 200 Fee: \$50.00/person
Date: Monday, November 26
Time: 8:00 a.m.-5:00 p.m.
Room: *Salon E* - Marriott
Supervisor: Jack Britt
Instructors: Jack H. Britt, Michael D. Whitacre, Nor-
man B. Williamson

This seminar is designed for individuals who devote a consider-
able amount of time or specialize in dairy cattle reproduction. The
topics will focus on current concepts of dairy cattle reproduction with
an emphasis on the high producing herd and high producing cow.
Topics to be covered include: current concepts in reproductive physio-
logy, interpretation of records and clinical findings, retained fetal
membranes, ovarian dysfunction, repeat-breeders, nutrition and repro-

duction and heat detection. Participants should have attended a beginning or advanced dairy cattle reproduction seminar previously.

TECHNICAL SEMINAR 7

Beef Cattle Reproductive Management

Level: Entry

Limit: 100 Fee: \$40.00/person

Date: 8:00 a.m.-4:00 p.m.

Room: *Salon G & F - Marriott*

Seminar Coordinator: Duane Miksch

Seminar Instructors: James N. Wiltbank assisted by

Lawrence E. Rice and Duane Miksch

This course will focus on management of beef herds for intensified reproduction. Life-cycle management for establishing and maintaining maximum reproductive efficiency will be emphasized.

Topics will include:

- Review of reproductive physiology
- Applied reproductive endocrinology
- Replacement heifer selection and development
- Feeding for improved reproductive efficiency
- Suckling management
- Bull selection to enhance herd fertility
- Mating behavior evaluation
- Estrous synchronization
 - Evaluation of available methods
 - Management for maximum benefit
- Improving estrus detection
- Profitable culling practices

Some classroom time will be spent working out problems. Each participant should bring a pocket calculator.

TECHNICAL SEMINAR 8

Surgery

Level: Introductory to Intermediate

Limit: 125 Fee: \$35.00/person

Date: Friday, November 30

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

Room: *Des Moines - Savery*

Seminar Supervisor: Bruce Hull

Seminar Instructors: John Noordsy, Don Smith

This seminar will focus on many of the more common surgical procedures used in Food Animal Practice. It will include ocular, reproductive, orthopedic, digestive, and teat and udder surgeries. Although indications for the surgeries will be discussed, this is not a seminar on diagnosis. Emphasis will be on the surgical procedure as well as anesthetics and complications. This seminar will be geared toward the practitioner and procedures he can use in his own practice. This is not a wet lab.

Routine left abomasal displacement will not be covered, however, complications such as ulcers, fistulas and adhesions will be included.

TECHNICAL SEMINAR 9

Total Animal Health Care, Environmental and Management Systems for Dairy Cattle

Level: Introductory thru Advanced

Limit: 100 Fee: \$35.00/person

Date: Thursday, November 29

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

Room: *Des Moines - Savery*

Supervisor: John Anderson

Instructors: Dr. John F. Anderson, Prof. Donald W. Bates

Epidemiology, pathology, medical factors and applied economics of field investigations will be presented together with the results of on going research.

Environmental design criteria for planning new or modifying existing confinement buildings with respect to animal health will be presented. Design of natural ventilation systems will be discussed. Mechanical ventilation including insulation, fresh air and exhaust system design will be covered. The influence of proper ventilation on farm animal respiratory function and susceptibility to disease will be included.

Calf housing with emphasis on the use of calf hutches, super calf hutches and specially designed young stock facilities will be presented.

Maternity, restraint, heifer, dry cow, and milking herd facilities as they relate to health, well-being and herd cost benefit ratios for veterinary service will be included.

TECHNICAL SEMINAR 10

Herd Health Program Nutrition Management Using The TI 59 Calculator

Level: Advanced

Limit: 20 Fee: \$300.00/person

Date: Sunday, Nov. 25 thru Tuesday Nov 27

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

Room: *Salon C - Marriott*

Time: Nov. 27 - 6:00 p.m.-10:00 p.m.

Room: *230 - Savery*

Seminar Supervisor: Ben Harrington

Seminar Instructors: Ben Harrington, Tim Lesch,

Jenks Britt, Arden Nelson

TI59 calculator and printer and magnetic cards will be available for the seminar. The new AABP nutrition module is available for this seminar. Participants should have had prior courses in basic nutrition.

Calculator Introduction: Basic Calculator and Card; Introduction to Calculator; Memory Blocks and Program Stop; Repartitioning for Nutrition Programs; Writing Programs and Magnetic Cards; Card Copying-Nutrition Programs; Basic Use of Calculator and Programs.

Ration Analysis: Ration Analysis; Prediction Dry Matter Intake; Nutrient Generation; Ration Balancing; Batch Mixes; Feeding Charts; Grain Tapes.

Applied Dairy Nutrition: Nutritional Physiology; Metabolic and Production Diseases; Feeding Systems Management; Byproduct Feed-stuffs.

Ben Harrington has TI59 calculators for sale. If you wish to purchase one contact him at 1811 Stillwater Drive, Raleigh, North Carolina 27607, Phone 919-829-4200.

TECHNICAL SEMINAR 11

Herd Health Program Nutrition Management Using The TI 59 Calculator Update and Review

Level: Advanced

Limit: 30 Fee: \$50.00/person

Date: Friday, November 30

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

Room: *Iowa - Savery*

Seminar Supervisor: Ben Harrington

Seminar Instructors: Ben Harrington, Tim Lesch,

Jenks Britt, Arden Nelson

The new AABP nutrition module is available for this seminar program update with discussion of new programs and their application.

All Participants: 1. Should have experience with the calculator programs presented by the above speakers at previous seminars, 2. Must have a TI 59 calculator and printer, and 3. Should bring examples of problem herds for group discussion.

Nutrient generator updates for milking, dry cows and heifers, with modification of nutrient requirements will be discussed.

MICROCOMPUTER/NUTRITION SEMINAR SERIES

Seminars 12, 13, 14, 15, 16, 17

Seminars Coordinator: Ben Norman, DVM

Instructors: Robert Harman, Terry Lehenbauer, Bill Stouder, Edward Sterner, Dan Drake, Jan Farley, Tony Martin, Jerry Olsen, Ben Norman

Nationally known nutritionists, practitioners, and microcomputer specialists experienced in working with veterinary practitioners will provide the instruction for this seminar series. Practice examples will be used. The information presented will be oriented to meeting practice problems with microcomputers and good nutritional practice. If there are specific questions, please contact: Dr. Ben B. Norman, Extension Veterinarian, University of California, Davis, CA 95616. (916) 752-0853, 756-1877 home.

If you have purchased a portable microcomputer and want to bring it to the sessions for your use . . . contact Dr. Norman about compatibility of your equipment with what's being provided.

TECHNICAL SEMINAR 12

Introduction of Microcomputers for Veterinarians

Limit: 20 Fee: \$135.00/person

Date: Sunday, November 25

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

Room: *Iowa - Savery*

This is a one day introduction to microcomputing. No previous experience is required. This is a hands-on exposure to operating systems, canned programs and computer hardware. General applications programs will be covered. Veterinary applications of canned software will be explored. If you don't have any experience with microcomputers but want to get your feet wet before you think about investing in this "new" tool . . . come have a go at it. There will be plenty of instructors with practice and practical experience. There will be 2 persons per micro.

TECHNICAL SEMINAR 13

General Nutrition — 2 days, 100 Veterinarians

Limit: 125 Fee: \$150.00/person

Date: Sunday, November 25

Room: *Des Moines - Savery*

Day 1—General Combined Session,

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

Beef Section 1, Microcomputer Workshop,

6:00-7:00 p.m., 20 persons

Beef Section 2, Microcomputer Workshop,

7:00-8:00 p.m., 20 persons

Beef Section 3, Microcomputer Workshop,

8:00-9:00 p.m., 20 persons

(All micro workshops, hands-on, 2 persons/micro)

Dairy Section 1, Calculator Workshop,

6:00-7:00 p.m., 20 persons

Dairy Section 2, Calculator Workshop,

7:00-8:00 p.m., 20 persons

Dairy Section 3, Calculator Workshop,

8:00-9:00 p.m., 20 persons

(Four function calculator, w/2 instructors)

Monday, November 26

Day 2—Separate Dairy & Beef Divisions

Dairy Division - 8:00 a.m.-5:00 p.m., 60 persons -

Room: *Des Moines - Savery*

Beef Division - 8:00 a.m.-5:00 p.m., 40 persons -

Room: *308 - Savery*

Dairy Section 1, Microcomputer Workshop,

6:00-7:00 p.m., 20 persons

Dairy Section 2, Microcomputer Workshop,

7:00-8:00 p.m., 20 persons

Dairy Section 3, Microcomputer Workshop,

8:00-9:00 p.m., 20 persons

(All micro workshops, hands-on, 2 persons/micro)

Beef Section 1, Calculator Workshop,

6:00-7:00 p.m., 20 persons

Beef Section 2, Calculator Workshop,

7:00-8:00 p.m., 20 persons

Beef Section 3, Calculator Workshop,

8:00-9:00 p.m., 20 persons

(4-function calculators, 2 instructors)

This is a refresher or entry level intensive nutrition seminar. The first day is a joint session on general nutrition subjects, nutrient analysis, energy and protein considerations, rumen physiology, trace minerals and other factors. On the second day there will be split sessions for beef and dairy using the NRC books to solve case presentations. Common field problems will be discussed. The evening sessions will provide hands-on use of calculators and microcomputers in the solving of nutritional equations and problems. Applied nutrition will be stressed. Nationally known nutritionists will provide instruction. There will be handouts.

TECHNICAL SEMINAR 14

Advanced Dairy Nutrition

Section One, 20 persons — Room *210 - Savery*

Section Two, 20 persons — Room *220 - Savery*

Limit: 20 each section Fee: \$95.00/person

Date: Tuesday, November 27

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

6:30-7:30 p.m. Microcomputer lab one

7:30-8:30 p.m. Microcomputer lab two

Room: *Iowa - Savery*

This is for persons having some basic nutrition background, and/or experience in working with dairy nutrition problems in the field. This will be a discussion type seminar with time for questions . . . come prepared to participate. Subjects will include dry cow nutrition, nutrition and downers, some trace minerals, nutrition and reproduction. There will be an evening microcomputer lab.

TECHNICAL SEMINAR 15

Advanced Beef Cow Nutrition — 1 Day, 20 Persons

Limit: 20 each section Fee: \$95.00/person

Date: Tuesday, November 27

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

8:30 a.m.-9:30 a.m. Microcomputer lab

Room: *308 - Savery*

This seminar presumes some background or experience working with beef cattle nutrition, such as a previous general nutrition seminar or practical experience or course work. This will be a discussion type seminar with time for questions . . . come prepared to participate. Nutrition and reproduction will be covered. Supplementation systems will be discussed. Protein and NPN will be reviewed . . . some trace minerals covered. There will be an evening microcomputer lab.

TECHNICAL SEMINAR 16

Microcomputer Nutrition Formulation Workshop 20 Persons

Limit: 20 Fee: \$135.00/person

Date: Wednesday, November 28

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

Room: Iowa - Savery

This is a working hands-on lab using two different software packages for solving nutritional field problems. Specific practice-oriented field problems will be covered by practitioners using nutritional packages in their practice. Differences in these packages will be demonstrated. Problem solving with the microcomputer will be stressed. Nutritional programmers will be part of the instruction group.

TECHNICAL SEMINAR 17

The Microcomputing Tool in Clinical Practice

20 Persons

Limit: 20 Fee: \$250.00/person

Date: Monday & Tuesday, November 26-27

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

Room: Iowa - Savery

This is an intensive hands-on microcomputer workshop given by practitioners actively using micros in their daily practice. There will be 2 persons/machine. Some computer experience is desirable, but not absolutely essential. Case presentations will be solved using veterinary software. Reproductive and fertility program evaluations will be covered using a practice oriented package. Reviewing electronic literature data bases for specific clinical problems will be covered. There will be limited exposure to a microcomputer based nutrition package. It will be a full two days given by experienced practitioners, nutritionists, epidemiologists, and programmers. There will be time for questions. How some practitioners charge for this type of service will be open for discussion.

TECHNICAL SEMINAR 18

Performance Evaluation of Dairy Cattle Using DHI Records and Other Monitors

Level: Introductory

Limit: 125 Fee: \$70.00

Room: Salon E - Marriott

Date: Tuesday, November 27

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

Supervisor: R. Kenneth Braun

Veterinary control programs are designed to support management activities in various ways. Veterinarians working in such programs are confronted with the interaction between farm management, animal husbandry, health status and economics. Control programs should therefore have a wide scope and be based on these interactions in order to meet the requirements of a successful dairy operation. Veterinary Control Programs require the availability of relevant information about various areas of dairy farming and adequate methods to follow. Due to these demands, the dairy practitioner is in need of systems or models to detect, evaluate, analyze, solve and prevent herd problems related to health status and productivity. The combination of these systems or models could be named Herd Health and Production Control Programs.

The objective of this seminar is to present information to the practitioner on the interpretation of records and their use in monitoring health and production indices.

Since this is a new seminar a detailed schedule is being printed for prospective registrants.

Production Medicine

8:00-8:20 a.m., Leon D. Weaver, 20 minutes

An Overview of DHI Programs:

Recent Advances in DHI Technicology - Computer Access

8:20-9:20 a.m., Dan Webb, 60 minutes

Assessing Herd Performance in Relation to Income over Feed Cost, Peak Test Day Production,

ME, Culling and Dry Period

9:20-10:00 a.m., R. K. Braun, 40 minutes

Milk Break: 10:00-10:15 a.m.

Evaluation of Reproductive Performance

10:15-11:00 a.m., Leon D. Weaver, 45 minutes

Milk Quality Control Monitors

11:00-12:00 a.m., John H. Kirk, 60 minutes

Lunch: 12:00-1:00 p.m.

Evaluating Replacement Rearing Program

1:00-1:40 p.m., G. A. Donovan, 40 minutes

A Discussion of How DHI Records and Other Monitors Are Used by Veterinarians from Various DHI Centers

1:40-3:00 p.m. (20 minutes each)

DHI Center:

New York - Arden J. Nelson, Ontario, Canada,

- Kenneth E. Leslie, Wisconsin - Scott E. Allenstein, Utah - Stephen A. Smalley

Milk Break: 3:00-3:15 p.m.

Use of DHI Records Continued:

Other On-Farm Microcomputer Applications

3:15-4:00 p.m., Dan Webb, 45 minutes

Nutrient Requirements for Dairy Cows

Relative Values of Feed Ingredients

Spread Sheets

Data Base Manager

Decision Aids

Record Keeping

On-Line Communications

Round Table Discussion:

4:00-5:00 p.m. (60 minutes)

TOTAL LIVING SEMINAR A

"Osteoporosis, a condition in all women"

Level: All registrants, including commercial personnel

Supervisor: Roger W. Meads

Instructor: Everett Smith, M.D., Ph.D., University of Wisconsin Medical School, Madison, WI

Limit: 100 persons Fee: \$20.00/person

Date: Wednesday, November 28, - 1:00-5:00 p.m.

Room: Frontier West, Holiday Inn

Osteoporosis is a condition which effects all women. It begins in the 20's and is accelerated during and after menopause. Osteoporosis causes 1.3 million fractures, at a cost of 8.8 billion dollars annually.

It is possible to eliminate Osteoporosis with a planned program of exercise and consumption of specific dairy products. You will be able to throw away your calcium pills and vitamin injections. This seminar will help you understand Osteoporosis and correct all the misconceptions you have about this condition. Dr. Smith will have a specific program for each person, according to their age. Hand out materials will be provided for registered participants.

Dr. Smith has an exciting presentation, providing information which will have a lifetime effect upon each woman attending. He is considered the leading authority on Osteoporosis, lecturing worldwide. His work is widely published in medical and technical journals, plus popular periodicals such as, *Better Homes and Gardens*, *McCalls*, *Glamour*, and others.

Male members of A.A.B.P. are encouraged to attend and take home a lifetime gift of information for their wife, mother, or female clients.

TOTAL LIVING SEMINAR B
"Natural History of a Medical Marriage and Family Relationships"

Level: All registrants, including commercial personnel.
Couples are encouraged to attend.

Supervisor: Roger W. Meads

Instructor: Dr. and Mrs. Gordon Deckert, Chairman
Department of Psychiatry and Behavioral
Sciences, University of Oklahoma

Limit: 125 Fee: \$30.00/person or \$45.00/couple

Date: Friday, November 30, 8:00 a.m.-12:00 p.m.

Room: *Terrace - Savery*

We are fortunate to be able to present this outstanding speaker. Dr. Gordon Deckert has been a national favorite presenter in the human medical profession for many years. We qualify for his subject - Medical Marriages. Dr. Deckert's style of delivery, his intensity, and knowledge about you and your personal relationships will increase your awareness of *your* marriage - medical or not.

We will share both laughter and tears together. Dr. Deckert knows our roles well, and speaks directly to each one of us. He enables us to look at ourselves, as others see us. Let us listen . . . learn . . . and then grow together! You will always remember this unusual once in a lifetime experience!

DRUG COMPANY SEMINARS

Drug companies are invited to present seminars Friday evening, November 30. Interested parties should contact Herbert Lloyd, Route 8, Box 130, Arcadia, Florida 33821, Phone 813-494-6186 for details.

PRACTICE TIPS

Tuesday, November 27

7-9:30 p.m.

Des Moines Marriott

Salon E F G H

Nolan R. Hartwig - Presiding

A Modified Technique for Vulvar Repair in the Bovine,
Stan Held

Practitioner's Role in the Diagnosis of *Haemophilus somnus*, Ivan R. Nicholson

Treatment of Sole Abscesses of Cattle, Ross K. McPhail
Ten Tips in Running a Mixed Practice With Six Veterinarians and One Million Dollar Gross, Dr. Kenneth Fertig

Innovations in Ruminant Nutrition, Charles Olentine
Some Observations on Field Use of BVD Vaccines,
Kurt Wohlgemuth

What Do You Know About Buffalo? Debbie Swift
On the Farm Diagnostic Procedures for Specific Toxicants, Gavin Meerdink

RESEARCH SUMMARIES

Tuesday, November 27

7-9:30 p.m.

Des Moines Marriott

Salon D

Gavin Meerdink - Presiding

Bovine Pinkeye - Etiology and Pathogenesis, Ricardo

Rosenbusch

Subclinical Coccidiosis Infection in Calves, James Fox
Suppression of Neutrophil Function in Bovine Respiratory Disease, James Roth

Role of Potassium in Heat Stress in Dairy Cattle,
David Ritchie

Use of Zinpro in Reducation of Somatic Cells in Bovine Mammary Glands, Laverne M. Schugel
Campylobacter fetus Bacterins, Hans Draayer

GENERAL SESSION I

Wednesday, November 28

8:00-10:20

Iowa Ballroom - Marriott

Title: Symposium on Future of Food Animal Practice
Jenks Britt - Presiding

8:00 Keynote Address: Future of Food Animal Practice, R. H. Dunlop

8:40 Introduce Symposium on Future of Food Animal Practice, John Herrick

9:05 An opinion on the future of L.A. practice, Ed Robertson

9:25 How I see the future of Food Animal Practice, Bob Bohlender

9:45 A Midwestern Practitioner's View of What is in Store for Food Animal Practice, Keith Sterner

10:05 - 10:20 Questions and Answers

REGULATORY SESSION

Wednesday, November 28

10:45-11:35

Salons A B C D

Glen Hoffsis - Presiding

10:45 Regulations on International Transport of embryos, Joe Wright

11:10 Reaccreditation proposal, Bert Hawkins

11:35 Licensing Biologicals, Bert Hawkins

SHORT TOPICS

Wednesday, November 28, 1984

10:45-12:00 Noon

Salons E F G H Marriott

Jay Brown - Presiding

Postpartum Use of Gonadotrophin-Releasing Hormone GnRH to Improve Reproduction Efficiency in Dairy Cows, Myron Brown

How to Make a BVD Diagnosis, Ned Brown

Computerized Dairy Management, Robert C. Dawson
Patellar Luxations and Corrections, Dale Nelson

Use of Fenprostalene in the Treatment of Retained Placenta in the Bovine, Darby Moeller

Factors Involved in Adverse Reaction to Bovine Biologicals, Richard Searl

Economics of Early Castration and Utilization of Ralgro Implants, John Bonner

GENERAL SESSION II

Wednesday, November 28

1:30-5:00

Salons H G F - Marriott

Pharmacology and the Practitioner

Fred Wertman - Presiding

- 1:30 Practical Approach to drug dosage for the practitioner, Dwight Mercer
- 2:15 Antimicrobial Drugs, What is the dose? Dan Upson
- 3:00 Break
- 3:30 Practical Residue Detection, Charles Dobbins and Tony Oszlanyi
- 4:15 Label expiration dates and how they are determined, Bush Meredith

GENERAL SESSION III

Thursday, November 29

8:00 a.m.-Noon

Salons E F G H

Parasitology

Larry Smith - Presiding

- 8:00 Ostertagia ostertagi: Clinical condition, Recognition of Disease States and Approaches to control through Anthelmintics and Management, J. C. Williams
- 8:50 Ostertagiosis in Missouri Beef Cattle - The Scenario from Calving to Feedlot, Robert Corwin
- 9:40 Break
- 10:20 Dairy Herd Parasitology: Current Practices and Future Possibilities, Richard Bradley
- 11:10 Bovine Parasites of Particular Importance in the Northwest, Richard Wescott

This Session is supported by American Hoechst Corp.

GENERAL SESSION IV

Thursday, November 29

8:00-12:00 Noon

Salons A B C D - Marriott

Infectious Diseases

George Lambert - Presiding

- 8:00 Paratuberculosis: Prevalence, prevention, diagnosis and treatment, R. S. Merkal
- 8:50 Persistent infection of cattle with BVD virus: Recent findings on origin, prevalence and relationship to disease, S. R. Bolin
- 9:40 Break
- 10:20 Bluetongue: Disease or Export Barrier, J. E. Pearson
- 11:10 Bovine leukemia virus infections: A continuing cause of concern, M. J. Van Der Maaten and J. M. Miller

This Session is sponsored by NADC-USDA

DAIRY SPLIT SESSION I

Thursday, November 29

1:30-5:00

Salons A B C D - Marriott

David McClary - Presiding

Dairy Cattle Reproduction

This half-day session will attempt to provide the practitioner with information concerning physiological and pathological events of the periparturient period that can affect subsequent fertility in the dairy cow. Following a review of normal post-partum reproductive physiology emphasis will be placed on pathology and treatment.

- 1:30 Normal Uterine Physiology and Involution, William W. Thatcher
- 2:00 Periparturient Events and Subsequent Fertility, Leon Weaver
- 2:30 Metritis and Pyometra, Jerry Olson
- 3:00 Break
- 3:30 Prostaglandins in the Post Partum Cow, Harry Momont
- 4:00 Effects of Post Partum Uterine Disease on Subsequent Reproductive Performance, Harold Miller
- 4:30 Questions and Answers - All Program Participants

COW/CALF FEEDLOT COMBINED SESSION

Thursday, November 29

1:30-5:00

Salon E - Marriott

Preconditioning

Bill McElroy - Presiding

- 1:30 History and Guidelines, John Herrick
- 2:00 Pre and Post Weaning, Danny Williams
- 2:30 Immunization, Robert Kahrs
- 3:00 Break
- 3:30 Marketing, Promotion, Organization and Cooperation, Kurt Wohlgemuth
- 4:00 Economics and Health Benefits, Nolan Hartwig
- 4:30 Questions and answers

DAIRY SPLIT SESSION II

Friday, November 30

8:00-11:30

Salons A B C D - Marriott

Walter M. Guterbock - Presiding

Mastitis Prevention and Control

Co-Sponsored by the National Mastitis Council

This session offers the latest information pertaining to udder hygiene, equipment sanitation, and monitoring of bacteria and somatic cells. AABP is grateful to NMC for its financial assistance in co-sponsorship of this session.

- 8:00 Pre-milking udder preparation in smaller dairies, David M. Galton
- 8:30 Hygienic practices affecting mastitis and milk quality in larger dairies, Robert Bushnell
- 9:00 Use of individual cow somatic cell counts and bulk tank samples to monitor herd mastitis status, Will Hueston
- 9:30 Break
- 10:00 Economics of lactation therapy based on high somatic cell counts, Hollis N. Erb
- 10:30 A practitioner approach to mastitis microbiology for acute and subclinical cases, Douglas M. Van Damme
- 11:00 Questions and answers - All program participants

COMBINED COW/CALF FEEDLOT SESSION

Friday, November 30

8:00-11:30

Salons E F G H - Marriott

Gary Runyon - Presiding

- 8:00 Heifer Spaying - Kimberly Rupp Method, Box Bohlender
- Heifer Spaying - Flank Method, Bill McElroy
- 9:00 Residue Audiance or Veterinary Entrapment What Do They Want? Dee Griffin
- 9:45 Break
- 10:15 Fescue Toxicity Syndrome, Duane Miksch
- 11:15 Clinical Considerations of Coccidiosis, Paul Ennes

DAIRY SPLIT SESSION III

Friday, November 30

1:30-4:45

Salons A B C D - Marriott

Walter Guterbock, David McClary - Presiding
 Problem Solving Sessions - Dairy Nutrition and Calf Rearing

This session is designed to allow attendees to determine the course of discussion. Panel members are chosen because of the experience and expertise in the assigned areas. They will respond to questions and problems encountered in practice. It will be helpful if questions are submitted in writing at the beginning of the session but oral questions can also be taken from the audience during the session. Discussion will be limited to the areas of nutrition and calf rearing. Be prepared to participate with questions and problems you have encountered in your practice experience.

- 1:30 Dairy Nutrition - Panel Introduction, David McClary
- Panel Discussion, Jenks Britt, Ben Harrington, Michael Hutjens, Tim Lesch
- 3:00 Break
- 3:15 Dairy Calf Rearing - Introduction of Panel, Walter Guterbock
- Panel Discussion, John Anderson, Ken Braun, Thomas Herdt, Don Klingborg
- 4:45 Session Ends

SPLIT SESSION — FEEDLOT

Friday, November 30

1:30-4:30

Salons E F G H - Marriott

W. V. McElroy - Presiding

- 1:30 Feedlot Surgery, Bruce Hull
- 2:15 A BVD Wreck: A Practitioner's approach at epidemiology, R. G. Stout
- 3:00 Break
- 3:30 Dipping Vat Problems in the feedlot, Dee Griffin
- 4:15 Immunizing the Incoming Calf, Robert Kahrs
- Question and Answer time permitting

COW/CALF SPLIT SESSION

Friday, November 30

1:30-5:00

Salon E - Marriott

Edward Shacklady - Presiding

- 1:30 Future Use of Computers in Practice, Jay Brown
- 2:15 Use of the Computer in Practice, Joe Meller
- 3:00 Break
- 3:30 Starvation Syndrome in Western Beef Cattle, Marie Bulgin
- 4:15 Toxicity of Ammoniated Hay, John Reagon

**VETERINARIANS CAN WIN PRIZES
 BY VISITING THE EXHIBITS**

**RULES AND DETAILS OF THE
 "BOVINE GIVEAWAY"**

Prizes: Ten (10) at \$50.00 each.

Eligibility: All veterinarians registered at the AABP conference.

Rules:

1. Business cards will be the drawing ticket. Bring 60 business cards and visit the exhibits. Each exhibitor will have a milk bottle, provided by the AABP, into which these business cards will be placed.
2. The AABP Board of Directors will hold a drawing to decide the ten bottles from which the business cards will be drawn.
3. The main drawing will be held at the Friday noon luncheon and annual business meeting of the AABP. At this time, one business card will be drawn from each of the lucky ten bottles. This will be limited to one prize per veterinarian. Winners need not be present to collect.
4. Business cards and milk bottles will become the property of the exhibitor in whose booth the bottle was placed, after the drawing.

AABP 1984 PROGRAM COMMITTEE

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Ed Ames

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Jay Brown
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Larry Lemley
William McElroy
R. E. Shirbroun
Gary Runyon
W. M. Wass
F. D. Wertman

**Practice Tips, Scientific Short Topics
Research Summaries:**
John Herrick

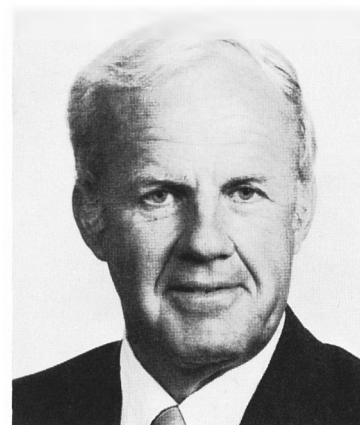
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Dr. William Blohm



1984 AABP Conference Exhibitors

EXHIBITS-Exhibit Hall

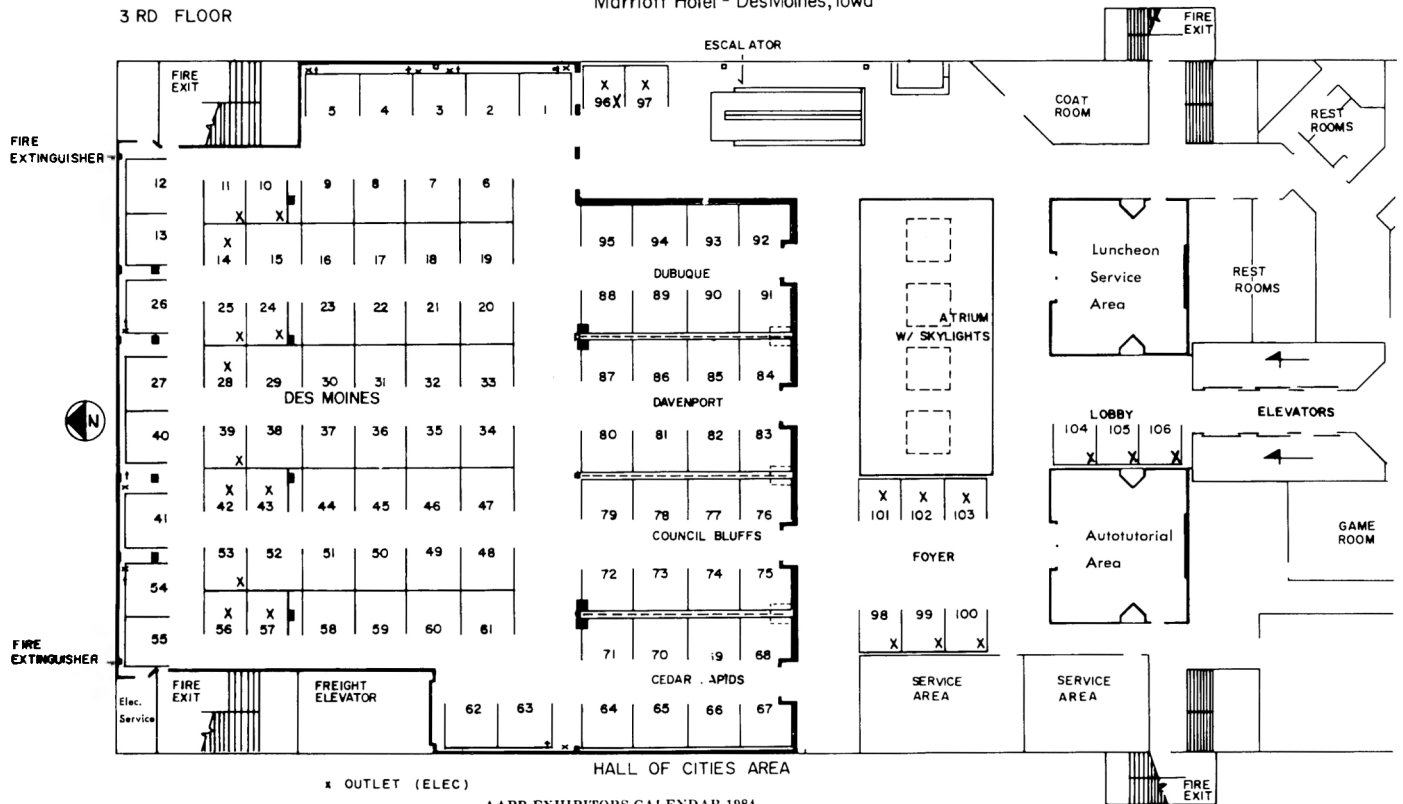
Please remember our exhibitors are supporting us at this meeting in a major way. Let's visit their booths and show them we appreciate their support. Visit them anytime they are open but especially during the two luncheons in the area.

*Samuel Hutchins, 3rd
D.V.M., South Barre, Virginia
Exhibits Manager*

DES MOINES
MARRIOTT HOTEL
3 RD FLOOR

AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS
1984 CONVENTION - November 27-30
Marriott Hotel - Des Moines, Iowa

Freeman
Design/Display
Company
2000 East Boulevard
P.O. Box 8180 - 114th Street
Des Moines, Iowa 50329
515-265-3621



x OUTLET (ELEC)
↑ PHONE

83 — 10' x 8' Booths
23 — 8' x 8' Booths (X)
106 Total

AABP EXHIBITORS CALENDAR 1984

- June 30 Deadline for booth application for maximum bonus points.
- Aug. 1 Deadline for exhibit description for Bovine Practitioner.
- Sept. 15 Final payment for exhibit space.
- Nov. 10 Deadline for exhibitor pre-registration.
- Nov. 27 Exhibit move-in: setup - 8:00 A.M. - 6:00 P.M.
- Nov. 28 9:00 A.M.: Exhibits open.
- Nov. 30 4:00 P.M.: Exhibits close. Dismantle, cleanup, and complete removal by 10:00 P.M.

3rd FLOOR — EXHIBITS
2nd FLOOR — General Sessions & some Seminars
Most Seminars — New Savery Hotel & Spa

Agri-Sales Associates

Agri-Sales Associates is a national manufacturer's rep group selling Animal Health Products, Insecticides, Livestock Equipment, Waterproof Footwear, Cattle Identification.

Albion Laboratories, Inc.

101 North Main Street
Clearfield, UT 84015

Featuring Albion's Breeder Pac for Dairy and Beef, Replamin Liquid, Mg-K-Lite, IMZ, Beef & Dairy Mineral, Replamin Extras, all using Albion's patented Amino Acid Chelated Minerals. Technical people on hand to discuss breeding problems, embryo transplants, etc. Where nutrition is important, and new products for veal growers.

American Cyanamid

1 Cyanamid Plaza
Wayne, NJ 07470

American Cyanamid will be displaying its cattle health products. Tramisol[®] cattle wormer, Warbex[®] Pour-On, Guardiam[™] Cattle Ear Tags, Avreos 700[®] Medicated Premix, and Aureomycin[®] Medicated Premix. Technical service and sales personnel will be present.

American Hoechst Corporation

Animal Health Div.
Rt. 202-206 North
Somerville, NJ 08876

Educational films and booklets available at The American Hoechst Corp., Animal Health Div. Veterinary Pharmaceuticals Exhibit. Veterinary product information available from the animal health veterinary pharmaceutical technical representatives.

AMFAC Veterinary Supply Co.

c/o Holmes Serum Co., Inc.
Division of AMFAC
1301 Knotts Ave.
Springfield, IL 62705

Amfac Veterinary Supply Co., will display a cross section of large animal products including specialty instruments, pharmaceuticals, stereo microscopes, and other equipment. Stop for the latest product information, and to register for the drawing.

H. W. Anderson Products, Inc.

221 South St.
Oyster Bay, NY 11771

We will exhibit our Anprolene Gas Sterilizers and accessories. Anprolene is the only truly affordable gas sterilization system and brings this valuable tool within the reach of every practitioner. It allows the veterinarian to sterilize any device in his practice as it operates at room temperature and atmospheric pressure.

Animal Nutrition and Health

ANIMAL NUTRITION AND HEALTH magazine is directed at food animal veterinarians and nutritionists, providing up-to-date information on recent developments on the interrelationships of health and nutrition.

Babson Bros. Co.

2100 S. York Rd.
Oak Brook, IL 60521

The display will consist of Surge Dairy Farm Equipment. The exhibit will feature microprocessor controlled components and computerized dairy management systems.

Beecham Laboratories

501 Fifth Street
Bristol, TN 37620

Beecham Laboratories invites all meeting participants to stop by our booth where an extensive line of quality pharmaceutical and biological products will be on display. Among the products on display will be Beecham's newest entries in the vaccine market and recent additions to the pharmaceutical line.

Bio-Ceutic Laboratories

2621 N. Belt Highway
St. Joseph, MO 64502

Bio-Ceutic offers a broad line of bovine combination biologicals to easily complete the NCA/AABP calf vaccination program. Now, also featuring: New easy-to-load Magnum Pistol Grip (TM) Multi-Dose Implanter for implanting HEIFER-oid (TM) growth implants. Plus, Chem-Cast (TM) for castrating young bulls without complications. And, Vibo 5/Somnugen for protection against bovine respiratory and reproductive diseases in one, convenient vaccine.

Biomed Research Labs., Inc.

1115 E. Pike St.
Seattle, WA 98122

Biomed Research Laboratories, Inc., is a USDA-licensed manufacturer of AUTOGENOUS BACTERINS: biologics prepared from inactivated cultures of microorganisms isolated from diseased animals and deemed to be the causative agent(s) of the current disease. AUTOGENOUS BIOLOGICS are useful in preventing the spread of infectious disease, particularly in problems where antigenically heterogeneous pathogens are involved. Since they are prepared from the isolate(s) causing the disease problem, the biologic is directed solely against the problem strain(s). AUTOGENOUS BIOLOGICS can provide the veterinarian with an inexpensive and powerful tailored tool for coping with problem diseases.

Bio-Zyme Enterprises, Inc.

1231 Alabama
St. Joseph, MO 64504

The Vita Ferm System based on sound nutrition, management, and genetics. 1984 AABP marks the introduction of the Vita Ferm guarantee on Vita Charge and Dyna Charge. Your satisfaction is guaranteed when our positive feeding program, for stressed animals, is used to complete your treatment and management program.

Bowie Mfg. Inc.

Bowie will feature one of their latest in fiberglass mobile veterinarian clinic bodies for compact, full size, or chassis trucks; and the all new Bowie/Polaroid instant x-ray system.

Butler Sales Associates, Inc.

P. O. Box 8098
St. Joseph, MO 64508

Butler Sales Associates are manufacturers' representatives offering a variety of bovine products to the profession. Highlighted will be VET-A-MIX's Sulectro-Sol One, Rumen-Eze, ToxiBan, Bovi-Form K, Super SeE, and other L.A. products. ETHCO lactobacillus products and J.B. LIMA pharmaceuticals are also featured. Other products to be introduced include Ketonate, Fight Bac, Nitro-Fur Puffers, Neo-Violet, Harford O.B. Sleeves, Keto Nutri-Aid, and Dyna-Mag Magnets.

CEVA Laboratories, Inc.

10560 Barkley
Overland Park, KS 66212

You are cordially invited to visit the CEVA exhibit. We will be exhibiting our full line of bovine products including: vaccines and bacterins, antibiotics, fluids and sets, etc. We are featuring our concentrated solutions with our 3 liter I.V. bag. Also, our reproductive hormones, Cystorelin, and Syncro-Mare-B.

Dairy Equipment Co.

1919 Stoughton Rd.
Madison, WI 53716

Dairy Equipment Co., will display its new Activity Monitor 2030 Computer System and Dectrace Recorder.

Dairy Management Associates

450 W. 21st, Suite C
Merced, CA 95340

Dairy Management Associates is offering a dairy herd health monitoring and management analysis program that can be used by veterinarians with any size dairy clients. The program is designed to run on most small microcomputer systems in use today. Besides allowing the veterinarian to increase the efficiency of his dairy practice, the program allows for increased management analysis of client herd practices. Features of the program include: batch entry of information, user-defined reporting parameters, printing capabilities for all reports, storage capacity limited only by hardware, professional support from veterinarians and computer experts.

Diamond Laboratories, Inc.

A Syntex Company

Diamond Laboratories, Inc., A Syntex Company, is featuring Synovex[®] implants, a bovine growth promotant, and Bovilene[®] Sterile Solution, a unique and very efficacious luteolytic product that causes a lysis of the corpus luteum. Bovilene is approved as a feed-lot abortifacient for heifers as well as for estrus synchronization.

Elanco Products Company

A Division of Eli Lilly & Co.
740 S. Alabama, Bldg. 13-3
Indianapolis, IN 46285

Our exhibit features the products Compudose and Tylan Injection. Compudose is the implant with the unique longer lasting payout. It is cleared for steers from birth to market. Tylan Injection is the fast-acting antibiotic for cattle and hogs which goes right to the site of infection.

Encyclopaedia Britannica USA

As part of our exhibit we will have on display the 30-volume EB 3 and other related educational publications.

Fearing Manufacturing Co., Inc.

490 Vallauve Avenue
South St. Paul, MN 55075

Fearing is an American manufacturer of high quality identification tags for animals. They are easy to apply and stay on the animals for years. To balance out their line of tags they manufacture the DECKEM and Duo-DECKEM Insecticide ear tags. See all the products in the Fearing booth, No. 91.

For-Most, Inc.

Box 33
Hawarden, IA 51023

For-Most will be showing the NEW 450 chute. This is a chute of all chutes. It can be a vertical side chute or a V-Type chute. Both sides open for exit from either side, all doors open and remove for complete access to animal. Chute can be portable or stationary and also has palp cage available.

Fort Dodge Laboratories

800 5th Street NW
Fort Dodge, IA 50501

Please plan to visit the Fort Dodge Laboratories' booth for up-to-date information on Triangle[®] vaccines including Triangle[®]-3—the first killed, IBR, BVD, PI, vaccine. Information will also be available on TriVib[®] 5L, the unique oil adjuvanted vibrio-lepto vaccine for longer lasting protection. We hope to see you there.

G. C. Hanford Mfg. Company

Box 1017, 304 Oneida St.
Syracuse, NY 13201

Along with the Allflex Cattle Identification System, we are presenting new products from our animal health line. They include "The Shoff", a shoe for the hoof which is a treatment for cattle. We're also presenting the "Shoof Ice Wrap" which provides fast, easy temperature reduction to cattle shins, knees, hocks and tendons.

Haver-Lockhart Laboratories

P. O. Box 390
Shawnee Mission, KS 66201

Haver will display their complete line of biologicals and pharmaceuticals for bovine practitioners. Again this year, featuring the innovative analogue, ESTRUMATER[®] (cloprostenol) now available for your clients' beef and dairy herds.

Hill's Pet Products, Inc.

P. O. Box 148
Topeka, KS 66601

Hill's exhibit will feature the new feline Prescription Diet S/D formulated for in-vivo dissolution of struvite stones and prevention of the formation of struvite stones and crystals in the cat. Technical information concerning all the Prescription Diet and Science Diet dietary pet foods will be provided by Hill's veterinary nutritionist in attendance.

Hoffmann-La Roche, Inc.

340 Kingsland St.
Nutley, NJ 07110

Roche will feature Albon[®] (sulfadimethoxine) for treatment of shipping fever complex, bacterial pneumonia, foot rot and calf diphtheria in cattle. Albon is available as Injection-40%, S.R. Sustained Release Bolus, Regular Boluses, 12.5% Drinking Water Solution and Soluble Powder. Alfavet[™] (alfaprostol) injectable prostaglandins cause regression of corpora lutea for estrus control in cycling, anestrous and early postpartum mares. Injacom[®] injectable vitamin products are recommended for prevention or correction of specific vitamin deficiencies in animals. These products include Injacom AD₃, 100 AD₃ and 100 AD₃ + B-complex. In addition, Bovatec[®] (lasalocid), an ionophorous feed additive, increases growth rate and improves feed efficiency in feedlot cattle. Albon, Alfavet

and Injacom products are supplied by Roche veterinary distributors and Bovatec is available directly from Roche.

Ideal Instruments

80 Wilson Way
Westwood, MA 02090

Featuring: Electrojac II[™], Thermo Probe[™] (for treatment of cancer in eye), Pistol Grip Syringes, pregnancy and ovulation detection equipment. For the latest in advanced technology—visit Ideal Instruments booth.

International Minerals & Chemical Corporation

Corp/RALGRO
P. O. Box 207

Terre Haute, IN 47808

The Veterinary Products Division of International Minerals & Chemical Corporation will feature RALGRO[®], brand of zeranol, an implant for beef cattle. RALGRO provides the livestock producer with a means of maintaining a competitive position in the animal production sector of agribusiness. Dr. William N. Chandler and other technical representatives will be present to discuss the product and its uses.

JETT Labs, Inc.

P. O. Box 482
Norwood, MA 02062

The introduction of an innovative method for the sampling, centrifugation, and shipping of blood and body fluids.

Jorgensen Labs

2198 W. 15th St.
Loveland, CO 80537

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 the left displaced abomasum.

Kane Enterprises, Inc.

P. O. Box 360
Sioux Falls, SD 57101

Exhibiting AG-TEK Veterinary Products including new Mandan O.B. Suit and AG-TEK Serum Bottles.

The Magrath Company

McCook, NE 69001

Unique Transfer Needle—choice of lettering. Temperature Probe—entirely new concept. Resuscitator/Aspirator—option capability of use with O₂ or without—hand operated—great practical idea—small and large animals. Automatic Syringe—especially rugged. Magrath Stock Shock—proven durability—high intensity. Fluid-feeders—safe, easy way to feed calves—stainless steel and plastic probes.

Midwest Veterinary Supply, Inc.

121012 12th Ave. South, P. O. Box 946
Burnsville, MN 55337

Midwest Veterinary Supply, Inc., has been serving the veterinary profession for over 20 years with a complete line of major manufacturers' pharmaceuticals, biologicals and equipment. We are conveniently located in three major midwest cities: Minneapolis, Minnesota; Des Moines, Iowa; Madison, Wisconsin.

Molecular Genetics, Inc.

10320 Bren Road East
Minnetonka, MN 55343

Genecol[™] 99 monoclonal antibody for fatal *E. coli* scours will be featured at the Molecular Genetics booth. MGI sales representatives look forward to answering your questions.

MSD AGVET Division

of Merck & Co., Inc.
P. O. Box 2000

Rahway, NJ 07065

Professional Veterinary Products, MSD AGVET — Division of Merck & Co., Inc. — invites all veterinarians to visit our exhibit and discuss our complete line of worming products, including Thibenzole[®] and Ivomec[®]. Our trained and experienced personnel will be available to discuss other areas of mutual interest, including bovine coccidiosis and antibacterials.

Nasco

901 Janesville Avenue
Fort Atkinson, WI 53538

Nasco supplies farm and ranch items to customers throughout the U.S. and over 70 foreign countries from 3 locations—Fort Atkinson, WI, Modesto, CA; and Guelph, Ontario, Canada. Items such as cattle ear tags, showing and grooming equipment, animal marking equipment, artificial insemination supplies, veterinarian equipment, and many other items. A sampling of Nasco's line will be available for your inspection. Also available at our booth will be our Farm and Ranch catalog featuring our entire line of products.

Nelson Laboratories, Inc.
1000 Benson Road, Box 984
Sioux Falls, South Dakota 57101

We will be displaying samples from one of the most complete supply houses in the United States. Included will be samples from over 100 companies representing: 1. Pharmaceuticals, 2. Biologicals, 3. Instruments, 4. Coveralls and Jackets, 5. Rubber Footwear, 6. Chemicals. Serving the veterinarian for over 50 years.

Norden Laboratories
601 West Cornhusker Hwy.
Lincoln, NE 68521

Norden's complete line of cattle products will be on display. Representatives will be available for discussion throughout the meeting. Several new products will be featured at this year's conference such as BRSV. Come by and talk about what's new.

Osborn
International Multifoods
Multifood Tower
Box 2942
Minneapolis, MN 55402

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.

Pfizer, Inc.
235 E. 42nd St.
New York, NY 10017

We look forward to seeing you at the 1984 American Association of Bovine Practitioners Convention. Representatives will be on hand to answer questions on Liqueamycin[®] LA-200[™] and Nematel[®] cattle dewormer. Good luck for a successful convention and we hope to see you at the Pfizer booth.

Pioneer Hi-Bred Int'l., Inc.
P. O. Box 258
Johnston, IA 50131

Pioneer's Probiocin brand microbial cultures are manufactured viable microbial cultures for specific uses in ruminants. Select strains of beneficial micro-organisms are prepared in a unique dehydrated form and are available in bolus, gel, and granular/dispersable forms.

Pitman-Moore, Inc.
P. O. Box 344
Washington Crossing, NJ 08560

We cordially invite you to visit our exhibit at the 17th Annual Meeting of the AABP. On display will be our quality line of large animal products, as well as selected pharmaceuticals, surgicals and diagnostics. Company representatives will be available for discussion throughout the meeting.

Porta-Vet Industries, Inc.
110 Wood St., P. O. Box 598
Hudson, IA 50643

Today's veterinary technology built into the newly designed Pony Elite. A new unit designed for the Chev S10, Ford Ranger, and will fit most imported 7' bed pickups. We invite comparison in quality and price, and would like to have your opinion on improving future models. Stop by and see why we're so proud.

Priefert Mfg. Co.
P. O. Box 1540
Mt. Pleasant, TX 75455

Priefert all steel, one man squeeze chute, featuring the Priefert double action head gate, with optional manual automatic operation and instant portability with patented Priefert wishbone carriage.

Also introducing the Priefert galvanized horse and cattle corral panels.

Pro Ag, Inc.
2072 East Central Circle
Minneapolis, MN 55391

We sell Impro, Pacesetter livestock mineral Pro Ag Lactobacillus, BioTill and ManuRx.

Professional's Software, Inc.
P. O. Box 117
Sullivan, IL 61951

At the convention, PSI will be exhibiting the Veterinary Practice Manager in actual operation on the IBM Personal Computer. There will be demonstrations on accounts receivable, billing preparation of invoices and statements, reminder notices, inventory programs, income analysis, doctor productivity, cash control, and treatment history.

Pro Vet
P. O. Box 2286
Loves Park, IL 61130

A full line distributor with over 8000 products available will feature their new equipment, drugs and supplies. Stop for your "free" catalog.

A. H. Robins Co.
1407 Cummings Drive
Richmond, VA 23220

Robins' exhibit will feature their new pasteurized hemolytica live cattle vaccine. Marketing and research personnel will be present and look forward to visiting with you.

W. B. Saunders Company
West Washington Square
Philadelphia, PA 19105

W. B. Saunders will have on display all of our newly published titles in veterinary medicine including the recent published Jennings: *The Practice of Large Animal Surgery*. Prepublication material will be available on Howard: *Current Veterinary Therapy: Food Animal Practice* and *Radostits and Blood: Herd Health Management*.

Schering Corporation
Gallop Hill Road
Kenilworth, NJ 07033

Schering Veterinary invites all attendees at the convention to visit our booth. Our representatives will be on hand to discuss Schering's outstanding high quality pharmaceuticals, biologicals and innovative products.

Shank's Machine Co., Inc.
1704 East 18th St.
Sterling, IL 61081

We will have an audio visual display with literature on large animal tables in booth 10, as well as a cattle table on display in the basement. Any show personnel will be able to show and demonstrate.

Summit Hill Laboratories
SUMMIT HILL will be exhibiting their complete line of products including REGRESSION, AVALON Copolymer Flakes & Gel, Sterile, a wound line, F.O.N. Spray (Feline Odor Neutralizer), P.O.N. Spray (Puppy Odor Neutralizer), CHEW-GUARD Spray, GUGOL staining kits, OLANEEN Spray and OLANEEN Oil Bath. There will be demonstrations of the VETROSON line of equipment: VETROSON Small & Large Animal Anesthesia Machines, VETROSON Ultrasonic Scalars, VETROSON/MACAN Electrosurgical Unit, VETROSON/CORTEST Monitoring System and the new MICRONAIRE Electrostatic Air Cleaners.

TechAmerica Group, Inc.
P. O. Box 338
Elwood, KS 66024

TechAmerica, the Company that offers a buying advantage, will be exhibiting their family of Premier[™] combination cattle vaccines. The Premier family combines two killed viruses, IBR and BVD, with various bacterin combinations that fit into any herd health and preconditioning program. All Premier combination vaccines are on special this fall, and qualify for a 10 percent rebate, to practices on the TechAmerica Advantage Program.

3M/Animal Care Products

225-3-05, 3M Center
St. Paul, MN 55144

Teat Shield with Germicide, Teat Shield, Leaker Seal First Aid Teat Tape, VETRABAND Bandaging Tape and other products designed for dairy use.

The Upjohn Company

7000 Portage Road
Kalamazoo, MI 49001

Welcome to the 1984 AABP Convention and welcome to The Upjohn Company veterinary products exhibit. Our representatives are on hand to discuss Upjohn Veterinary Products, the Standard of Quality, and the role of Lutalyse[®] in programmed breeding. Detailed information on this product will be available at our booth. We look forward to seeing you.

Veterinary Concepts, Inc.

100 McKay Ave., P. O. Box 39
Spring Valley, WI 54767

Veterinary Concepts, Inc., will be displaying many new specialty products for the bovine practitioner. Demonstrations will be presented hourly on cost saving techniques in preparation and use of VCI products for a clinical situation.

Veterinary Practice Publishing Company

P. O. Box 4457

Santa Barbara, CA 93103

Announcing publication of *Bovine Hematology: Anemias/Leukocytes* by Dr. O.W. Schalm, and *A Guide to Age Determination in Cattle*. Issues of *Agri-Practice*, *Equine Practice*, *Canine Practice*, *Feline Practice* and *Avian/Exotic Practice* will be on display. Our staff will be on hand to tell you about our other services.

Veterinary Products Bristol Laboratories

P. O. Box 657
Syracuse, NY 13201

The Bristol Mastitis Control Program covers the spectrum of mastitis therapy. Cefa-Lak[®] and Cefa-Dri[®] employ a new class of broad spectrum antibiotics—the cephalosporins. Dry-Clox[®] and Hetacin[®]-K are economical alternatives for dry and lactating cows. And from Polyflex[®], fast-acting injectable ampicillin therapy. Stop by booth numbers 20 and 21 for details.

Vetrepharm, Inc.

69 Bessemer Road, Unit No. 27
London, Ontario, N6E 2V6, Canada

Vetrepharm, Inc., will be displaying its Canadian product range including Genecol 99, K-99 Monoclonal Antibody as well as its biological and pharmaceutical products. Vetrepharm sells across Canada to veterinarians only.

Wellcome Animal Health, Inc.

520 West 21st Street
Kansas City, MO 64108

Wellcome Animal Health, Inc., will feature both new and existing products of interest to the practitioners attending the convention. Wellcome will show their wide range of high quality biologicals, pharmaceuticals and instruments. Our representatives welcome the opportunity to meet old friends and make new ones.

Westfalia Systemat

1862 Brummel Drive
Elk Grove, IL 60011

The Codatron-Westfalia's Computerized Feeding and Breeding Management System. Reduces feed consumption while increasing milk yield. Breeding management program can reduce the calving interval while making your breeding program more efficient. The ACR-Westfalia's Automatic Milking Machine Remover is a labor saving device which increases herd health and milk quality.

PRE CONVENTION TOURS

Tour I

National Animal Disease Center

Tuesday, November 27, 8:00 a.m. - 1:30 p.m.

Buses will leave Marriott Hotel and travel to Ames, Iowa, approximately 35 miles North of Des Moines. This tour will include visits to the National Animal Disease Center, National Veterinary Services Laboratory, and the College of Veterinary Medicine, Iowa State University. Spouses invited. Tickets: \$15.00, including lunch. Minimum of 25 persons required. Requests should be received by November 1.

Tour II

Iowa/Midwestern Beef Cattle

Tuesday, November 27, 8:00 a.m. - 1:30 p.m.

A quick view of the beef cattle business in West Central Iowa, visiting sites within approximately 60 miles of Des Moines. The tour includes stops at a small feedlot, cow-calf ranch, and a pure-bred operation. Narrators on buses. Minimum of 25 participants needed. Cost: \$15.00, including lunch. Requests should be received by November 1.



SOCIAL EVENTS

Wednesday, November 28

A Blind Date in Des Moines

There is no need to spend a frustrating evening finding your way around this major mid-western city! We will match you or you and your spouse with a host Iowa veterinarian who can take the guess work out of dining in Des Moines.

Thursday, November 29

"Iowa Food Festival"

Noted the world over as the food basket of the world, you will be hosted through an unforgettable Iowa evening of eating, drinking and entertainment.

The absolute highlight of the convention, an unforgettable evening of eating, drinking and entertainment in a let-your-hair-down, foot-stomping, fun-filled atmosphere that will be an experience of a lifetime. Bused from the convention to the famous Iowa State Fairgrounds, you will receive a straw hat and enter a huge hall decorated in fall harvest style and amidst the aroma of beef rounds and other Iowa meats cooking over charcoal spits, you will want to quench your thirst at one of four bars where junior and senior female veterinary students dressed in Daisy Mae costumes will serve Iowa's own beer, wines and soft drinks.

As you wander among the exhibits featuring Iowa food and food related products, you will munch on Iowa popcorn from barrels, partake of a myriad of hors d'oeuvres, cheeses, sausages, meatloaves and pickled foods, all indigenous to Iowa. Shortly thereafter, 12 prize winning country western bands will begin a contest for the State Championship and will play as you move through the food lines to fill your plate with delicious broasted and broiled meats, biscuits and honey, sweetcorn on the cob, cole slaw and barbecue baked beans washed down with the wholesome Iowa milk and water followed by Iowa apple cobbler covered with whipped creamy ice cream, topped

off with hot coffee cooked over the coals. All you can eat. A night filled with food and fun you will not soon forget. Don't miss this one!

6:00 p.m. — Busses leave the Marriott Hotel
7:00 p.m. — Fun begins
7:00 p.m. to 9:00 p.m. — Food served
Busses available to return you to the Marriott Hotel on the hour all evening.
Music, dancing and liquid refreshments all evening long.

Tickets: \$26.00 (Includes food, drink, entertainment and transportation)



SPOUSE ACTIVITIES

Dear AABP Spouses and Friends:

We would like to take this opportunity to "welcome" you to Iowa and to the annual AABP meeting in Des Moines.

Those of us involved with planning the 1984 AABP are truly happy and excited to be hosting you in Iowa. By the time you read this, we will have been working on the 1984 AABP events for well over a year.

The Spouse Activity Committee has given much time and thought to planning activities that will give you pleasure. We are so excited by the things that are planned that we can hardly wait for it to be time for you to come to Iowa.

Many members of the planning committee were born and raised in Iowa and are truly Iowa promoters. Hopefully, by the time AABP in Des Moines ends, each of you will be, too!

Now this could go on and on about Iowa and Des Moines and all of our plans. Instead, will trust that after reading our tour and activity plans, you'll say to your Bovine Practitioner, "Hey, I'm going to AABP with you this year. Sounds like they're going to have a "blast" and I don't want to miss the fun." Well, we don't want you to miss the fun either, and will be in Des Moines to meet you "ringing a bell and blowing a horn" (at least figuratively)!

See you in Iowa in November!

Treva M. Shirbroun
Doris McElroy
Jan Yoder

Lenora Speer
Georgia Runyon
Wallace Wass

Sunday, November 25

Hospitality Area — Noon to 5 p.m.

Monday, November 26

Hospitality Area — 8 a.m. to 5 p.m.

Transportation will be available for shopping at several malls — 10 a.m. to 2:30 p.m.

Tuesday, November 27

Hospitality Area — 8 a.m. to 5 p.m.

"Beef-By-Products" — 7 p.m. to 9 p.m.

A talk on "Beef-By-Products" will be given by Nancy Degner, Home Economist for the Iowa Beef Industry Council. *Salons B C - Marriott*

Wine and Cheese Party — Following Nancy's presentation, we'll have an opportunity to meet new and old friends while we enjoy a wine and cheese party.
Atrium - 3rd Floor - Marriott

Wednesday, November 28

Hospitality Area — 8 a.m. to 5 p.m.

TOUR III — 9:30 a.m. to 3:30 p.m. — Terrace Hill and Botanical Center Fee \$19.00 — Minimum for tour: 100; Maximum for tour: 200. We have an exciting day planned, with our guides we will be touring some outstanding sights in Des Moines. One of our stops will be TERRACE HILL, the Victorian jewel that is now the home of Iowa's Governor. This treasure is furnished in the beauty of that bygone era. The Christmas tree with its antique trims and toys just accentuates the Victorian charm.

Another special excursion will be to the "Olde Towns" area of our city, Valley Junction. This charming shopping site is filled with antique and boutique shops — with something for everyone, you can either browse or buy.

Our gourmet luncheon is scheduled for the BOTANICAL CENTER, where we can take time to enjoy the magnificent greenery and floral display during our lunch stop. Our lunch will be catered by students from the Area College. They are preparing for careers in the Culinary Arts and Restaurant Management. Maps and some special gift cards will be supplied for our shopping pleasure.

CPR Training — 2 p.m. to 4 p.m.

Blood Pressure Clinic — 2 p.m. to 4 p.m.

Thursday, November 29

Hospitality Area — 8:00 a.m. to 5:00 p.m.

TOUR IV — 7:30 a.m. to 5:00 p.m. — Amana Colonies Fee \$30.00 — Minimum for tour: 40; Maximum for tour: 200. In a peaceful setting, from another age, you will have a nostalgic glance backward and a fresh look to the future, for the Amanas today blend time-honored craftsmanship with our twentieth century efficiency. We will depart from your hotel, with our guides on board pointing out the scenic and historic sites of Des Moines on the way. Arriving in the Amana colonies, we will tour the woolen mills, famous furniture factory, winery, meat shop and smoke-house, just to name some of the unique points we will see in the Amanas. Guides will be with us at all times to explain the time-honored traditions of the Amanas.

Our noon meal will be served to us in the true Amana family-style, at an outstanding Amana dining spot. We will have Swiss steak, ham and fried chicken with all the trimmings— passed on large platters so we can eat our fill, ending with their famous homemade pie! We will also have some time for personal shopping while in the Colonies.

TOUR V — 1 p.m. to 4 p.m. — Art Center and Santa's Attic Fee \$7.00 — Minimum for tour: 40; Maximum for tour: 100. We have a tour planned for the Des Moines Center, with one of the outstanding collections of the midwest, plus the new Museum Shop, which is now open.

Following our tour of the Art Center, we will continue westward to a very special spot called "Santa's Attic" to get you in the mood for Christmas. There you will see a large collection of Hummels, LaLique, Beleek, Boehme, brass, candles, and countless other things to browse through or buy. We will sightsee through some lovely areas of Des Moines on the way.

Bridge Instruction— 1 p.m. to 4 p.m.

For those of you wishing to learn to play bridge, we will have an instructor available. Beginner's level only.

Blood Pressure Clinic — 2 p.m. to 4 p.m.

Friday, November 30

Hospitality Area — 8 a.m. to 5 p.m.

Transportation will be available for shopping at several malls — 10 a.m. to 2:30 p.m.

Saturday, December 1

Hospitality Area — 8 a.m. to noon

AABP Officers



President

Dr. Jenks S. Britt
Russellville, Kentucky

Dr. Britt was born in Glasgow, Kentucky. He received the B.S. degree from Western Kentucky University and the D.V.M. degree from Auburn University in 1970.

He is a partner in a 4-man practice at Logan County Animal Clinic, Russellville, and also a partner in J & W Dairy Farm, Franklin, Kentucky. Dr. Britt has been an AABP District IV Director for many years and also a Board Member of the National Mastitis Council. He has given papers or seminars in over 20 state and national meetings in 9 states.

His primary practice interests are dairy herd health, nutrition, embryo transfer, mastitis control and theriogenology. He is President of AABP, AAEP, AVMA, Ky VMA, South Central Ky VMA, National Mastitis Council and Society of Theriogenology.

Dr. Britt was the Program Chairman for the 1983 Convention in Oklahoma City.

Dr. Britt and his wife, Kathy Filer, have three sons: David, Andy, and Matt. His hobbies are flying and Thoroughbred and Appaloosa horses.

A Message From the President

The AABP continues to grow and has become a major voice in animal health in North America. When government officials need advice on regulatory, drug or animal issues, AABP advice is first sought. The strength of our membership has been maintained by the many AABP members that actively support our organization and give of their time for AABP functions.

AABP activity on state, district, and regional meetings is the grass roots structure of our organization. Your executive officers, district directors and

committee chairmen are eager to assist with your needs. The AABP student chapters at the veterinary schools continue to provide young members with continuing education and group activities.

I hope that each of you will be anticipating your trip to Des Moines with enthusiasm. The educational opportunities, social activities and tours should be exceptional.

Jenks S. Britt, D.V.M.
President, AABP



President-Elect

Dr. Herbert C. Lloyd
Arcadia, Florida

Dr. Lloyd, Arcadia, Florida, received the BSA in animal husbandry from the University of Florida in 1956 and the DVM degree from Auburn University in 1964; general practice in New Port Richey, Florida, 1964-65; resident veterinarian, Big B Ranch, Belle Glade, Florida 1965-70; general and consultive practice at Belle Glade and Clewiston, Florida, 1971-79. For the next two years he was Director, Technical Services, Syntex Agribusiness, Diamond Laboratories, Des Moines, Iowa. In 1981 he established the Peace River Hospital for Animals, a mixed practice, over 50% bovine, in Arcadia, Florida.

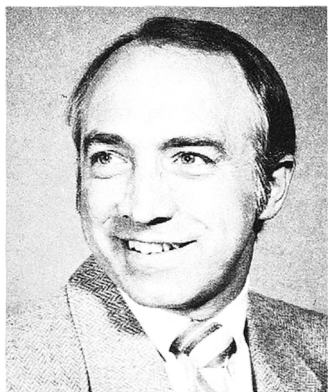
(Continued on p. xviii)

Dr. Lloyd enlisted in the U.S. Air Force in 1950 and served in Korea as a Division Five Officer, Second Infantry.

A Charter Member, Academy of Veterinary Consultants, he is a member of the Society for Theriogenology, Board of Directors, Florida VMA, Past President Palm Beach Veterinary Society, member

AASP, AAEP, Iowa VMA and AVMA and Past President, Rotary International. He has authored numerous scientific articles. Dr. Lloyd is the program chairman for this year's Convention.

Dr. Lloyd and his wife, Jean, have two sons and two daughters.



Vice President

Dr. Neil G. Anderson
Cheltenham, Ontario,
Canada

Dr. Neil Anderson (Ont., 1967), Cheltenham, Ontario is the new Vice President.

Dr. Anderson was born in Hamilton, Ontario, in 1944 and received the D.V.M. degree from Ontario

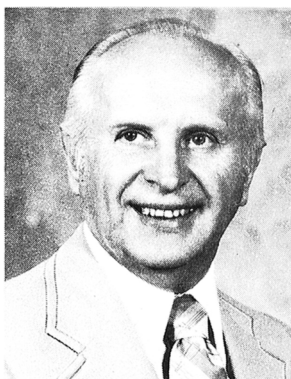
Veterinary College in 1967. He was engaged in large animal practice in Brampton, Ontario, for seven years and then moved to Cheltenham, Ontario, where he and two associates had a predominantly dairy practice, also engaging in embryo transplants.

He is a member of the Canadian VMA and the Ontario Veterinary Association. He has served as program chairman of the OVA and on the large animal practice committee. Dr. Anderson is a 4-H club leader and is the founder of their veterinary club. He has represented District 12 on the AABP Board of Directors since 1978. In June, 1983 he became Cattle Diseases Consultant to the Ontario Ministry of Agriculture and Food in Guelph. Dr. Anderson is a member of the Board of Directors, Brampton Flying Club, and Chairman, Caledon Air Cadets Squadron.

Executive Secretary-Treasurer

Harold E. Amstutz,
D.V.M.

W. Lafayette, Indiana
President, World Association for Buiatrics and Alternate Delegate to the AVMA.

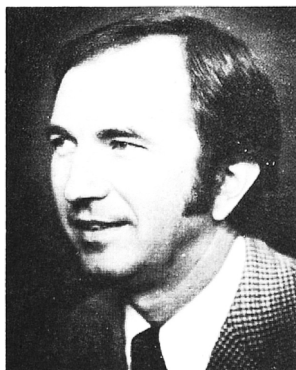


AABP Advertising Manager

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



AVMA Delegate



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

NEW DIRECTOR



Dr. Leslie
Guelph, Ontario, Canada

Dr. Ken Leslie, Guelph, Ontario is the new Director for District XII (Eastern Canada).

Born in Brampton, Ontario and raised on a dairy farm, he received the D.V.M. degree from the Uni-

versity of Guelph in 1974. He spent three years in bovine practice with Dr. G. D. Stirk and Associates, a five man bovine practice in Brampton. In 1977, he returned to the Ontario Veterinary College with the ambulatory clinic specializing in bovine reproduction and preventive medicine programs. In 1981, he received his M.Sc. studying hormonal therapy in the early postpartum period of dairy cattle.

Dr. Leslie is currently an Associate Professor responsible for teaching health maintenance subjects relating to dairy practice. He is a member of the Ontario Veterinary Association, Canadian Veterinary Medical Association, American Veterinary Medical Association, Society of Theriogenology, American Association of Beef Producers, International Embryo Transfer Society, and the National Mastitis Council. He is a Past President of the Ontario Association of Bovine Practitioners, has published numerous papers in scientific journals and has been active in bovine continuing education in Ontario.

Dr. Leslie's wife, Barbara, is also a veterinarian engaged in small animal practice in Mississauga, Ontario. They have two children: Christine, 2, and Kathleen, 6 months. Barbara and Ken enjoy antique collecting, gardening and breeding Holstein cattle.

IN THE NEWS

Dr. Robert Keith



Dr. Robert Keith, Monroe, Wisconsin, was named Outstanding Veterinarian of the Year for 1983 by the Wisconsin Veterinary Medical Association at the annual meeting last spring. Dr. Keith is a Past President of the AABP.

AABP Members Elected to AVMA Councils

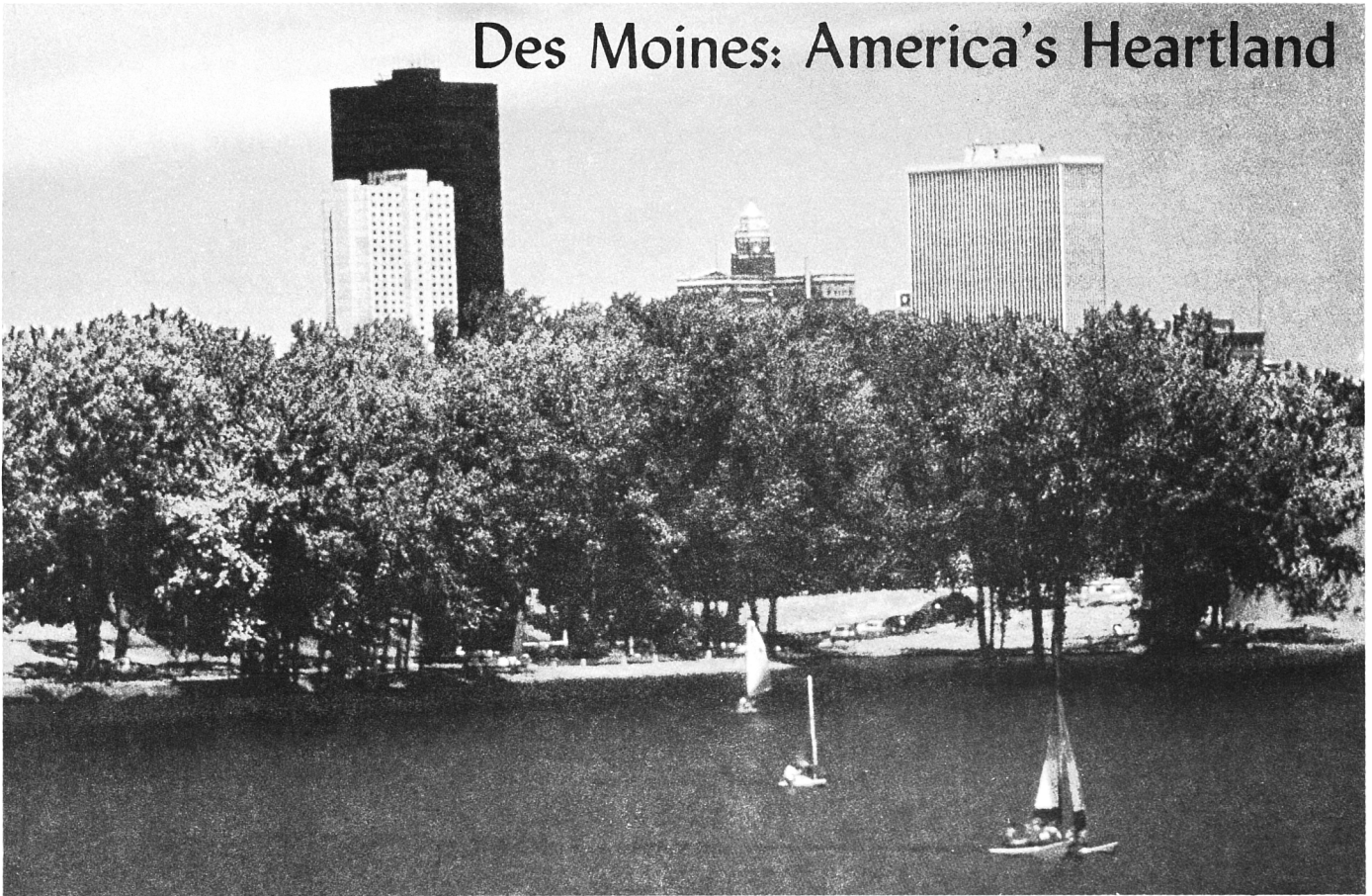
At the AVMA Annual Convention in New Orleans in July, several AABP members were elected by the House of Delegates to serve on AVMA Councils:

Dr. Jack W. Morse, Turlock, California to the Council on Biologic and Therapeutic Agents.

Dr. Clinton N. Jewett, Cabot, Arkansas, representing member-at-large, Council on Public Health and Regulatory Veterinary Medicine.

Dr. R. D. Cooper, Aberdeen, South Dakota and **Dr. Michael Moore**, Superior, Nebraska, representing 50% or more large animal practices and **Dr. Eric I. Williams**, Stillwater, Oklahoma, member-at-large, on the newly established AVMA Council on Public Relations.

Des Moines: America's Heartland



In December, 1834, a location at the fork of the Raccoon and Des Moines Rivers was recommended as a military post to protect the Indians. The Des Moines River was surveyed in July, 1841 and a military garrison was established May, 1843; at the present site of Des Moines. Originally, Fort Raccoon was proposed for the garrison's name, but General Winfield Scott directed that the name be Fort Des Moines.

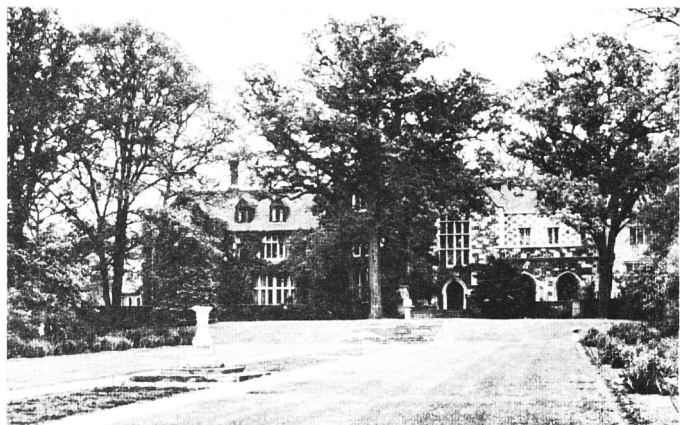
The Indians called the river Moingonia (river of the mounds). French voyagers who followed Marquette and Joliet into the midwest called it La Riviers des Moines, a corruption of the Indian name. The term Des Moyen, translated as middle, was understood to refer to the principal river between the Mississippi and Missouri rivers.

With a population of 350,000, Des Moines is small enough to treat visitors personally and large enough to provide interesting diversity. It lies in America's heartland easily reached by east-west I-80 and north-south I-35 or by several major airlines.

Downtown Des Moines is alive with change and growth. More than \$300 million in new buildings stand shoulder to shoulder with the best of the past. One of the most exciting additions is the new skywalk

system with 33 square blocks of downtown business, convention and entertainment connected by climate-controlled comfort.

A short walk from anywhere downtown is Nollen Plaza, an open-air cultural and recreation area featuring the Claes Oldenburg sculpture, "Crusoe Umbrella", the symbol of the city's new spirit.



SALISBURY HOUSE
a touch of Tudor England

Living History Farms



Sitting atop rolling hills on the outskirts of Des Moines is Living History Farms, a 600-acre open-air museum dedicated to preserving Iowa's agricultural heritage. Visitors experience the rural life of Iowa's past through a 1700 Ioway Indian village, an 1840's pioneer farm, a 1900 horse-powered farm and the 1870 Victorian Community of Walnut Hill. The Henry A. Wallace Crop Center explores current and future methods of conservation and agriculture through changing exhibits & models.

IOWA AGRICULTURE

Agriculture is the basic industry in Iowa. Approximately 40 percent of all Iowa workers depend directly on agriculture for their jobs and about two out of three Iowa workers depend, directly or indirectly, upon agriculture for their jobs.

Today's concept of agriculture includes production, processing, manufacturing, servicing, utilization and consumption of agricultural products. It is the agricultural complex which is the foundation of Iowa's expanding economy. Most all new or expanding industry in Iowa is directly or indirectly related to agriculture.

Iowa farmers sell about \$9.98 billion worth of crops and livestock annually—\$5.96 billion in livestock and \$4.02 billion in crops.

Iowa leads the nation in hog marketings, is first in all livestock marketings and is fourth in marketings of cattle and calves. About 26 percent of the nation's pork supply and 11 percent of the grain-fed cattle are marketed from Iowa farms.

The value of crop production in 1982 was \$5.1 billion. Iowa ranks first in corn production, producing about 18 percent of the nation's corn supply. And



TERRACE HILL
Governor's Mansion



Photos & Information by: Greater Des Moines Convention & Visitors Bureau

Iowa ranks first in soybean production, producing about 17 percent of the nation's soybeans.

Collectively, Iowa farmers have \$68.9 billion invested in their business. This includes over \$50.3 billion in land, \$10.3 billion in crops and livestock and about \$5.7 billion in farm equipment.

The average per farm investment in land and buildings in Iowa is \$430,410—compared with the national average of \$321,600.

Iowa farmers spend more than \$10 billion each year for production expenses. This includes:

- \$1,380 million for feed
- \$720 million for fertilizer
- \$1,044 million for repairs, maintenance and operation of machinery, vehicles and buildings
- \$833 million for interest on farm mortgages
- \$361 million for property taxes
- \$326 million for hired labor
- \$334 million for seeds

Iowa farmers produce \$3.03 billion worth of products for farm export. This is equal to 30 percent of the state's cash receipts from farm marketing. Iowa's farm exports are the second largest in the nation.

Iowa Department of Agriculture

XIII World Congress on Cattle Diseases

Durban, South Africa

September 17-21, 1984

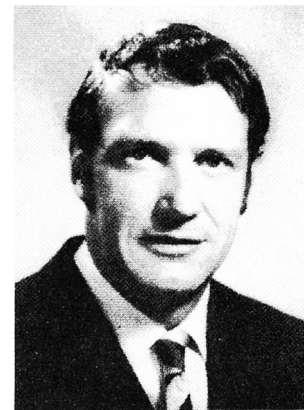
The XIII World Congress on Cattle Diseases was held in Durban, South Africa on September 17-21, 1984. Over 1000 veterinarians, spouses, exhibitors and guests attended from 23 countries. The congress was sponsored by the World Association for Buiatrics in collaboration with the South Africa Veterinary Association and the South African Rural Practitioners Group.

Professor R. I. Coubrough was chairman of the Scientific program and Dr. Issie Bacher was chairman of the organizing committee. A South African Small Animal Satellite Symposium was also held.

The opening ceremony was held on Monday morning, September 17, with Prof. Coubrough, Master of Ceremonies.



DR. ISSY BACHER B.V.Sc.



PROF. R.I. COUBROUGH