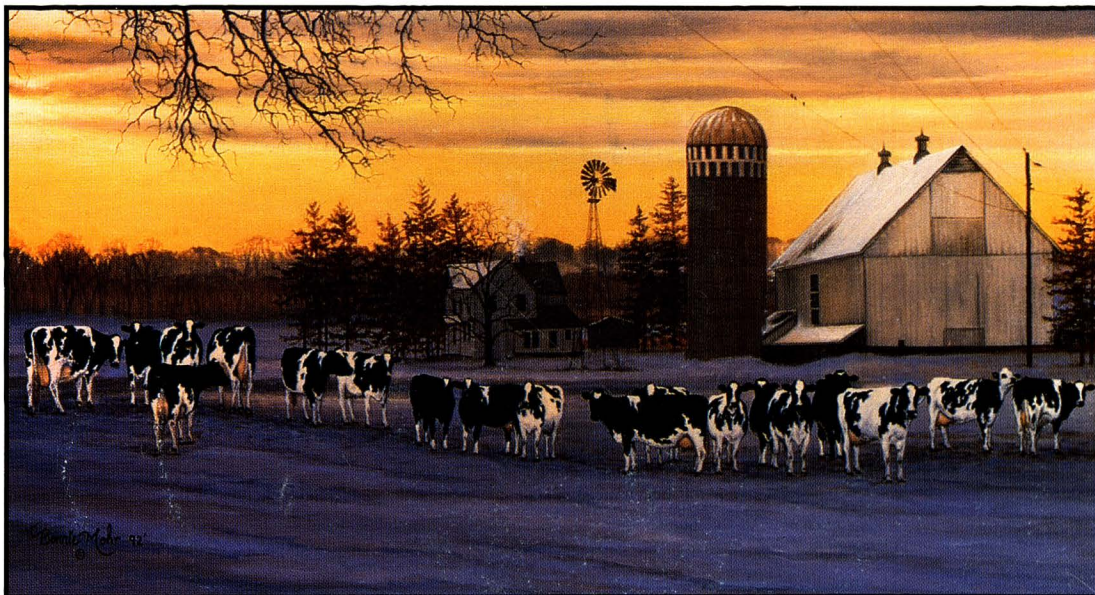


NO. 31.1
JANUARY, 1997



The Bovine PRACTITIONER

THE OFFICIAL PUBLICATION OF THE
AMERICAN ASSOCIATION OF BOVINE PRACTITIONERS



"A Place Called Home"

30th ANNUAL CONVENTION

American Association of Bovine Practitioners

Montreal, Quebec, Canada

September 18-21, 1997



**Recommend
new Dectomax.
It keeps working long
after Ivomec
has called it a day.***

Let's face it, parasites don't know when to quit. That's why your clients need a stronger parasite control product that keeps on working. Like new Dectomax.[®]

By developing an entirely new molecule, called doramectin, Pfizer scientists are able to provide you with more powerful parasite control.

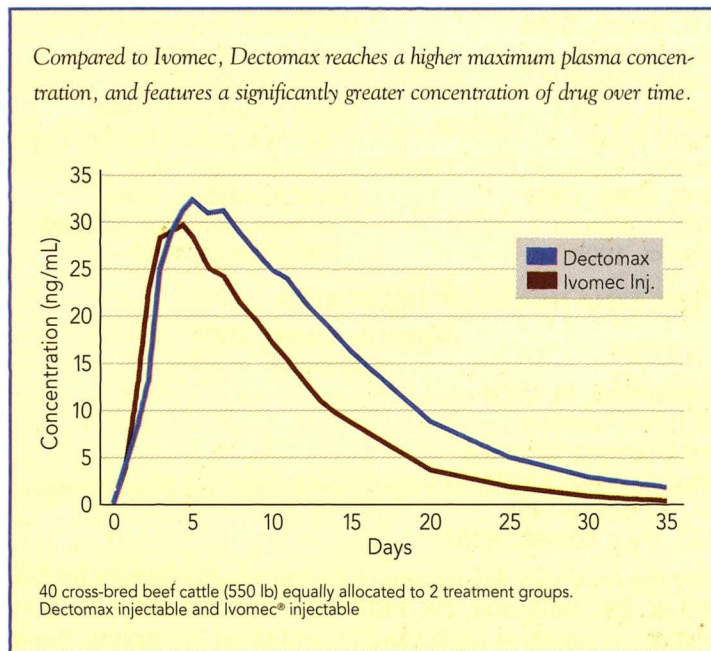
With a single injection, Dectomax protects cattle from 36 stages of internal and external parasites — for the broadest spectrum control available. *Not indicated for use against horn flies.

Dectomax offers an important advantage over Ivomec[®] by reducing numbers of the key internal parasite *Ostertagia ostertagi* for up to 21 days following treatment. Of course, longer-lasting control means

it's a better value for your clients.

Each precise, injectable dose meets Beef Quality Assurance guidelines. For more details about new Dectomax, contact your Pfizer representative or call toll-free at 1-888-DEC-TOMX (1-888-332-8669).

Because when your clients have a parasite problem, they need the product that works overtime.



Animal Health

DECTOMAX[®]
Stronger. Longer.



The Bovine PRACTITIONER

No. 31.1
January, 1997

EDITOR:

ERIC I. WILLIAMS, F.R.C.V.S., M.S.
1226 N. Lincoln
Stillwater, Oklahoma 74075
Tel: (405) 372-3693
FAX (405) 372-0939

PRINTER:

Frontier Printers, Inc.
205 W. 9th
Stillwater, Oklahoma 74074

OFFICERS

President	Deborah A. Stark, DVM Guelph, Ontario, Canada
President-Elect	James E. Sears, DVM Bridgeport, Nebraska
Vice President	Walter M. Guterbock, DVM Visalia, California
Past President	M. Gatz Riddell, Jr., DVM Auburn, Alabama
Executive Vice President	James A. Jarrett, DVM Rome, Georgia
Treasurer	Roger Saltman, DVM Cazenovia, New York

BOARD OF DIRECTORS

John Ferry, DVM Adams, New York 1st District, 1999	Kenneth Nordlund, DVM Madison, Wisconsin 5th District, 1997	Gary Daley, DVM Turlock, California 10th District, 1999
Richard L. Wilkes, DVM Rocky Mt., Virginia 2nd District, 1998	Mark Kirkpatrick, DVM Readlyn, Iowa 6th District, 1998	Michael J. Anderson, DVM Lynden, Washington 11th District, 1997
Paul E. Johnson, DVM Enterprise, Alabama 3rd District, 1997	Darrell C. Payne, DVM Sedalia, Missouri 7th District, 1999	Emile Bouchard, DVM St. Hyacinthe, Quebec, Canada 12th District, 1998
N. Kent Ames, DVM East Lansing, Michigan 4th District, 1999	Steve Lewis, DVM Hereford, Texas 8th District, 1997	David Hamilton, DVM Morden, Manitoba, Canada 13th District, 1999
	Delbert G. Miles, DVM Greeley, Colorado 9th District, 1998	

REPRESENTATIVE TO THE AVMA HOUSE OF DELEGATES:

Darrel E. Johnson, DVM
Weyauwega, Wisconsin

James A. Jarrett, DVM
(alternate)

EXHIBITS MANAGER:

Samuel Hutchins, III, DVM
South Barre, Vermont

ADVERTISING AGENCY:

Veterinary Learning Systems
425 Phillips Boulevard #100
Trenton, NJ 08618-1496
609-882-5600 Fax: 609-882-6357

THE BOVINE PRACTITIONER is published by the American Association of Bovine Practitioners, Inc., twice a year (May and January) at **Frontier Printers, 205 W. 9th, Stillwater, OK 74074 (Tel: 405-372-8500; FAX 405-372-8523)**. Over 6000 copies are mailed to veterinarians engaged in cattle practice and allied institutions. Send new address (please include old address) to:

Dr. James A. Jarrett, Exec. Vice President, AABP, P.O. Box 1755, Rome, GA 30162-1755
Tel: 1-800-269-2227; FAX 706-232-2232

By agreement between the Board of Directors, American Association of Bovine Practitioners and the World Buiatrics Association this journal serves as a communication medium between Bovine Practitioner Associations across the world and is the official journal of the World Association for Buiatrics (WAB). Papers related to bovine practice will be accepted from overseas correspondents. Notices and brief reports of national conventions on cattle diseases will be accepted for publication. All communications must be presented in English. The journal is a refereed publication.

Copies of THE BOVINE PRACTITIONER are available to non-members for \$15.00 per copy, surface mail, or \$20.00, airmail (overseas).

AABP Publication Dates

On the recommendation of the Strategic Planning Committee and the AABP Editor, the Board of Directors has approved the following schedule:

	1997	1998
<i>The Bovine Practitioner</i>	May	January
<i>Annual Proceedings</i>	September	September

Deadlines for submitting manuscripts.

<i>The Bovine Practitioner</i>	February 15, 1997	October 15, 1997
<i>Annual Proceedings</i>	May 01, 1997	May 01, 1998

Instructions for submitting articles for *The Bovine Practitioner / Proceedings*

1. Articles should be supplied to the Editor on 3 $\frac{1}{2}$ " HD (high density) diskettes, using Word Perfect or Microsoft Word programs.
2. Include a printed copy of the article with the diskette.
3. All charts, tables, drawings, etc., should be sent as separate pieces on an 8 $\frac{1}{2}$ " x 11" sheet of paper. Oversize art is preferred, as printer will size to fit.
4. If photos are used, send 3 $\frac{1}{2}$ " x 5" prints (not negatives). Printer will size to fit.

Send to Editor: **ERIC I. WILLIAMS, F.R.C.V.S., M.S.**
1226 N. Lincoln
Stillwater, Oklahoma 74075
Tel: (405) 372-3693
FAX (405) 372-0939

Cover Photo

"A Place Called Home" is a copy of a painting by Bonnie Mohr, America's popular rural artist. Her original paintings and limited edition prints are found in private and public collections throughout the United States, Canada and several overseas countries.

For information, contact Bonnie Mohr Studio, P.O. Box 32, Glencoe, NM 55336, Call 1-800-264 MOHR or FAX (320) 864-6646.

TABLE OF CONTENTS

• KEYNOTE ADDRESS - The Brightest Prospect in U.S. Livestock History — <i>Dennis T. Avery</i> ...	1
• Animal Welfare Issues - Understand the Facts! Getting Involved as a Practitioner - Veal Industry — <i>Dan Shields</i>	9
✓• The Role of the Bovine Practitioner in Cattle Welfare — <i>A.J.F. Webster</i>	10
• Cattle Welfare, Science and Policy — <i>Herman K. Wierenga and Harry J. Blokhuis</i>	16
✓• Modulation of Lung Inflammation in the Control of Bovine Respiratory Disease — <i>M.L. Van De Weerd and P. Lekeux</i>	19
✓• Potentiation of Bovine Respiratory Syncytial Virus Infection in Calves by Bovine Viral Diarrhea Virus — <i>John H. Pollreisz, Clayton L. Kelling, Bruce W. Brodersen, Louis J. Perino, Vickie L. Cooper, Alan R. Doster</i>	32
✓• The Role of <i>Haemophilus somnus</i> in Bovine Respiratory Disease (BRD) — <i>Eugene D. Janzen</i>	39
• Experiences With Two BHV1 Marker Vaccines — <i>O.C. Straub</i>	46
• Quantification Of Experimental Transmission Of Bovine Herpes-Virus 1 In Cattle Vaccinated With Marker Vaccines — <i>J C Bosch; M C M De Jong; J Maissan; J T Van Oirschot</i>	49
✓• Infectious Bovine Respiratory Disease - Emerging Issues and Progress Towards Control — <i>Dr. David Bryson</i>	51
✓• A Review of Bovine Respiratory Disease Vaccine Field Efficacy — <i>Louis J. Perino, Breck D. Hunsaker</i>	59
• Prions Quisling Proteins — <i>Pat Hartigan</i>	67
• What Can We Learn From BSE?— <i>John Wilesmith</i>	71
✓• Microbiology and Pharmacology of Enrofloxacin in Cattle — <i>Dr. Michael Stegemann</i>	76
✓• The Persistent Activity of Topical Ivermectin Against <i>Bovicola bovis</i> — <i>J.M. Parry, W.T.R. Grimshaw, R. Titchner</i>	82
✓• Neonatal Calf Management: A Guide to Disease Investigation — <i>Sheila M. McGuirk</i>	83
• Congenital Chondrodystrophy of Calves in Scotland — <i>G. J. Gunn, D. Scott, B. Thorpe, N. Loveridge, J. Goldie</i>	87
• Udder Preparation for Quality Milk Production — <i>Jeffrey K. Reneau</i>	91
✓• Beef Quality Assurance for the Cow-Calf Practitioner — <i>K. G. Odde</i>	95

- ✓ • COWBOSS: A Microcomputer Record Keeping System for Cow/Calf Herds
— *A. Ahmadi, J. W. Oltjen, S.L. Berry, W.J. van Riet and J.L. Farley* 98
- Excision of a Bovine Uterine Intramural Abscess via Colpotomy
— *Samuel P. Galphin, Jr.* 101
- Evaluation of The Fulton and Remington Test for Serologic Research of Toxoplasmosis
in Cattle — *D. Proverbio, A. Belloli, F. Avezza, D. Guarneri, S. Arrigoni* 104
- STUDENT REPORT - Tetanus in Feeder Calves — *Karen Spiece* 106

- AABP Officers i
- Exhibitors v
- Opening Ceremony vii
- Social Events ix
- Annual Business Meeting xi
- Awards xvii



Advertisers' Index

- Bayer Corporation Inside Back Cover
- Elanco Animal Health 15, 111
- Pfizer Animal Health Inside Front Cover & Opposite Page
- Pharmacia & Upjohn Inc. Outside Back Cover
- Schering Plough Animal Health Table of Contents, 109