

AABP Officers

President



Deborah A. Stark,
DVM
Guelph,
Ontario, Canada

Dr. Deborah A. Stark, is the AABP President.

Dr. Stark was raised on a dairy farm in Ontario and graduated from the Ontario Veterinary College in 1982.

She spent five years in mixed practice and developed a special interest in dairy preventive medicine.

In 1987, Dr. Stark joined the Ontario government as a Cattle Health Consultant providing extension programs and support for private practitioners. Eventually she became a manager and more involved in animal welfare issues. She also obtained a Master's Degree in

Business Administration from Wilfrid Laurier University in 1990.

Since 1992, Dr. Stark has been the Director of the Veterinary Laboratory Services branch. Along with overseeing the management of 4 diagnostic laboratories and 90 staff, she is considered the "provincial veterinarian" and provides input in provincial and federal policies involving animal health issues.

Dr. Stark has been a member of the AABP since graduation and District 12 Director since 1990. She has also served as chair of the Animal Welfare Committee and was the Program chair for the 1996 AABP conference.

In January 1996, Dr. Stark also assumed responsibility for the provincial Agri-food laboratories and currently oversees the management of 200 staff in 5 laboratories located across Ontario.

Dr. Stark is a member of the Canadian Veterinary Medical Association and the Ontario Association of Bovine Practitioners. She serves on the Board of Directors for Saskatchewan's Veterinary Infectious Disease Organization (VIDO) and is a past-Director of the Ontario Farm Animal Council. She is also on the Advisory Board for the University of Guelph's Center for the Study of Animal Welfare and the Ontario Veterinary College's Veterinary Teaching Hospital.

When not busy with work or AABP business, Dr. Stark enjoys visiting her family's farm and playing with her niece and nephews.

Dr. Stark is the AABP's first lady President.

President's Message

"Know what you want, not just what you don't want."
All the theories about achieving your goals are based on that concept.

Yet most times, we express our goals more easily in the negative. . . . *"I don't want to work such long hours or "I don't want to pay fees to an organization that is not doing anything for me."*

At the AABP, often we fall into the same trap. We do not want to waste membership money. We don't want to ruin a successful meeting by making big changes to our conference format (but we don't want to become stale either.) We don't want to alienate members by "preaching" on issues like animal welfare and responsible drug use, nor do we want to shortchange members by not showing leadership in issues that can have a significant impact on bovine practice and the livestock industries we serve.

This is a good list of want not to do. But what does the AABP want to ACCOMPLISH? And how does the AABP Board of Directors get it done?

What we want to accomplish is outlined in our Mission Statement: "to enhance the professional lives of its members through relevant continuing education that will improve the well being of cattle and the economic success of their owners, to increase awareness and promote leadership for issues critical to cattle industries and to improve opportunities for careers in bovine medicine."

How we accomplish that mission depends on you - your ideas and your involvement.

So, we listen. We try to get feedback whenever possible through meeting evaluations, membership surveys, the 1-800 phone number and, most recently, the AABP homepage (<http://www.aabp.org>). Needless to say, every suggestion is not

implemented. But we do take your suggestions very seriously.

We also listen to the Forward Planning Committee. This committee is comprised of all AABP Past-Presidents and is a valuable source of both history and new ideas.

And finally, we have SLURP. The Strategic Long-Range Planning Committee (SLURP) was established in 1994 to set some long-term goals for the organization. Membership includes a broad range of AABP members to try and reflect the many interests in our organization. One of the strengths of the AABP is its diversity. It is also one of the challenges when it comes to deciding what would be in the best interest of the majority of our members. SLURP is the forum to take all the individual ideas and create organizational recommendations.

The SLURP committee actually developed the mission statement. Last year, it made several positive recommendations to the Board regarding our primary mandate - to provide high quality continuing education opportunities. This year, SLURP has given the Board ideas on enhancing our membership services - another key part of the AABP's mission.

The Board has implemented or is implementing many of the recommendations made in 1995. It was suggested that *The Bovine Practitioner* be produced more often because the size of the journal was overwhelming. This has been done. The committee also reinforced the idea that at least some of the articles should be peer-reviewed. We have decided to use the AABP Issues and Interests committees as a key source of peer review and are busy establishing guidelines.

Another concern flagged by the SLURP was the delay in distribution of the Proceedings of the Annual Meeting. This too has been addressed. . . . if you attended our meeting in San Diego, you took the proceedings home with you.

Needless to say, the job of implementing both of these recommendations fell mainly on the shoulders of our editor, Dr. Eric Williams and our past-President, Dr. Gatz Riddell. They did a great job.

The SLURP committee identified the monthly newsletter as the most valuable CE program provided by the AABP. This substantiated information received a few years earlier when the Nutrition and Mastitis committees did a membership survey. The Board constantly challenges our Executive

VP, Dr. Jim Jarrett, to keep the newsletter new and fresh without losing those qualities members obviously value. In 1996 we added a survey about our newsletter to the membership renewal form. We received some good ideas and a lot of advice not to touch anything!

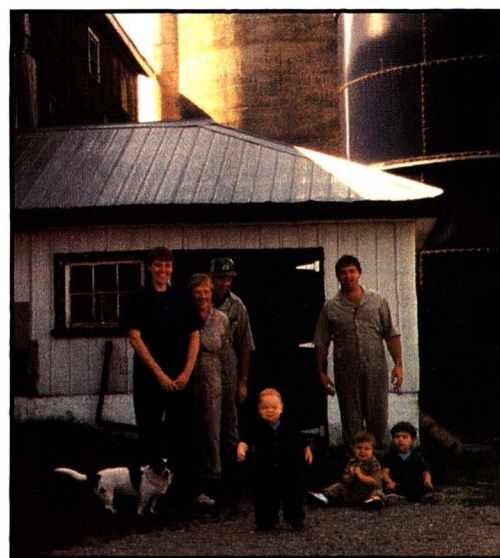
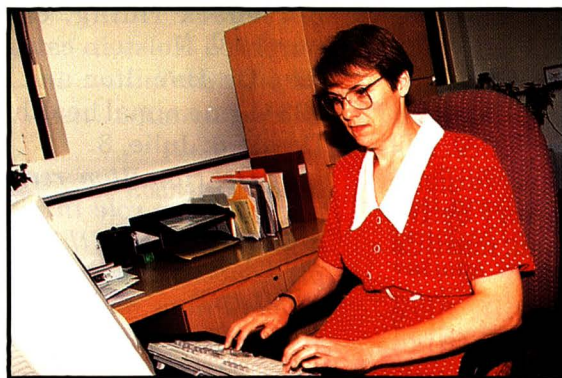
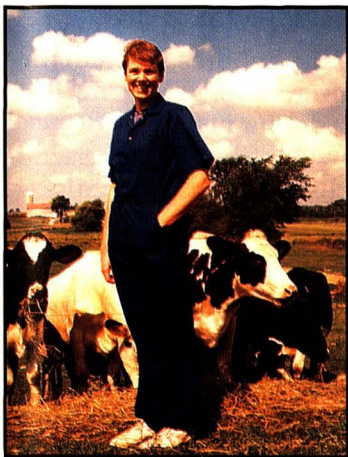
Perhaps the biggest challenges the SLURP committee handed us in the 1995 recommendations were to consider "progressive seminars" in which participants could take a defined package of seminars over a few years, and to become involved in regional CE programs. Neither of these ideas have been seriously addressed, but they have not been forgotten.

So what challenges did SLURP suggest to the Board this year? There were several specific recommendations.

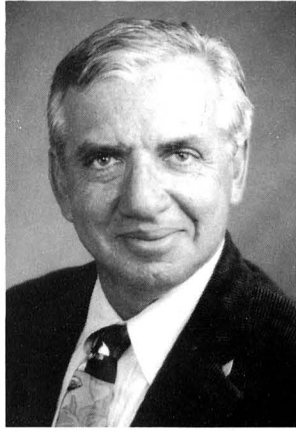
- Provide CE opportunities that aid practitioners wanting to make the change to production medicine and improve skills of those already in the area.
- Accept a national role in promoting realistic animal welfare positions and encourage individual members to be proactive in dealing with animal welfare issues at the local level.
- Encourage proactive involvement of the membership to promote concepts of food safety and quality assurance and discourage actions which compromise food safety and quality.
- Establish ourselves as a valuable resource to other professional, commodity and regulatory groups for lobbying efforts. We are a credible source of animal health and scientific information. We can "lever" that information by providing it to others with more direct ability to influence change.
- Continue to be fiscally conservative and consider significant monetary outlays very seriously.

Defining your goals is a big step towards achieving them. Thanks to your input, we've got some big ones to consider. Luckily we also have a strong organization full of volunteers willing to make our goals happen.

Deborah A. Stark, DVM
President



AABP Vice President



Dr. Walter M. Guterbock, Visalia, California is the new AABP Vice President.

Dr. Guterbock was born in Ankara, Turkey and grew up in Chicago, Illinois. He served in the Peace Corps (West Africa), 1966-1972.

Dr. Guterbock received a B.A. (English) degree from Yale University in 1966, the D.V.M. degree in 1978 and the M.S. (Parasitology) 1979 from the University of Illinois.

In 1979, Dr. Guterbock entered practice in Chino Valley of Southern California. He became a clinician at the University of California Veterinary Medicine Teaching and Research Center at Tulare, California in 1990 and in 1995 he assumed his present position of Manager, River Ranch and Dover Dairies, Hanford, California.

Dr. Guterbock is a member of AABP, AVMA, Cali-

fornia VMA, Tulare - Kings Co. VMA, Academy of Dairy Veterinary Consultants (Past President). He attends Visalia Friends Meeting, PTA, and serves as Chief Referee for the Visalia American Youth Soccer Organization, and serves on School Site Councils.

Dr. Guterbock's special interests are nutrition, youngstock programs and udder health. He has carried out research on mastitis treatment, hairy footwarts treatment, colostrum substitutes, heat synchronization and bovine somatotropin. He has been a speaker and seminar leader for AABP as well as numerous veterinary and producer groups in the U.S., Mexico and France. He speaks Spanish and French fluently. He recently remarked, "I am still wondering what I want to do when I grow up!"

Dr. Guterbock's hobbies are reading, sailing, refereeing youth soccer games, photography and following the stock market.

Dr. Guterbock's wife, Susan is a Professor of Nursing at Porterville College with special interest in obstetrical nursing. Their son, Michael, 17, is a senior in high school and daughter, Elizabeth, 15, a sophomore.

New Director



Dr. David G. Hamilton, Morden, Manitoba, Canada is the new Director for AABP District 13.

Dr. Hamilton grew up on a mixed farm near Glenboro, Manitoba, where he attended Elementary School and Glenboro Collegiate. He spent two years (1974 - 1976) at Brandon University,

Manitoba in pre-vet. med. studies. In 1980 he received the DVM degree with great distinction from the Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, Sask. He entered mixed practice at the Morden Veterinary Clinic, Morden where he is still employed in a 5-person practice. His special interests are in bovine medicine and surgery, reproduction and embryo transfer. He is very active in "production medicine" especially nutrition, mastitis control and building design.

Dr. Hamilton has been a member of AABP since 1977, Canadian VMA 1980 - present, Canadian Embryo Transfer Association, 1980 - present,

Manitoba VMA 1980 - present, International Embryo Transfer Association since 1992. He is also a member of SFT, NMC, and Manitoba Forage Council.

Dr. Hamilton became a member of the Western Canadian Association of Bovine Practitioner in 1992; member of the Board of Directors 1993 - 1996 and President in 1994. He was chairman of the Veterinary Services District Veterinarians Association in 1990 - 1992.

Dr. Hamilton has served on numerous church committees and boards, including chairman of the Parish Mission and Service Committee. He was a member of the Manitoba Veterinary Services Commission, 1982 - 88. His hobbies are curling, horseback riding, camping. His farm includes purebred Holstein cattle and 4 horses.

Dr. Hamilton and his wife, Shelley (married in 1984), an animal health technologist have 2 children: Derek, 8; Julie, 3.

Dr. Hamilton recently stated, "The AABP has played a key role in my continuing education since graduation - both the annual meetings (especially the pre-convention seminars) and journals as well as the people I have met through the AABP. I look forward to serving the AABP as a Director."

**President
Elect**



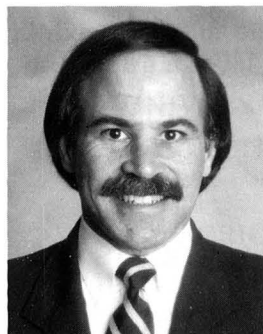
James E. Sears
DVM
Bridgeport, Nebraska

**AVMA
Delegate**



Darrel E. Johnson
DVM
Weyauwega, Wisconsin
(A past president of AABP)

Treasurer

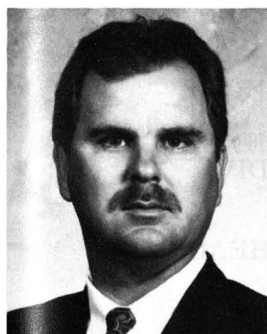


Roger L. Saltman
DVM
Cazenova, New York

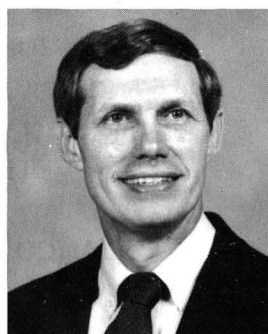
**Re-Elected
Directors**



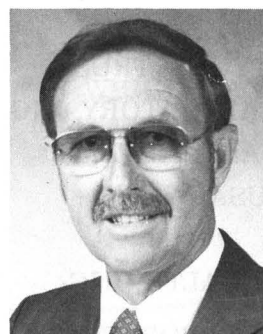
John Ferry
DVM
Adams, New York
District One



Paul Johnson
DVM
Enterprise, Alabama
District Three



N. Kent Ames
DVM
East Lansing, Michigan
District Four



Darrell C. Payne
DVM
Sedalia, Missouri
District Seven



Gary Daley
DVM
Turlock, California
District Ten



1996 Program Committee

Program Chairman	Deborah Stark
Seminar Coordinator	Jim Sears
General Sessions Coordinator	Patty Scharko
Dairy Sessions Coordinator	Karen Jacobsen
Cow/Calf Sessions Coordinator	Peter DeNooy
Feedlot Sessions Coordinator	Rodney Oliphant
Practice Tips Coordinator	Meg Cattell
Research Summaries Coordinator	Phillip Jardon
Local Arrangements Coordinator	Gary Daley
Exhibits Manager	Sam Hutchins
Continuing Education Liaison	Kathy Gloyd

Dr. Keith Sterner receives Award

Congratulations to Dr. Keith Sterner, Ionia, Michigan who received the "Birth of a Purebred" Food Animal Practitioner Award from Michigan State University's College of Veterinary Medicine, his alma mater, at a special ceremony on October 11. The Award honors a veterinarian who is engaged predominantly in food animal practice, demonstrates zeal for advancing clinical practice technique or is recognized for successful innovations in production medicine, someone who enjoys working with veterinary students, is respected by his/her peers and viewed as an excellent role model.

Dr. Sterner is a Past President of AABP.

EXHIBITORS

The AABP wishes to thank the following exhibitors and contributors for their loyal support of the San Diego Convention.

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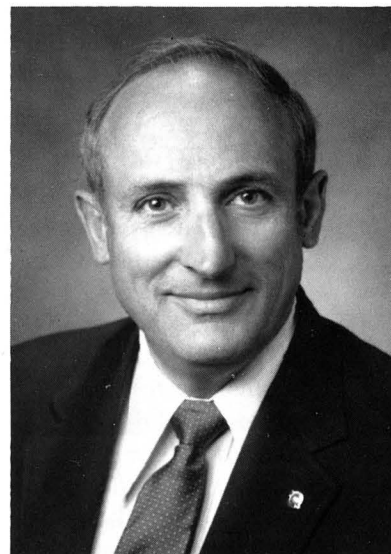
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*Samuel Hutchins III, DVM
Exhibits Manager*

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Bovine "Give-Away"

Winners of the 1996 Bovine Give-Away

Winners	Booth	Winners	Booth
Dr. Larry T. Taylor 210 Grayson Rd. Wytheville, VA 24382	Jorgesen Laboratories Loveland, CO 80538	Dr. David J. Frueh Maryville Veterinary Clin. Rt. 2 Box 2058-A Maryville, MO 64468	American Protein Corporation Ames, IA 50010
Dr. David A. Morrow 1060 Haymaker Rd. State College, PA 16801	Veterinary Medicine Publishing Group Lenexa, KS 66219	Dr. J. Herbert Brown Jr. 3250 Nashville Rd. Bowling Green, KY 42101	Babson Bros. Co. Naperville, IL 60563
Pittsfield Veterinary RR 1 Box 62 Edmeston, NY 13335	IMMUCELL Portland, NC 04103	Ranch Veterinarian 256 Irish Settlement Heuvelton, NY 13654	Western Veterinary Supply Porterville, CA 93257

Opening Ceremony

Thursday, September 12

7:00 p.m.



Program Committee (see p. iv)

In accordance with tradition, the Opening Ceremony of the 29th Annual Convention was held on Thursday evening, September 12 following the hospitality hour where old friendships were renewed and newcomers greeted over sumptuous hors d'ouvres and refreshments.

Dr. Jim Sears, President-Elect and Program Chairman, presided.

Plaques of Appreciation were presented to members of the Program Committee and certificates to retiring committee chairpersons.

Dr. Keith Sterner, chairman, Harold Amstutz Student Scholarships Committee, announced that 4 X \$500 scholarship recipients had been selected, namely; Charlotte Anne Walker, University of Florida; Jennifer M. Ivany, Prince Edward Island Veterinary College; John R. Tomlinson, The Ohio State University; and Jason D. Miller, Kansas State University. He announced that, next year, the scholarships will be \$1,000 each.



The AABP Research Assistantships were presented to Dr. Tracey Lynn, Washington State University (\$3500); Dr. Sarah Lathrop, Columbus, Ohio (\$5,000); and Dr. Dave Hoffman, Manhattan, Kansas (\$1,500).

Dr. Sears presented appreciation plaques for generous financial support for the annual meeting to several company representatives (see p. xiv).

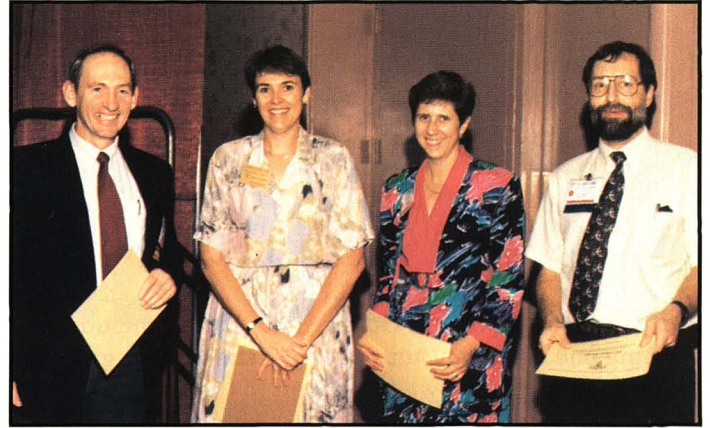
The Keynote Speaker was Dennis Avery who is a Senior Fellow of Hudson Institute and the Director of Hudson's Center for Global Food Issues. Mr. Avery grew up on a Michigan dairy farm and studied agricultural economics at Michigan State University and the University of Wisconsin. (See p. 1 for the text of his presentation.)

The lecture was sponsored by a grant from Roche Animal Nutrition and Health. Following the meeting the AABP Board of Directors sponsored a reception for over 80 students who attended the Convention.



Dr. Sarah Lathrop receiving the Scholarship from Dr. Kent Ames, Committee Chair. Dr. Bruce Hull, advisor, The Ohio State University, is on the left.

Opening Ceremony (continued)



Retiring committee members receiving appreciation certificates from Pres-Elect Deborah Stark, left: Dr. Bob Darlington, finance, Dr. Jim Sears, pharmacology and biological issues; Drs. David Byers and Jenks Britt, nutrition; Dr. Erich Studer, reproduction, right: Drs. Dee Whittier, Patty Scharko and Steve Eicker, information management.

Student Reception



Social Events

The local and social arrangements committee, under the leadership of Dr. and Mrs. Gary Daley organized several outstanding events.

Tours

The tours included a walk through the Gaslamp District with its quaint antique shops, trendy art galleries and modern shopping mall. Tea was served at the beautiful Horton Grand Hotel. Another tour included an exciting one hour boat tour of one of the world's greatest natural harbors, followed by a visit to the site of the first upper California Mission in Old Town where San Diego began more than 200 years ago. The tour continued through Balboa park to visit the city's bustling center with its financial districts and Gaslamp Quarter.

A highlight was the tour to Tijuana, Mexico with its sleek new shopping plazas settled comfortably among the quaint side streets of "Old Mexico" - and a Mexican

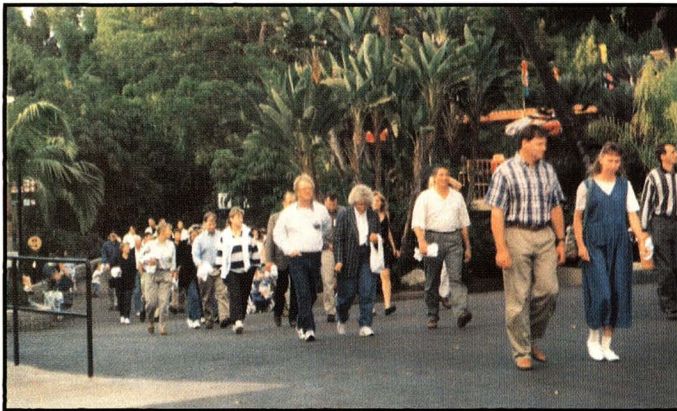
lunch in an elegant old hacienda and a Margarita cocktail!!

Other tours included a day in Historic San Diego, shopping and lunch in La Jolla, Behind the Scenes at Sea World, Reuben H. Fleet Space Theatre and Science Center and Behind the Scenes tour at the Wild Animal Park.

An Evening at the San Diego Zoo

San Diego Zoo is known worldwide where, among its 100 acres and 5,000 species of exotic plants, one finds the world's rarest collection of animals. Over 600 registrants enjoyed the narrated tour followed by a gourmet dinner as the day's last rays of sun disappeared over the horizon.

The tour was supported by a generous contribution from Pfizer Animal Health.



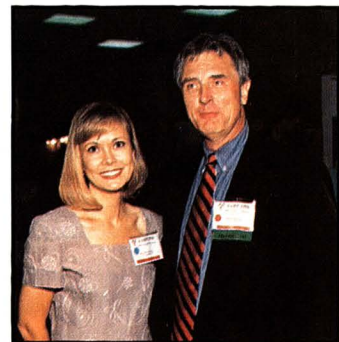
Seals on La Jolla beach



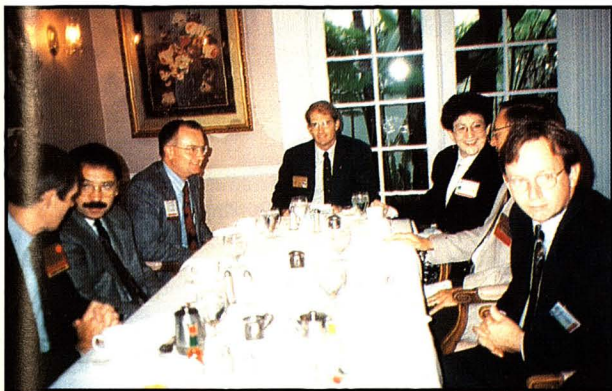
Appreciation

The Editor wishes to express sincere thanks to Dr. Edward and Mrs. Roberta Sterner, Ionia, Michigan for their assistance in taking a large volume of photographs for our publications for many years.

President's Reception



Public Relations Breakfast



Annual AABP Business Meeting And Awards Breakfast

Saturday, September 14, 1996



The Annual Business Meeting and Awards Breakfast was held on Saturday morning September 14, sponsored in part by grants from **West Argo** and **Rhone Poulenc**.

AABP President, Dr. Gatz Riddell welcomed everyone. The Invocation was given by the Rev. Jamey Hunt. The President called the meeting to order and the minutes of the 1995 Annual Business Meeting were approved.

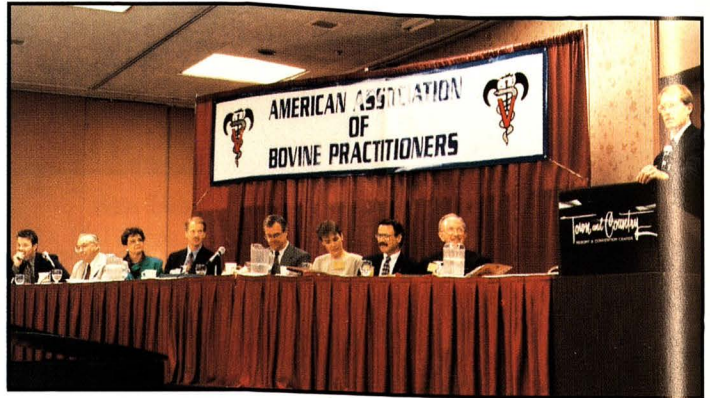
In his report, Executive Vice President James Jarrett announced that the registration figures for the meeting were:

715	Members
80	Students
117	Non-members
248	Accompanying persons
18	V.I.P.'s
322	Exhibitors
<hr/>	
1500	

Dr. Rodney Sydenham was recognized for his service as District 13 Director, Dr. Arden Nelson for his Service as Nutrition Committee Chairman, Dr. Arnold Hentschl likewise as chairman of the Pharmaceutical and Biologies Committee and Dr. Robert Keith for his two term service as the AVMA Delegate.

Dr. Mary Beth Leininger, AVMA President addressed the members, emphasizing the importance of teamwork especially in areas of food safety. She remarked, "never before has it been more important to emphasize our commonality".

Dr. Andre Cecyre, representing the Canadian Veterinary Medical Association brought greetings and a welcome to the AABP meeting in Montreal, Quebec in September 1997.



Changes in the Constitution and Bylaws presented by committee chairman Dr. L. Mac Cropsey included an amendment for automatic ascension of the vice president to president-elect. They were approved by the members.

The Best Dressed Bovine Practitioner Award (donated by Dr. Jacob Hines, Oxford, WI) was presented to Dr. Heather Bessoiff.

Following the presentation of the Awards, Dr. Gatz Riddell gave his closing address:

"It is difficult to summarize a year in a few minutes. This last year has been a tremendous opportunity for me and hopefully at least a moderately successful one for the AABP. My brief experience can attest to the fact that this organization is strong, vital, and responsive to the needs of our associated industries, consumers, and most importantly, our members.

The number of people to whom I owe thanks is difficult to count. Most importantly, I have to thank my wife, Kay, for operating as a single parent much of the last year or two. Hopefully, she's looking forward to somewhat of a return to normalcy. The other officers on the Executive Committee, Deb Stark, Jim Sears, and Bob Smith have all been invaluable this last year as some difficult decisions had to be made, and often on short notice. Every member of the Board of Directors has been involved this year to some, often a major, extent.

All of the committee chairs have been very active with the charges of several of the committees putting them into the "hotseat" time after time. At the risk of oversight, let me mention a few of the committee chairs because of their pivotal roles this last year. First, there is Dr. Arden Nelson, retiring chair of the Nutrition committee. It was Arden whose enthusiasm surprised even me when he told how "GREAT" it was that the latest developments with BSE in March happened during the year I was president. At times, Arden seems as if he were a one-man "Wave".

The chair of the Food Safety Committee, Dr. Don Hansen, who helped so much during the months of March, April, and May when things were moving so fast in the arena of Bovine Spongiform Encephalopathy. Dr. Lynn Upham, chair of the Reproduction Committee, stimulated change in our Program Committee structure in response to a real need. The Animal Welfare Committee has been very active this last year with Dr. Louis Perino at the helm. Louis has answered emails so rapidly this past year, it seemed like Radar O'Reilly from MASH was on the other end of the line anticipating my questions.

This organization is made up of over 5,000 individual members,

each one important, but some of these have been crucial this last year in the operation of your organization. Dr. Dick Card from Jefferson, Maryland represented the AABP at two BSE meetings better than I could have and saved me two trips to the nation's capital, Dr. Phil Hays from Campbellsville, Kentucky who made a suggestion which enhanced the meeting for everyone in the form of the "Quick Reference Guide", Dr. Darrel Johnson, one of our unforgettable Past-Presidents who time and time again shed his "positive" advice on this "negative" person.

Could I ask that all of the students in the room stand up. This is the future of the bovine practice and it looks encouraging. I know the group from Auburn is probably waiting for some sarcastic remark, but I've got plenty of time when we get back home. Their dedication to learning and advancing their knowledge is commendable. Thanks. Particularly to those in such large numbers here, I feel very honored.

I can't miss this opportunity to harp on some issues. The regulations enacting AMDUCA will be coming out soon. While these may provide some challenges, they will also give us some opportunities, not the least of which will be a chance to demonstrate that we can use drugs responsibly and safely. Extralabel use of the fluoroquinolone antibiotics is currently illegal. It is up to us to consider all of the sides of this issue and do the right thing. If we act responsibly, they may become a very valuable therapeutic tool. If we do not, they may be lost to all of veterinary medicine for a long, long time. Observing the voluntary ban of the feeding of ruminant protein to ruminants may be difficult for you in your practice, but it is essential

in maintaining consumer confidence while the science of the issue is developing.

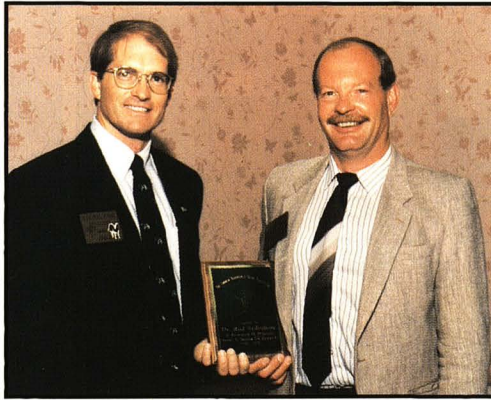
Enough of the serious side of my role. The President's messages are now bequeathed to Dr. Deb Stark; it will surprise you, Deb, how fast the first of the month rolls around, and now you'll have more than bills to remind you. To the people, really friends, in the home office in Rome Georgia, who welcomed me numerous times during this last year, thanks for the warm welcome. I'll be back, but probably not for entire days and not arriving as early as in the past, I'll probably even bring my spouse and loyal distractions. The rapid response to calls for help and assistance has resulted in some really good things. There's only one problem with good performance. With it comes the call for great performance; and with great performance comes the call for superlative performance, it's never ending and always challenging. Remember, there are no problems, just challenges and opportunities.

Now, I am kind of looking forward to going cold turkey on this president's stuff. Dr. Stark's proficiency and determination will make this next transition (to use a word specifically picked for Reilly Glone and his cronies on the information management committee) so seamless as to be imperceptible. Thanks to everyone and best of luck. With that I will turn over the gavel of the AABP to you, Dr. Stark.

Dr. Stark accepted the gavel of leadership with much humility, pride and enthusiasm for the future of AABP.



Dr. Leininger addressing the members.



President Riddell presenting Dr. Sydenham.



Leigh Ann Hunt presenting Dr. Heather Bessoff.



Dr. Robert Keith, accompanied by his wife Careen, receiving appreciation plaque from Dr. Jarrett.



Dr. Nelson receiving recognition plaque from President Riddell.



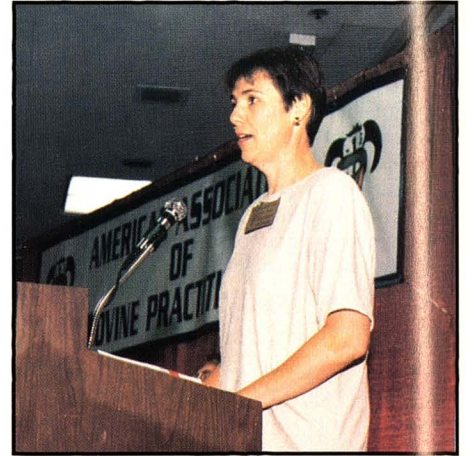
Dr. Andre Cecyre, Canadian VMA President.



Dr. Herb Lloyd, retiring AABP representative at USAHA meetings receives plaque from President Riddell.



President Riddell passing the gavel to Dr. Deborah Stark.

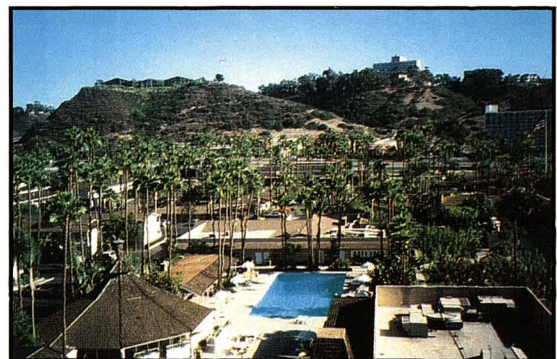


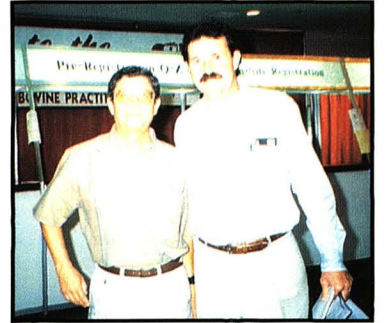
Newly installed President Stark at the Podium.

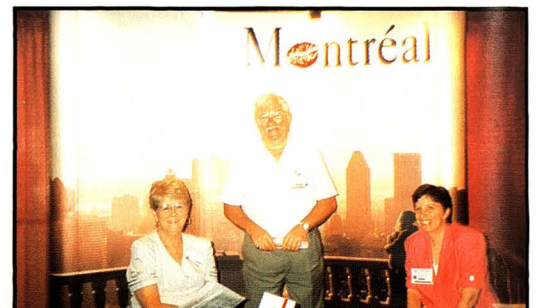
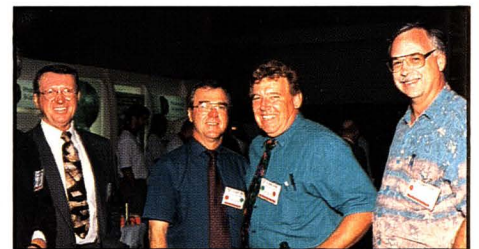
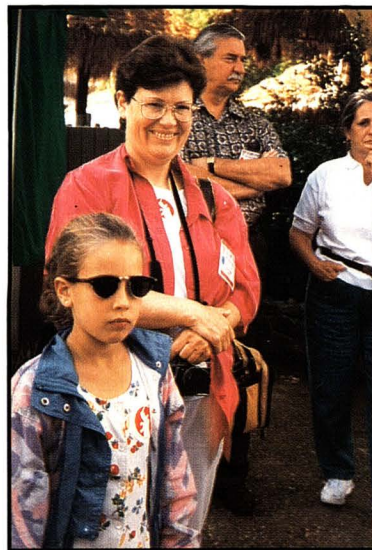
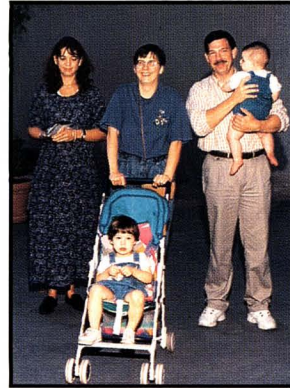
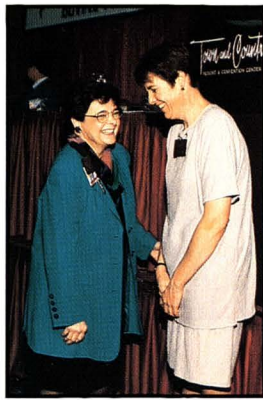
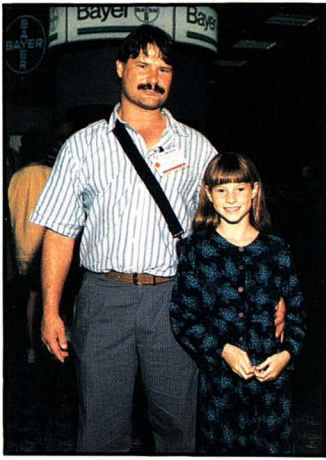
Convention Profile



Past President Riddell receiving the President's plaque from President Stark.







Convention photos by Helt Photography Stillwater, Oklahoma and the Editor.

See you in Montréal!

Special appreciation for generous financial support of the meeting was made at the Annual Business Meeting by AABP President Gatz Riddell to:



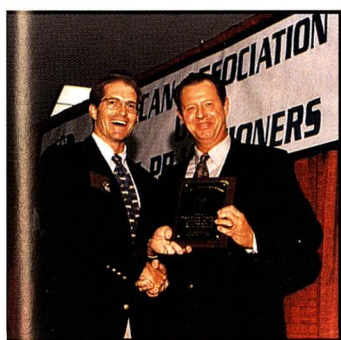
**Dr. Al Mikelson -
Bayer Animal Health**



**Dr. Paul Hays -
Boehringer Ingelheim**



**Dr. Chris Young -
Elanco Animal Health, Inc.**



**Dr. Bill Swafford -
Pfizer Animal Health, Inc.**



**Dr. Gene Boomer -
Protiva, a unit of
Monsanto Company**



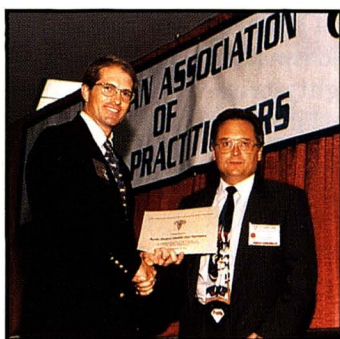
**Dr. John Mahoney -
Purina Mills, Inc.**



**Dr. Bruce Nasky -
Rhone Merieux, Inc.**



**Terry Hansen -
Upjohn Company**



**Dr. Joe Dedrickson -
Rhone - Poulenc**



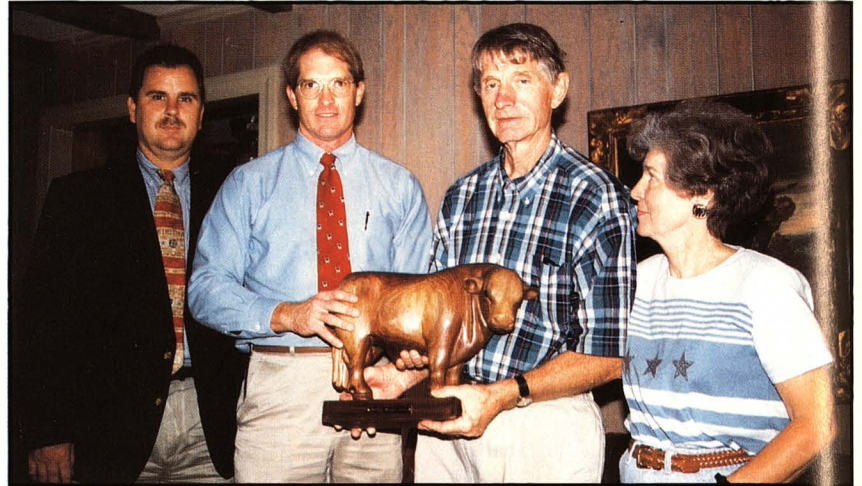
**Bill Thompson -
West Agro**



Amstutz-Williams Award



Dr. Paul Johnson receiving the Award on behalf of Dr. Harrington.



President Riddell, accompanied by Dr. Johnson presenting the Award to Dr. & Mrs. Harrington at their home in Raleigh N.C.

Dr. Ben D. Harrington, Raleigh, North Carolina was the recipient of the Amstutz-Williams Award.

The Award was established by the AABP in 1986 to be the highest honor that can be bestowed by the AABP, to be presented when a highly qualified individual is nominated a selected for outstanding service to the veterinary profession.

To complete the Annual Business meeting and Awards Breakfast of the 29th Annual Meeting this morning, President Riddell stated, "I have a very singular and very humbling task. I have been given the charge of doing what has only been done five times previously for this organization. I am deeply honored to be presenting the Amstutz-Williams Award to one of our members. This award is **THE** highest honor which can be bestowed upon a member of the American Association of Bovine Practitioners. This award was established in 1986 in honor of the long and distinguished careers of Dr. Harold Amstutz and Dr. Eric Williams. The sole, but very weighty, criteria for this award is that of truly outstanding service to the veterinary profession. This award is to be given not annually but only when a truly worthy individual is nominated.

The recipient of this Amstutz-Williams award is a veterinarian who can be described as a doer, a facilitator and a visionary. Our recipient built one of the earlier veterinary haul-in facilities of its kind in the country. The extensive small and large animal facilities also made this one of the most complete and well-rounded of clinics. With the appropriate vision, the mastitis tube became a lesser tool in the battle with mastitis and the flow meter and vacuum recorder were elevated in importance. In a small way, and I say that only figuratively, our recipient led the bovine side of practice into the electronic and

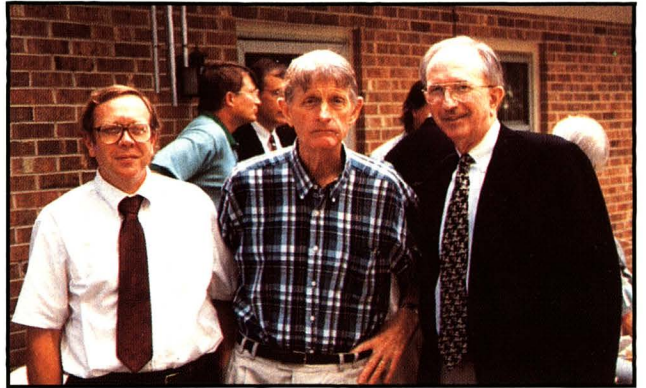
computer age, back in the 70's with the use of the T159 Programmable calculator. A student of the industry, this veterinarian realized the importance of perspective as the view from outside in often differed from the view inside out. Therefore, it only seemed right that a veterinarian who impacted dairy practice should milk cows, and this he did from several vantages during his career. The AABP has been the benefactor of his service at all levels and for long times. But because of a more global perspective, the work and the fight to promote bovine practice were taken to other levels and other areas. The training grounds of our future veterinarians, our schools and colleges of veterinary medicine, became the object of attention for our recipient. The AVMA's Council on Education felt the presence of this AABP member as the forces bent on diminishing the food animal side of education for a variety of reasons found a worthy and capable opponent. Our recipient learned that if you can't beat'em outright, then join'em. And if you didn't like the way they were, then help build one yourself (the North Carolina State University College of Veterinary Medicine). If you don't like the way they are run, then run them yourself, and the role of an administrator earned a place on the curriculum vitae of a true practitioner. Recognizing the changing demographics in the veterinary applicant's pool, the importance of animal husbandry training forms the basis for the food animal teaching effort as this institution. The tools for this training in animal husbandry become the foundations of this college from its very origins. Outside of academia our recipient generated and/or facilitated the development of the NON-traditional continuing education meeting. Having now retired from veterinary practice, our recipient has become actively involved in fulfilling a long time dream of building summer camps for underprivileged children. Maybe not too

long of a trip from building examples, skills, and schools for veterinarians needing to be moved into the outer reaches of their practice area. Moving them from the paradigm of the individual to that of the herd. It is impossible to do justice to this 1957 University of Georgia graduate, North Carolina practitioner, and universal Bovine Practitioner so let me stop and announce that the Amstutz-Williams award, the highest honor bestowed by the AABP, given only when that rare individual comes along, is given to Dr. Ben Harrington, Raleigh, North Carolina.

Because of circumstances beyond anyone's control, Dr. Harrington cannot be with us physically this year, even though he's always with us in spirit, I have asked our District 3 Director, Dr. Paul Johnson, to accept this award on Dr. Harrington's behalf. Please come forward, Paul.

The Award was presented to him at his home a couple of weeks later by Dr. Gatz Riddell who was accompanied by several AABP members.

Reception at the home of Dr. and Mrs. Harrington.



1996 Bovine Practitioner of the Year



Dr. Paul Blackmer receiving the Award from Dr. Leon Weaver, right and Dr. John Schnakel, Fort Dodge representative.

Dr. Paul Blackmer, Chino, California is the 1996 AABP Fort Dodge Bovine Practitioner of the Year.

The Award was initiated by Diamond Laboratories in 1979. The recipient is selected for professional reputation, quality and competence of practice, activities in organized veterinary medicine, contributions to the livestock industry and to continuing education within the profession.

In presenting the Award, Dr. Leon Weaver stated: "This year's selection of the Bovine Practitioner of the Year is based on more than two decades of commitment to defining new frontiers and standards of excellence in dairy veterinary practice that have had as their hallmark delivery of quality continuing education to producers, dairy employees, veterinary associates and professional colleagues.

On the first evening of my first visit to this veterinarian's practice soon after I graduated from veterinary school, I accompanied this individual to a producer's house where this practitioner presented a one-on-one slide show supported by scientific articles and other prepared materials relevant to the producer's specific herd management situation. Later, I had the opportunity to attend formal Herdsmen Training Schools prepared and conducted by him - first for his clients' benefit, and over time for benefit of producers throughout the area and western United States.

This individual has one of the most comprehensive slide and video libraries pertaining to dairy herd health and management. He has established a client training center at his office that uses currently available computer and video technology to present both archived images and those collected in real-time directly from producers' premises. He has made his expertise and li-



Dr. and Mrs. Blackmer with their daughters Christina and Bonnie.

brary available to his colleagues through service to the AABP. As a long-time faculty member in the AABP Quality Milk Seminar he has provided continuing education for more than 400 AABP members over the past 20 years.

This native of a New England dairy farm and 1970 graduate of Cornell University has gone on to shape in a very significant way the very nature of dairy veterinary practice - especially in large herds. His excellence as a dairy practitioner was recognized by his colleagues and the AABP in 1983 when he was awarded the Excellence in Preventive Medicine (Dairy) Award. He has pioneered a style of veterinary practice that looks beyond reproductive tract palpations. He has developed expertise in calf management, udder health and milk quality programs. Most importantly, he has built a professional organization that serves as a setting providing advanced clinical training for aspiring dairy production medicine veterinarians. He currently employs three veterinarians and over the years has had direct involvement in advancing the careers and expertise of recognized dairy production medicine professionals located in at least six states throughout the West, North West and South Western United States. He has been a mentor and role model for many more.

The recipient of the AABP Bovine Practitioner Award for 1996 has been married to his "university sweetheart", Bonnie, for 25 years and together they have raised two beautiful daughters - Nicole, a recent University of California, Irvine graduate and Christina, a scholar-athlete at University of Nebraska.

I am pleased to announce that the Bovine Practitioner of the Year for 1996 is awarded to my colleague and good friend Dr. Paul E. Blackmer."

AABP Distinguished Service Award



Dr. Arnold F. Hentschl

Dr. Arnold F. Hentschl, Harbor Beach, Michigan received the 1996 Pfizer-AABP Distinguished Service Award.

The Award was established in 1989 to recognize outstanding individuals whose long and continued service to AABP have promoted the goals of the organization and whose accomplishments have served as a model for service to bovine agriculture. Selection criteria include a career of self-commitment to excellence in bovine medicine, keeping abreast of the times, and peer recognition as an effective spokesperson for bovine practitioners.

Presenting the Award, Dr. Harold Amstutz stated, "Sixty eight years ago, a couple immigrated to the United States from Austria. Three years later a son was born who has become one of the most respected and influential veterinarians in his adopted country.

He worked on dairy farms during grade school, high school and college where he developed a deep and lasting interest and concern for the bovine species.

Very early in his school years, classmates recognized that he was a leader. In grade school he received the American Legion Leadership Medal, in high school he was elected senior class president and received an agricultural scholarship to Wayne State University.

After completing the preveterinary requirements he was admitted to the College of Veterinary Medicine at Michigan State University where he was elected president of the Student Chapter AVMA, assisted in initiating the student honor code, and received the Raskin Veterinary Award for Veterinary Citizenship.

Upon graduating from Michigan State University he established a mixed animal practice with emphasis



Dr. Kent Ames, right, District 4 Director received the Award for Dr. Hentschl from Dr. Amstutz and Dr. Bruce Vandercamp, Pfizer, Inc.

on dairy and feedlot cattle at Harbor Beach, Michigan which he continues to operate.

His list of memberships, services, offices held and honors received is long and impressive. I have selected only a few to share with you.

- President - Board of Trustees Harbor Beach Community Hospital
- President - Michigan Veterinary Medical Association
- Chairman - AVMA Council on Education
- Chairman - AVMA Executive Board
- Trustee - AVMA Professional Liability Trust
- Chairman - AABP Committee of Pharmaceutical and Biological Issues
- Member - FDA Veterinary Medical Advisory Committee

Michigan State University has honored him with the Distinguished Alumnus Award, Veterinarian of the Year Award, and the Food Animal Award, and the AVMA with the Distinguished Service to Organized Veterinary Medicine Award.

In 1980 he received the AABP Bovine Practitioner of the Year Award.

He is married to Anna Marie, has six children and eleven grand children.

The American Association of Bovine Practitioners is very pleased to present the 1996 Pfizer Animal Health AABP Distinguished Service Award to Dr. Arnold F. Hentschl."

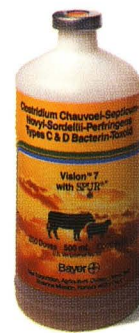
(Dr. Hentschl was unable to be present to receive the Award due to a family commitment.)

VISION[®]

BLACKLEG VACCINES

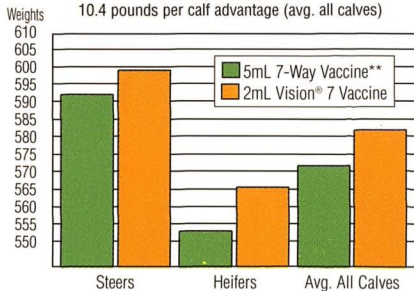
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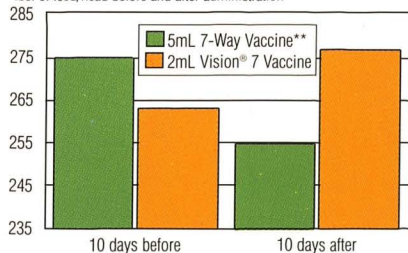


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Vision[®] 7 Weaning Weight Comparisons
5 Herds, 1018 Calf Pairs
10.4 pounds per calf advantage (avg. all calves)



Feed Consumption Comparison
lbs. of feed/head before and after administration



These days in the cattle business, anything that's not working for you is costing you money. Unless your blackleg vaccine is Vision[®], chances are you're not seeing the profits that are possible.

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reactions. Less stress on animals, weaning weight and feed consumption increase, feed conversion improves, and fewer injection site "knots" occur.* PROFIT is fewer "knots" because discounts at the auction market and carcass trim from injection site blemishes are avoided. See the PROFITS for yourself.

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*Field trial reports available upon request.
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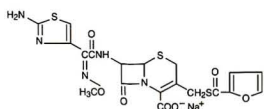
Naxcel® brand of ceftiofur sodium sterile powder

For intramuscular injection in cattle, swine, and horses. For subcutaneous injection in dogs and day-old chickens. This product may be used in lactating dairy cattle.

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

DESCRIPTION: NAXCEL Sterile Powder contains the sodium salt of ceftiofur which is a broad spectrum cephalosporin antibiotic active against gram-positive and gram-negative bacteria including β -lactamase-producing strains. Like other cephalosporins, ceftiofur is bactericidal *in vivo*, resulting from inhibition of cell wall synthesis. Each mL of the reconstituted drug contains ceftiofur sodium equivalent to 50 mg ceftiofur. The pH was adjusted with sodium hydroxide and monobasic potassium phosphate.

Chemical Structure of Ceftiofur Sodium



Chemical Name of Ceftiofur Sodium

5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 7-[(2-amino-4-thia-2-yl) (methoxyimino)-acetyl]amino-3-[[[2-(4-uranylcarbonyl)thio] methyl]-8-oxo-, monosodium salt, [6R-[6a,7b(2Z)]]-

CLINICAL MICROBIOLOGY

Cattle: Ceftiofur has demonstrated *in vitro* and *in vivo* activity against *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus somnus*, three of the major pathogenic bacteria associated with bovine respiratory disease (pneumonia, shipping fever). This drug has also demonstrated *in vitro* activity against *Corynebacterium pyogenes*, another bacterial pathogen associated with bovine respiratory disease (BRD). The clinical significance of this *in vitro* activity is not known.

Swine: Ceftiofur has demonstrated *in vitro* and *in vivo* activity against gram-negative pathogens, such as *Actinobacillus (Haemophilus) pleuropneumoniae*, *Salmonella choleraesuis*, *Pasteurella multocida* and the gram-positive pathogen *Streptococcus suis*, all of which singly or in combination can be associated with swine bacterial respiratory disease (swine bacterial pneumonia).

Horses: Ceftiofur has demonstrated *in vitro* and *in vivo* activity against *Streptococcus zooepidemicus*, a major bacterial pathogen associated with equine respiratory infections. The drug also demonstrated *in vitro* activity against *Pasteurella spp.*, *Streptococcus equi*, *S. equisimilis*, *Actinobacillus spp.* and *Moraxella spp.*, bacterial pathogens also associated with equine respiratory disease. The clinical significance of this *in vitro* activity is not known.

Dogs: Ceftiofur sodium has demonstrated *in vivo* and *in vitro* activity against bacterial pathogens from dogs with urinary tract infections. Ceftiofur was more potent (*in vitro*) than other beta-lactam antibiotics against strains of uropathogens (*Escherichia coli* and *Proteus mirabilis*).

Day-old Chickens: Ceftiofur has demonstrated *in vitro* and *in vivo* activity against *E. coli*, the major pathogenic bacteria associated with early chick mortality.

LABORATORY MICROBIOLOGY: Ceftiofur has demonstrated *in vitro* activity against other gram-negative pathogens, such as *E. coli*, *P. mirabilis*, *P. vulgaris*, *Klebsiella pneumoniae/oxytoca* and *Salmonella typhimurium* and against gram-positive pathogens such as *Streptococcus bovis*, *Staphylococcus intermedius*, *S. xylosum*, *S. simulans*, *S. epidermidis* and beta hemolytic streptococci. Ceftiofur was effective when tested in a variety of mouse disease models involving *E. coli*, *Pasteurella haemolytica*, *Haemophilus somnus*, *Pasteurella multocida* or *Salmonella typhimurium*. However, the clinical significance of these findings in cattle, swine, horses, dogs, and day-old chicks is not known.

ANIMAL SAFETY

Cattle: Results from a five-day tolerance study in normal feeder calves indicated that formulated ceftiofur was well tolerated at 25 times (25 mg/lb/day) the highest recommended dose of 1.0 mg/lb/day for five consecutive days. Ceftiofur administered intramuscularly had no adverse systemic effects.

In a 15-day safety/toxicity study, five steer and five heifer calves per group were intramuscularly administered formulated ceftiofur at 0 (vehicle control), 1, 3, 5 and 10 times the highest recommended dose of 1.0 mg/lb/day to determine the safety factor. There were no adverse systemic effects indicating that the formulated ceftiofur has a wide margin of safety when injected intramuscularly into the feeder calves at 10 times (10 mg/lb/day) the recommended dose for three times (15 days) the recommended three to five days of therapy. The formulation was shown to be a slight muscle irritant based on results of histopathological evaluation of the injection sites at 1 and 3 times the highest recommended dose of 1.0 mg/lb/day. The histopathological evaluations were conducted at posttreatment days 1, 3, 7 and 14.

Swine: Results from a five-day tolerance study in normal feeder pigs indicated that formulated ceftiofur was well tolerated when administered at 57 mg/lb (more than 25 times the highest recommended daily dosage of 2.27 mg/lb of body weight) for five consecutive days. Ceftiofur administered intramuscularly to pigs produced no overt adverse signs of toxicity.

To determine the safety factor and to measure the muscle irritancy potential in swine, a safety/toxicity study was conducted. Five barrows and five gilts per group were intramuscularly administered formulated ceftiofur at 0, 2.27, 6.81 and 11.36 mg/lb of body weight for 15 days which is 0, 1, 3 and 5 times the highest recommended dose of 2.27 mg/lb of body weight/day and 5 times the recommended treatment length of 3 days. There were no adverse systemic effects indicating that formulated ceftiofur has a wide margin of safety when injected intramuscularly into feeder pigs at the highest recommended dose of 2.27 mg/lb/day for 3 days or at levels up to 5 times the highest recommended dose for 5 times the recommended length of treatment. The formulation was shown to be a slight muscle irritant based on results of histopathological evaluation of the injection sites at posttreatment days 1, 2, 3 and 4. By day 10 post injection the muscle reaction was subsiding and at day 15 post injection there was little evidence of muscle damage in any pigs in any of the treatment groups.

Horses: In a safety study, horses received a daily intramuscular injection of either 0 mg/lb/day (saline control), 1.0 mg/lb/day (50 mg/mL), 3.0 mg/lb/day (100 mg/mL), or 5.0 mg/lb/day (200 mg/mL) of an aqueous solution of ceftiofur sodium for 30 or 31 days. Ceftiofur sodium was well tolerated when administered intramuscularly to male and female horses at doses up to 5.0 mg/lb/day for 30 or 31 days. No clinical evidence of irritation was noted at any dose. The drug-related changes detected in this study were limited to a transient decrease in food consumption in horses receiving 3.0 or 5.0 mg/lb/day ceftiofur, and general mild skeletal muscle irritation at the injection sites which resolved by regeneration of muscle fibers.

In a tolerance study, horses received a single daily intravenous infusion of either 0 (saline), 10.0 or 25.0 mg/lb/day of an aqueous solution (50 mg/mL) of ceftiofur for 10 days. The results indicated that ceftiofur administered intravenously at a dose of 10.0 or 25.0 mg/lb/day apparently can change the bacterial flora of the large intestine thereby leading to inflammation of the large intestine with subsequent diarrhea and other clinical signs (loose feces, eating bedding straw, dehydration, rolling or colic and a dull, inactive demeanor). Decreased food consumption, a loss of body weight, hematologic changes related to acute inflammation and stress, and serum chemistry changes related to decreased food consumption and diarrhea were also associated with treatment at these doses. The adverse effects were most severe a few days after dosing was initiated and tended to become less severe toward the end of the 10-day dosing period.

Dogs: Ceftiofur sodium was well tolerated at the therapeutic dose and is safe for the treatment of urinary tract infections in dogs. In the acute safety study, ceftiofur was well tolerated by dogs at the recommended level (1.0 mg/lb) for 5-14 days. When administered subcutaneously for 42 consecutive days, one of four females developed thrombocytopenia (15 days) and anemia (36 days). Thrombocytopenia and anemia also occurred at the 3X and 5X dose levels. In the reversibility phase of the study (5X dose), the thrombocytopenia reversed within 8 days, and of the two anemic animals the male recovered within 6 weeks and the female was sacrificed due to the severity of the anemia.

In the 15-day tolerance study in dogs, high subcutaneous doses (25 and 125 times the recommended therapeutic dose) produced a progressive and dose-related thrombocytopenia, with some dogs also exhibiting anemia

and bone marrow changes. The hematopoietic changes noted in dogs treated with ceftiofur were similar to those associated with long-term cephalosporin administration in dogs and also man. The hematopoietic effects are not expected to occur as a result of recommended therapy.

Day-old chickens: In an acute toxicity study of ceftiofur in day-old chicks, a total of 60 male and 60 female chicks were each given single subcutaneous injections of 10, 100 or 1,000 mg/kg of body weight. Treatment on day 1 was followed by 6 days of observation; body weight was determined on days 1, 4 and 7; and selected hematology parameters were evaluated on day 4. No meaningful differences were noted among the treated and control groups of chicks for the parameters evaluated. Histopathologic evaluation of all deaths and chicks surviving to termination did not reveal a target organ or tissue of potential toxicity of ceftiofur when administered at up to 20 times (100 mg/kg) the intended highest use dosage.

INDICATIONS

Cattle: NAXCEL Sterile Powder is indicated for treatment of bovine respiratory disease (shipping fever, pneumonia) associated with *Pasteurella haemolytica*, *Pasteurella multocida* and *Haemophilus somnus*.

Swine: NAXCEL Sterile Powder is indicated for treatment/control of swine bacterial respiratory disease (swine bacterial pneumonia) associated with *Actinobacillus (Haemophilus) pleuropneumoniae*, *Pasteurella multocida*, *Salmonella choleraesuis* and *Streptococcus suis* type 2.

Horses: NAXCEL Sterile Powder is indicated for treatment of respiratory infections in horses associated with *Streptococcus zooepidemicus*.

Dogs: NAXCEL Sterile Powder is indicated for the treatment of canine urinary tract infections associated with *Escherichia coli* and *Proteus mirabilis*.

Day-old Chickens: NAXCEL Sterile Powder is indicated for the control of colibacillosis infections in day-old chicks (early chick mortality) associated with *E. coli* organisms sensitive to ceftiofur.

DOSAGE

Cattle: Administer to cattle at the dosage of 0.5 to 1.0 mg ceftiofur per pound of body weight (1-2 mL reconstituted sterile solution per 100 lb body weight). Treatment should be repeated at 24 hour intervals for a total of three consecutive days. Additional treatments may be given on days four and five for animals which do not show a satisfactory response (not recovered) after the initial three treatments. Selection of dosage (0.5 to 1.0 mg/lb) should be based on the practitioner's judgment of severity of disease (i.e., extent of elevated body temperature, depressed physical appearance, increased respiratory rate, coughing and/or loss of appetite).

Swine: Administer to swine at a dosage of 1.36 to 2.27 mg ceftiofur/lb (3.0 to 5.0 mg/kg) of body weight (1 mL of reconstituted sterile solution 22 to 37 pounds of body weight). Treatment should be repeated at 24 hour intervals for a total of three consecutive days.

Horses: Administer to horses at a dosage of 1.0 to 2.0 mg ceftiofur per pound of body weight (2-4 mL reconstituted sterile solution per 100 lb body weight). A maximum of 10 mL may be administered per injection site. Treatment should be repeated at 24-hour intervals, continued for 48 hours after clinical signs have disappeared and should not exceed 10 days.

Dogs: Administer to dogs by subcutaneous injection at a dosage of 1.0 mg ceftiofur per pound of body weight (0.1 mL reconstituted sterile solution per 5 lbs of body weight). Treatment should be repeated at 24-hour intervals for 5-14 days.

Day-old Chickens: Administer by subcutaneous injection in the neck region of day-old chicks at a dosage of 0.08 to 0.20 mg ceftiofur/chick. One mL of the 50 mg/mL reconstituted solution will treat approximately 250 to 625 day-old chicks.

ADMINISTRATION

Cattle, Swine and Horses: Reconstituted NAXCEL Sterile Powder is to be administered by intramuscular injection only.

Dogs: Reconstituted NAXCEL Sterile Powder is to be administered to dogs by subcutaneous injection. No oral closure should be entered more than 20 times. Therefore, only the 1 gram vial is approved for use in dogs.

Day-old Chickens: Reconstituted NAXCEL Sterile Powder is to be administered by subcutaneous injection only. A sterile 26 gauge needle and syringe or properly cleaned automatic injection machine should be used.

RECONSTITUTION OF THE STERILE POWDER

NAXCEL Sterile Powder should be reconstituted as follows:

1 gram vial—Reconstitute with 20 mL Sterile Water for Injection. Each mL of the resulting solution contains ceftiofur sodium equivalent to 50 mg ceftiofur.

4 gram vial—Reconstitute with 80 mL Sterile Water for Injection. Each mL of the resulting solution contains ceftiofur sodium equivalent to 50 mg ceftiofur.

STORAGE CONDITIONS

Store unreconstituted product in a refrigerator 2° to 8° C (36° to 46° F). Store reconstituted product either in a refrigerator 2° to 8° C (36° to 46° F) for up to 7 days or at controlled room temperature 15° to 30° C (59° to 86° F) for up to 12 hours.

Reconstituted NAXCEL Sterile Powder can be frozen for up to 8 weeks without loss in potency or other chemical properties. Carefully thaw the frozen material under warm to hot running water, gently swirling the container to accelerate thawing. The frozen material may also be thawed at room temperature.

Protect from light. Color of the cake may vary from off-white to a tan color. Color does not affect potency.

CONTRAINDICATIONS

As with all drugs, the use of NAXCEL Sterile Powder is contraindicated in animals previously found to be hypersensitive to the drug.

WARNINGS

NOT FOR HUMAN USE. KEEP OUT OF REACH OF CHILDREN.

Antimicrobial drugs, including penicillins and cephalosporins, can cause allergic reactions in sensitized individuals. To minimize the possibility of reactions, users of such antimicrobials, including ceftiofur, are advised to avoid direct contact of the product with the skin and mucous membranes.

Residue Warnings: Neither a pre-slaughter drug withdrawal interval nor a milk discard time is required when this product is used according to label indications, dosage, and route of administration. Use of dosages in excess of those indicated or by unapproved routes of administration, such as intramammary, may result in illegal residues in edible tissues and/or in milk.

Not for use in horses intended for human consumption.

PRECAUTIONS

The safety of ceftiofur has not been determined for swine, horses, or dogs intended for breeding, or pregnant dogs.

The administration of antimicrobials to horses under conditions of stress may be associated with acute diarrhea that could be fatal. If acute diarrhea is observed, discontinue use of this antimicrobial and initiate appropriate therapy.

ADVERSE REACTIONS

The use of ceftiofur may result in some signs of immediate and transient local pain to the animal.

HOW SUPPLIED

NAXCEL Sterile Powder is available in the following package sizes:

1 gram vial	NDC 0009-3362-03
4 gram vial	NDC 0009-3362-04

NADA # 140-338, Approved by FDA

Mfd. for: **The Upjohn Company, Kalamazoo, MI 49001, USA**
By: SmithKline Beecham Corporation, Philadelphia, PA 19101

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