
STUDENT—FACULTY

Class of 1984

Norm and **Brenda Brooker** became the proud parents of a baby son, **Nathan William**, September 13, 1983.

Ronald M. Kelpe was married to **Susan Schabel** on August 6, 1983.

Nancy Klauer married **Eric R. Knight** on December 17, 1983.

Jeff Okones married **Diane Jacobs** on June 11, 1983.

Sandra Wilson and **Jon Lofquist** were married on May 21, 1983.

Class of 1985

Robin Brady was married to **Randy Hubbard** on July 23, 1983.

Jeff and **Kathy Dietrich** became the parents of a baby girl, **Hannah Lynn**, born on August 18, 1983.

Steve Hansen and **LuAnn Tielge** were married on August 5, 1983.

Mike Henning married **Wendi Puck** on August 6, 1983.

Les and **Darla Huck** announced the birth of their daughter, **Heidi Marie**, on September 22, 1983.

Suzanne Moeller was married to **Anthony Ostle** on August 14, 1982.

Joseph Robuccio and **Lori Fitzpatrick** were married on August 5, 1983.

John Schiltz married **Jennifer Seiler** on August 20, 1983.

Class of 1986

Susan Conoan and **Jeffrey Arnold** were married on July 15, 1983.

Ron Cronogue was married to **Tina Andrew** on December 30, 1982.

Melissa Fleck and **Michael Veenhuizen** were married on May 28, 1983.

Jay and **Janet Janssen** announced the birth of their daughter, **Jamie**, on May 19, 1983.

Laura Jenkins married **Mark Hardy** on July 9, 1983.

Joel Jess was married to **Tammy Dittmer** on August 13, 1983.

Craig Piepkorn and **Jackie Wachtler** were married on June 4, 1983.

Dale Rossano married **Dana Squires** on July 13, 1983.

Robert Thorsen and **Lori Pohm** were married on June 18, 1983.

Mike Yanda and **Carol Ehl** were married on June 18, 1983.

Bianca Zaffarano married **Nick Koszewski** on June 11, 1983.

Class of 1987

Steve and **Debbie Dotzenrod** were married on August 27, 1983.

Robert and **Betsy Freese** were married on August 13, 1983.

Tim and **Debbie Villm** were married on August 5, 1983.

Gawen and **Beth Zomermaand** were married on June 10, 1983.

Welcome, Class of 1987

The Class of 1987 has 120 new students and six returning students. The members of this class, 82 men and 44 women, represent six different states. Of the new students, 84 are Iowa residents, 24 students are from Nebraska, eight are from North Dakota, two are

from South Dakota, one is from Wisconsin, and one student is from Arizona. Seventy-seven students have earned Bachelor degrees prior to admission, and seven students have Master degrees and/or Ph.D.'s

Abraham, Sarah
Ames, Janel Ruth
Berggren, Tammy Ann
Berry, Lisa Catherine
Blöse, Sarah Jane
Bohn, Greg Andrew
Borkowski, Gary Lee
Brodahl, Mark Vernon
Broderick, John Edward
Burgess, David Allan
Burns, Penny Ann
Campbell, Daniel Edwin
Carr, Jeffrey Lee
Cordes, Michelle Reneé
Cornish, Kevin Craig
Curry, Scott Leroy
DeGraff, Bryan David
DeLano, James Joseph
Derga, Nancy Anne
Dick, Virgil Dale
Dotzenrod, Steven Mark
Dunphy, David Alan
Ephraim, Glenn Penalosa
Forret, Michael Joseph
Freeland, Leon Richard
Freese, Robert Leo
Frey, Donna Kay
Friedlander, Alan Marck
Frischmeyer, Karen Janice
Frisk, Sidney C.
Garrison, Robert D.
Gilman, Bradley Duane
Grassmeyer, James Alan
Harvatine, Paula Ann
Heath, Kelly Duane
Heiderstadt, Kathleen Mary
Heinmiller, Lori Lynn
Hinders, Scott Lee
Hines, Thomas Grant
Ireland, Timothy John
Janecke, William David
Jansen, Mark Alan

Johnson, Jadid Shawn
Jones, Matthew Eric
Jung, Tanja Allene
Kantorosinski, Sonya
Keehn, Vaiva Ruta
Kelling, Clayton Lynn
Kirkland, Timothy Alan
Kraklio, Mark Allen
Kudej, Raymond Kenneth
Kuehl, Bradley Dean
Kunkle, Robert Allen
Lafeber, Theodore J.
Lancaster, Leslie Ann
Larson, Lauri Jo
Larson, Leon August
Lassiter, Kay Denise
Leinen, Mark Allen
Lovaas, Kathy Lynn
Ludemann, Larry Robert
Maixner, Jean Marie
Marshall, Cynthia Lee
Marty, Gary Dale
Matricia, Diane Castle
Mattson, Richard Allen
Mau, Roberta Amy
May, Ken E.
McIntosh, Julie Lavonne
Mertens, Kenneth G.
Meyer, Charles David
Mitchell, Linda Sue
Mulder, Judy Kay
Mullin, Kathleen
Neff, Tracey Lea
Nemmers, Carolyn Ann
Nicholson, Emberly Sue
O'Brien, Mary Chris
Palensky, James Wallace
Person, Michael John
Piper, Jeffrey Gene
Pottebaum, James Arthur
Prieksat, Paul Stephen
Pries, John Herbert

Quandt, Jane Ellen
Quinlan, Anthony James
Reiter, Michael Thomas
Reuber, Mark Allan
Robinson, Ralph William
Ross, Jeffrey Todd
Ruppert, Debra Jane
Saltzman, Victor Dean
Santen, Douglas Richard
Scheib, Teresa Arlene
Schipporeit, Elizabeth Ann
Schmitt, Beverly Jean
Schmitz, Steve Douglas
Schrum, Lisa Ann
Setlock, Bruce Patrick
Sievers, Scott James
Silver, Stuart Duane
Smith, Daniel William
Smith, Kermit David
Smith, Matthew Grant
Stalberger, Robert Joseph
Steffen, David Joseph
Steinbronn, Jerald Thomas
Stelling, David Wilhelm
Stevens, Kathy June
Stine, Douglas Lee
Stuckel, Julie Ann
Stump, Susan Michelle
Thoma, Susan Mary
Thorsen, Cameo Edmonds
Todd, Michael Dean
Turner, Kelly John
Upton, Dean Bentley
VanderWel, Cornelis Willem
Verderosa, Anthony R.
Villm, Timothy Paul
Voss, Sandra Ellen
Wallrichs, Thomas Alan
Wellborn, Santford Green
Wickham, Steven John
Young, Stephen Kent
Zomermaand, Gawen Lee

Scholarships and Awards—Spring 1983

AWARDS BASED PRIMARILY ON ACADEMIC ACHIEVEMENT

College of Veterinary Medicine Challenge Fund Academic Excellence Awards—based on class rank.

VM I tie for 1st—\$240 each:

Stephen J. Dullard
Raymond O. Goodroad
Jay E. Kirkpatrick
Mark A. Klopfenstein
Nena J. Winand

VM II tie for 1st—\$625 each:

Thomas L. Pollock
Gregory P. VerHeul
3rd—\$300—Janet L. Messner

VMIII

1st—\$1000—David C. Earsom
2nd—\$750—Patricia A. Erickson
3rd—\$500—Richard L. Brown

ISU Veterinary Medicine Alumni Association Scholarship—to the senior student with the highest scholastic average in the class.

VM IV—\$250 and a statuette—Alan C. Younkin

Dr. Margaret W. Sloss Memorial Scholarship—based on outstanding scholarship and for contribution to the college and students.

VM III—\$2500—Linda S. Hansen

Merck Veterinary Manual Award—for outstanding academic achievement.

VM III—Merck Veterinary Manual—David C. Earsom
VM IV—Merck Veterinary Manual—Susan M. Kimm

AWARDS BASED PRIMARILY ON FACTORS OTHER THAN GRADE POINT OR FINANCIAL NEED

College of Veterinary Medicine Challenge Fund Service Awards—based on service to the class, college, and profession; nominated by peers.

VMI—\$500 each:

Michael D. Koob
Carla L. McKenzie

VM II—\$500 each:

Gregory J. Brookhouser
Paul A. Chace

VM III—\$500 each:

Peter C. Chenevert
J. Todd Minor

ISU Veterinary Medicine Alumni Association "Gentle Doctor" Award—based on exemplification of the ideals of the veterinary medical profession; nominated by peers.

VM IV—\$250 and a statuette—Debra M. Miller

Award of the Auxiliary to the AVMA—based on advancement of the prestige of the College of Veterinary Medicine on the ISU campus; nominated by peers.

VM IV—\$100—Theresa L. Beguin

Charles Steele Memorial Award—based on contribution to the welfare of classmates.

VM II—\$25—Andrew J. Cross

Paul F. Starch Phi Zeta Award—based on leadership, interest, and character.

VM I—\$100—Brian W. Caldwell

Dubuque County Veterinary Medical Society Award—based on interest in private practice.

VM III—\$150—Jeffrey W. Rolwes

Walnut Grove Products Company Award—based on interest and ability in the area of large animal nutrition and professional attitude.

VM III—\$600—Terry A. Trepel

G. G. Graham Prizes—based on scholarship, aptitude, and general adaptability in clinical medicine.

VM IV—\$1000 each:

Emery W. Field (Large Animal)
Kurt J. Kenny (Small Animal)

Riser Small Animal Award—based on proficiency and interest in small animal medicine and surgery.

VM IV—wristwatch—Louis J. Gelfand

Southeast Iowa Kennel Club, Inc. Award—based on interest in small animal practice.

VM II—\$250—Denise M. Sofranko

Arthur B. Lederer Memorial Award—based on humanism and interest in pet practice.

VM IV—\$100—Toby J. Kimm.

Pals Veterinary Food Hygiene Award—based on interest and proficiency in veterinary food hygiene.

VM IV—wristwatch—Janet L. Deuel

A.A.H.A. Student Award—based on clinical proficiency in small animal medicine and surgery.

VM IV—\$100 and plaque—Edward J. Fleming

Ralph O. Fuehring Memorial Scholarship—based on care and consideration for small animals.

VM III—\$600—Jarrett N. Schmit

Dr. O. J. Mayfield Veterinary Medicine Award

VM II—\$100—Mary K. Christ

Bullis Scholarship in Avian Medicine—based on interest in pursuing avian medicine as a career.

VM III—\$2000—Paul J. Hauer

Feline Practitioners Award—based on outstanding ability in feline medicine.

VM IV—plaque and two years paid membership—Alan C. Younkin

Dr. Timothy Christophersen Memorial Scholarship—based on nominations by VM III students considering humanitarianism, scholarship, integrity, advocacy for classmates, college, and profession.

VM III—\$500—Alan A. Cords

Iowa Veterinary Medical Association Auxiliary Award—based on outstanding ability in clinical practice.

VM IV—\$100—Ginger H. Kline

Harval Prize for Pharmacology—based on outstanding ability in clinical pharmacology.

VM IV—\$25—Keith W. Schonewill

Tom Huertter Memorial Award—based on integrity, scholarship, and need.

VM I—\$100—Phillip W. Jardon

Oris P. Idsvoog Memorial Award—based on integrity, interest in large animal medicine and surgery, scholastic aptitude, and need.

VM IV—\$200—Michael L. Harvey

Hill's Pet Products, Inc. Award—based on interest, knowledge, and proficiency in clinically applying nutritional controls to the diagnosis, treatment, and management of diseases of pet animals.

VM IV—\$500 and a plaque—Carol S. Uphoff

The Charles J. Schena Prize

VM II—Textbook of up to \$75—Paul E. Yeske

The Terry B. Kislingbury Prize

VM II—textbook of up to \$75—Craig J. Haddy

Diamond Scholarship Award—based on scholarship and financial need.

VM II—\$500—Leslie G. Huck

Dr. Carl G. Spencer Scholarship—based on interest in pursuing a career in bovine and ovine medicine with consideration of academic excellence and financial need.

VM III—\$1000—Gary L. Straight

F. K. Ramsey Scholarship for Academic Excellence—based on outstanding leadership qualities, academic performance, and contributions to the College of Veterinary Medicine and to students.

VM II—\$1000—Judy K. Holding

Jerry P. Kunesh Award—based on a farm background with primary interest in food animal practice with emphasis on swine: top 50% of class.

VM II—\$500 each:

Scott P. Taylor

Irvin L. Zook

Janice M. Clark Memorial Scholarship—based on interest in the care of small animals and financial need.

VM III—\$75—Sara Elizabeth Balzer

James K. Olberding Scholarship—to a VM III student who has not received any other scholarship but demonstrates ability and need.

VM III—\$250—D. Gale Salmon

George Fowler Memorial Scholarship—to two Iowa residents with the highest qualifications of those admitted to the College of Veterinary Medicine.

Entering VM I—\$200 each:
Jerald Steinbronn
Sonya Kantorosinski

Ak-Sar-Ben Award—based on aptitude and interest in equine practice.

VM III—summer job at Ak-Sar-Ben race track—Robin D. Kirkner

AWARDS BASED PRIMARILY ON FINANCIAL NEED AND ACADEMIC ACHIEVEMENT

Allen Products Company Scholarship—based on financial need and demonstrated ability to work within the veterinary discipline.

VM II—\$1000—Jeffrey A. Dietrich
VM III—\$1000—Mary P. Hopkins

Charles Pfizer and Company Award—based on financial need, scholarship and leadership.

VM III—\$500—Rosalie A. Jorgenson

Lane-Wells Scholarship

VM III—\$552 each:
Jane A. Clark Soper
William J. Schultz

George W. Catt Memorial Scholarship—to partially relieve the need for self-support and allow for participation in worthwhile activities.

VM III—\$552 each:
Colleen Y. Erbel
Cheryl L. Haass
Kristy K. Miller

Frank Walsh Memorial Scholarship

VM I—\$500 each:
Jessica Chirco
Michael W. Yanda
VM II—\$500 each:
Leah E. Moore
Gary E. Stevens
VM III—\$500 each:
Dean E. Christianson
Jeffrey Zimmerman

Nelson Laboratories, Inc. Scholarship—resident tuition for one year.

VM II—\$2450—Paul E. Ryan

Keomah Kennel Club Scholarship—based on need and ability.

VM II—\$300—Patrick J. Denny

Hawkeye Kennel Club Award—based on need, interest in small animal medicine and surgery, and scholastic aptitude.

VM II—\$200—Mary A. Ebert

Christian Petersen Memorial Scholarship

VM I—\$500 each:
Joy L. Schlichting
Raymond O. Goodroad
Dallas E. Dinkla

J. L. Chatterton Memorial Scholarship

VM I—\$333—David A. Schlapkohl
VM II—\$333—Paul W. Snyder
VM III—\$333—Barbara E. Stewart-Brown

Dubuque Kennel Club, Inc. Award—based on need, interest in small animal practice, character, scholarship, and proximity of home to Dubuque.

VM III—\$500—Gerald C. Adams

ISU SCAVMA Auxiliary Award

VM II—\$100 gift certificate from VISCO—
Monte Fuhrman

Virginia Pet Clinic Scholarship—to a student with a family.

VM II—\$250—Paul R. Cooper

College of Veterinary Medicine Challenge Fund Financial Need Awards

VM I—\$500—Mark R. Ackermann
VM II—\$500—Richard M. J. Kesler
VM III—\$500—Linda M. Ormodt

The Krichel, Father and Son, Scholarship

VM I—\$500—James L. Romkema
VM II—\$500—John J. Schiltz
VM III—\$500—Christine L. Stroberg

Welcome, New Faculty

Veterinary Anatomy

William B. Forsythe—Adjunct Instructor

Veterinary Clinical Sciences

Barbara A. Selcer—Assistant Professor

Robert D. Barstad—Adjunct Instructor (Resident)

Martha L. Buttrick—Adjunct Instructor (Intern)

Dennis R. Chinn—Adjunct Instructor (Resident)

Mary E. Gasiorowski—Adjunct Instructor (Intern)

David W. Ramey—Adjunct Instructor (Intern)

Kay L. Schwink—Adjunct Instructor (Resident)

Veterinary Microbiology and Preventive Medicine

Albert Ogunkoya—Adjunct Instructor

Veterinary Pathology

David C. Morfitt—Adjunct Instructor

Veterinary Physiology and Pharmacology

Michael J. Taylor—Associate Professor

Kazuyuki Murase—Postdoctoral Associate

Veterinary Medical Research Institute

Daniel L. Rock—Assistant Professor (temporary)

Michael J. Wannemuehler—Assistant Professor

Diane Hammitt—Adjunct Instructor

Clayton L. Kelling—Postdoctoral Associate

Vicki J. Rapp—Predoctoral Associate

Veterinary Diagnostic Laboratory

Gary D. Osweiler—Professor

Stanley W. Casteel—Postdoctoral (DVM) Associate

William O. Cook—Postdoctoral (DVM) Associate

David R. Kinker—Predoctoral Associate

Veterinary Medicine Extension

Nolan R. Hartwig—Professor



Current Research at ISU

Editor's note: below is a summary list of current research projects where the principal investigator is in the College of Veterinary Medicine, and the funds are administered in this college. These projects represent a total expenditure of \$4,840,711 for fiscal year 1982. There are faculty members in the College of Veterinary Medicine who are working on projects funded through other colleges. Those research projects are not included on this list.

VETERINARY ANATOMY

Dr. D. R. Adams:

- Alteration of the microvasculature of the nasal mucosa of pigs affected with atrophic rhinitis.
- Morphological evaluation of the lungs from twenty stump-tailed macaques.

Dr. J. R. Carithers:

- Role of periventricular tissue of the forebrain in maintenance of body fluid homeostasis.
- The role of the anteroventral 3rd ventricle (AV3V) and associated areas in body fluid and electrolyte homeostasis.
- Metabolic mapping of central pressor and depressor systems.

Dr. C. D. Jacobson:

- Influence of the steroidal environment on the morphologic differentiation and development of a component of the CNS.
- Steroids and the differentiation of the preoptic area.

Dr. E. Uemura:

- Neuropathological and functional toxicity of halothane.
- Neuropathological studies on age-related lesions.

BIOMEDICAL ENGINEERING

Dr. R. T. Greer:

- Development of hydrogel drug delivery system for bovine keratoconjunctivitis.

VETERINARY CLINICAL SCIENCES

Dr. P. G. Eness:

- Epidemiological study of paratuberculosis in sheep and goats.

Dr. L. E. Evans:

- Testicular degeneration in boars in minimal housing during winter conditions.

Dr. R. M. Genetzky:

- Comparison of therapies for foal pneumonia.

Dr. R. L. Grier:

- Evaluation of a potential immuno-therapeutic agent using pets with cancer as a clinical model.

Dr. W. J. Owen:

- Johne's Disease.

Dr. W. M. Wass:

- Rumenitis in feedlot cattle.

VETERINARY DIAGNOSTIC LABORATORY

Dr. J. J. Andrews

- *Haemophilus somnus* pneumonia of cattle: development of a laboratory model.

Dr. T. L. Carson:

- Health effects of carbon monoxide on swine.
- Protocol for evaluating the relationship between dietary intake levels of acephate R and resulting cholinesterase levels and the whole body residues in pigeons.

Dr. G. N. Daniels:

- Necroproliferative ileitis of pigs: effect of Vitamin B deficiency on lesions produced by *Campylobacter sputorum*.

Dr. L. C. Hoffman:

- *Haemophilus pleuropneumonia* infection of swine: clinical signs, bacteriologic findings, and antibody titers in vaccinated and non-vaccinated swine.

Dr. W. E. Lloyd:

- Impact of emissions on ecosystems in the vicinity of a molybdenum conversion plant in Lee County, Iowa.

Dr. G. D. Osweiler:

- Clinical and pathologic evaluation of triclopyr in ponies.

Dr. H. M. Stahr:

- Development of improved and simplified methods for trichothescene mycotoxins.

VETERINARY MICROBIOLOGY & PREVENTIVE MEDICINE

Dr. G. W. Beran

- *Campylobacter* research.
- World Health Organization coordinated program on rabies control.

Dr. M. L. Kaeberle:

- Immunosuppression in Bovine Viral Diarrhea.
- *Corynebacterium equi* pneumonia in foals.
- Immunomodulators in cattle.
- Interaction of *Corynebacterium equi* with equine host defense mechanisms.
- *Pasteurella* subunit.
- Phagocytic function of bovine lung cells.

J. M. Kinyon

- In vitro susceptibility testing.

Dr. T. T. Kramer:

- Epidemiology of *Campylobacter fetus* subspecies *jejuni*.
- In vitro selection of avirulent immunogenic *Salmonella choleraesuis*.

Dr. K. B. Platt:

- Development of a pseudorabies subunit vaccine.
- Evaluation and refinement of two antigen delivery systems for pseudorabies subunit vaccine.

Dr. J. A. Roth:

- Modulation of neutrophil function in Bovine Respiratory Disease.
- Pfizer evaluation of CP 20,961 as an immune defense activator in cattle.

Dr. C. O. Thoen:

- Bovine tuberculosis immunoassay.
- Enzyme immunoassay for Brucellosis.
- Mycobacterial diseases in cattle and swine.
- Paratuberculosis: development and evaluation of an enzyme immunoassay.
- Swine tuberculosis serodiagnostic test.

Dr. G. N. Woode:

- Calf and lamb viral enteritis.
- Etiology and control of viral enteritis of calves: vaccine development.
- Research support for work on rotavirus isolates.

VETERINARY PATHOLOGY

Dr. L. H. Arp:

- Pathogenesis of respiratory disease of turkeys caused by *Alcaligenes faecalis*.
- Effects of anti-pilus antibody on the clearance of virulent *Escherichia coli* from blood of turkeys.

Dr. J. A. Jarvinen:

- Investigations on immunity in swine coccidiosis.

Dr. J. P. Kluge:

- Aujeszky's Disease of swine (latent infections).
- Pseudorabies.

Dr. A. E. Ledet:

- Erythrocytic and hemostatic parameters of anemic neonatal pigs.

Dr. L. D. Miller:

- Control of bovine leukemia virus infection and studies on pathogenesis in infected cattle.

Dr. H. W. Moon:

- Calf Scours and Cryptosporidiosis.

Dr. R. K. Myers:

- The effect of humoral immunity in turkeys challenged by aerosol of *Escherichia coli*.

Dr. J. F. L. Pohlenz:

- Weak calf syndrome due to *Cryptosporidia*: immunity and growth of the agent in vitro.
- Epidemiologic and pathologic investigations of Swine Dysentery.
- Necroproliferative enteritis in swine.

Dr. D. W. Trampel:

- Laboratory reproduction of turkey parvovirus.

VETERINARY MEDICAL RESEARCH INSTITUTE

Dr. P. M. Gough:

- Bovine Viral Diarrhea.
- Disease potential of rabies virus contracted by ingestion.
- Transmissible Gastroenteritis (TGE) virus and identification.

Dr. M. S. Hofstad:

- Research on Turkey Coryza.
- Respiratory diseases of poultry.

Dr. E. L. Jeska:

- Effect of phospholipids upon clearance of bacteria by porcine alveolar macrophages.

Dr. P. A. Martin:

- Early induction of farrowing.
- Effect of fenprostalene in swine.
- Effect of glucocorticoids and early induction of farrowing on piglet performance.
- Effect of inhibition of steroid synthesis in the pig.
- Induction and parturition in the sow.

Dr. D. E. Reed:

- Biologos and miscellaneous evaluations.
- Bovine Respiratory Disease.
- Isolation of the immunizing subunit of Infec-

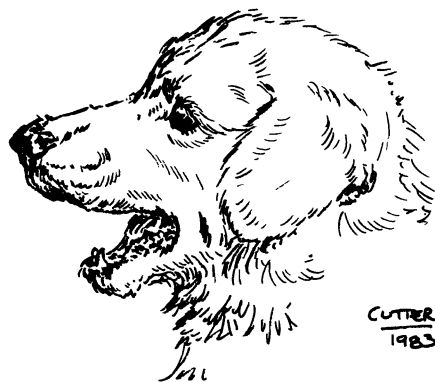


- tious Bovine Rhinotracheitis (IBR) virus.
 – Respiratory diseases of cattle.
 Dr. R. F. Rosenbusch:
 – Infectious bovine keratoconjunctivitis (Pinkeye).
 – Mycoplasmal conjunctivitis in cattle.
 Dr. R. F. Ross:
 – Development of a vaccine for mycoplasmal pneumonia of swine.
 – Diagnostic methods for mycoplasmal pneumonia of swine.
 – Efficacy of AIV for treatment of naturally-occurring mycoplasmal pneumonia.
 – Immunoprophylaxis against *Mycoplasma hyopneumoniae* in swine.
 – Levamisole for control of coliform mastitis in the sow.
 – Mecadox/terramycin combination efficacy against induced swine pneumonia.
 – Pathogenesis of mycoplasmal pneumonia of swine.
 – Swine Pneumonia.
 – Tiamulin soluble powder for the treatment of mycoplasmal pneumonia of swine.
 Dr. S. Targowski:
 – Experimentally induced mucoid enteritis in rabbits.
 Dr. W. J. Zimmermann:
 – Comparative pathogenicity of *Toxoplasma gondii* in farm animals.
 – Prevalence and control of zoonotic parasites in meats and meat animals.
 – The effect of freezing on viability of *Trichinella spiralis* in pork.
 – Trichinosis and certain other parasites in pork and products containing pork.

VETERINARY PHYSIOLOGY AND PHARMACOLOGY

- Dr. F. A. Ahrens:
 – Studies on the mechanism of lead-induced brain edema.
 Dr. M. H. Crump:
 – Effects of post-weaning diarrhea on volatile fatty acids, pH, and eH of pig large intestine.
 Dr. D. C. Dyer:
 – Pharmacokinetics of chlortetracycline in normal and infected (*Pasteurella multocida*) turkeys.
 Dr. R. L. Engen:
 – Effects of ethanol consumption on pulmonary vasculature.
 – Phospholipid content of bovine lung surfactant.

- Pulmonary phospholipid development in gnotobiotic and conventional swine.
 Dr. F. B. Hembrough:
 – Pancreatic activated plasma: study of a low molecular weight substance.
 Dr. W. H. Hsu:
 – Studies on amitraz-induced mydriasis in rats.
 Dr. M. H. Pineda:
 – Detection and determination of factors responsible for embryonic death.
 Dr. M. J. Randic:
 – Pharmacological studies of the spinal dorsal horn.
 – Role of peptides in central processing and pain modulation. A study using animal models.
 Dr. W. O. Reece:
 – A study of acid-base balance and selected hematologic and plasma variables in calves nursing cows from birth to 15 weeks of age.
 – Adjustment of blood pH and plasma bicarbonate concentration in calves by the addition of sodium bicarbonate to milk replacer.
 – The influence of iron injection on red blood cells and weight gain in beef calves nursing their own mothers from birth to 15 weeks of age.
 Dr. W. G. VanMeter:
 – Responses of cholinergic and non-cholinergic renshaw cell receptors after acute and chronic exposure to anticholinesterases.



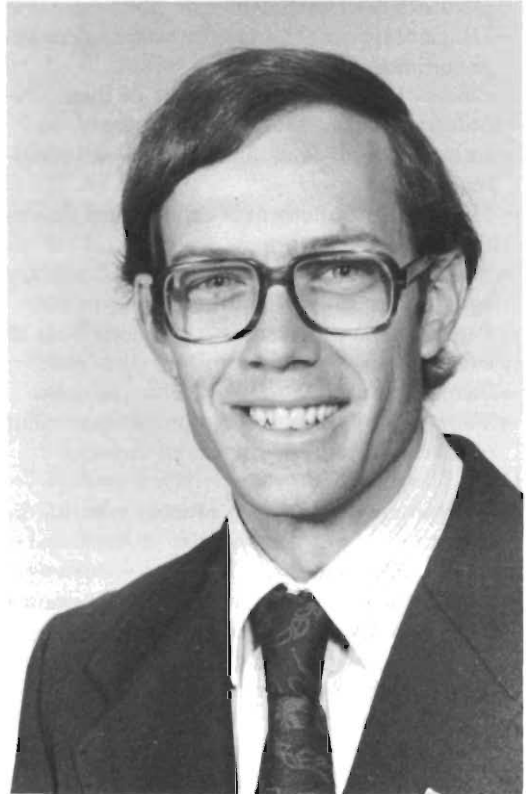
1983 Norden Distinguished Teacher

The 1983 Norden Distinguished Teacher Award was presented to Dr. James A. Roth at the Awards Banquet last April. Norden Laboratories annually presents the award to a faculty member, chosen by students and fellow faculty members, for his/her contribution to veterinary education.

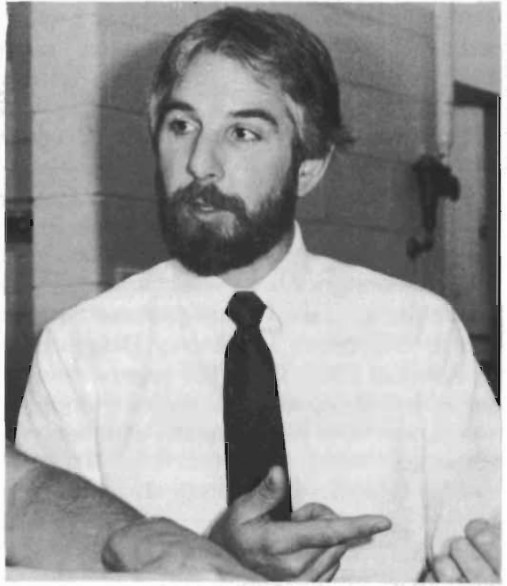
Dr. Roth received his D.V.M. from Iowa State University in 1975. He earned his M.S. in Veterinary Microbiology in 1979, followed by his Ph.D. in 1981. Both advanced degrees were also from Iowa State University.

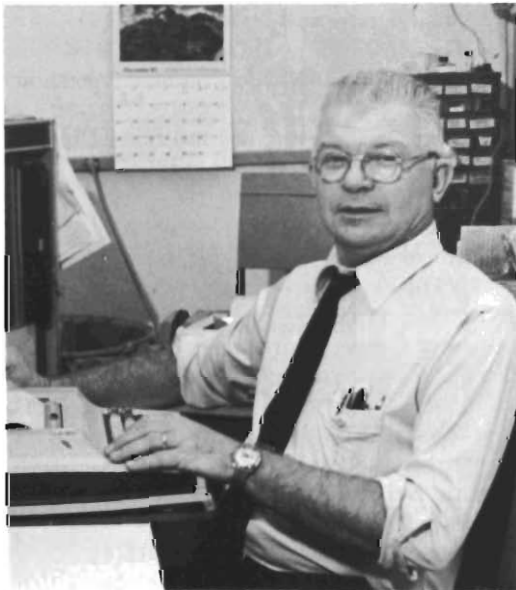
After graduation, Dr. Roth was a practicing veterinarian in a mixed veterinary practice in Belle Plaine, Iowa. He joined the Iowa State University faculty in 1977 as an adjunct instructor in the Department of Veterinary Microbiology and Preventive Medicine, and became an instructor in 1979. Dr. Roth became an associate professor in 1983.

Dr. Roth is a Diplomate to the American College of Veterinary Microbiologists. He is a member of the AVMA, American Society for Microbiology, American Association of Veterinary Immunologists, Conference of Research Workers in Animal Diseases, The Reticuloendothelial Society, Phi Zeta, Phi Kappa Phi, and Gamma Sigma Delta. He also serves on several university and College of Veterinary Medicine councils and committees. His research interests include immunosuppression, stress, and bovine respiratory diseases. Dr. Roth has numerous publications and current submissions in professional journals, and has been awarded several research grants. He lives in Ames with his wife, Jeanne, and their children, Claire, 7, and David, 3.



Dr. James A. Roth





Diagnostic Laboratory Pictorial

Page 152: Drs. G. Daniels, T. Carson
L. Hoffman, G. Osweiler
H. Hill, D. Hopper

Page 153: Drs. W. Kernan, V. Seaton
D. Larson, J. Andrews, J.
Holter
M. Stahr

Photography by Debi Stambaugh, RBP
Biomedical Communications