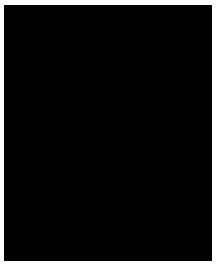
ASASYNOPSIS

SERVING HUMAN NEEDS THROUGH ANIMAL AGRICULTURE FALL 1997

FROM THE PRESIDENT

NASHVILLE MEETING HIGHLIGHTS



The 89th Annual Meeting of ASAS in Nashville was a great success. The quality of the papers, the physical arrangements, and the facilities were excellent. The "Southern hospitality" exhibited by the hosts at the University of Tennessee, Tennessee State University, the Renaissance Hotel, and the Nashville Convention Center certainly kept us "in tune and in harmony." The attendance was almost 1,800 and, even though abstract numbers were down a bit, participants commented numerous times about how good the symposia and the sessions were. I want to thank our entire ASAS staff in Savoy for their efforts to help make the meeting a success.

The Opening Session speaker, Peter Sandman, was very well received and we appreciate the ASAS Foundation's support of that successful event. The Foundation had a major success with the announcement of a significant donation by Dr. Harold Hafs. The efforts of the Foundation represent a major focus for the future and will increasingly provide a significant support base for the Society.

A list of the recipients of the several awards is found in this issue of the newsletter. We had a great slate of awardees and are proud of all of their tremendous accomplishments. We also celebrated the fact that the American Feed Industry Association (AFIA) has provided support for awards for 50 years! Thanks again, AFIA, for your confidence and your statement of the importance of what ASAS members do for animal agriculture.

FASS IS A REALITY

The Federation of Animal Science Societies is set to become a reality on January 1, 1998. The boards of ASAS and ADSA held open forums to provide information and input, and based on that input recommended unanimously that these societies become founding members. The Poultry Science Association voted overwhelmingly at their business meeting to do the same. Therefore, the three societies will begin the process of forming FASS. Each society will have three members on the FASS Board of Directors. The representatives appointed by the ASAS Board are Past President Barbara Glenn and former Presidents Dennis Marple and Elton Aberle.

Part of the restructuring that will occur in the formation of FASS is the appointment of an Executive Director of ASAS, to be located in the Savoy office. A national search will be conducted for this position, which will absorb the current position of Director of Educational Services. It is intended that the Executive Director be "on board" when FASS officially forms in January.

The current position of Executive Vice President, occupied by Bob Zimbelman, will be restructured to the FASS Executive Vice President for Scientific Liaison. Bob will occupy that position for an initial appointment of one year of FASS operation. The FASS Executive Vice President for Administration will be Charles Sapp, in Savoy, for an initial appointment of two years. Subsequent reappointment for both of these positions is possible.

In addition to providing a unified voice for animal agriculture, FASS will provide significant opportunity for fiscal efficiency for all of the member societies.

I want to thank all those who

helped make FASS a reality.

DENVER, HERE WE COME!

We are looking forward to a super joint meeting with ADSA in Denver in 1998. The program planning is well underway, with Les Hansen (U. Minnesota, overall chairperson) and ASAS program chair Jeff Armstrong (Purdue, co-chairperson) taking the lead. We look for innovative programming and a top-quality meeting.

SCIENCE AND OTHER ISSUES

We are pleased to see that animal agriculture has made some relative gains in federal funding. Much work has gone into this effort and it seems to be paying off, at least for now. When we consider the opportunities for gains in funding through the Fund for Rural America, especially in areas associated with environmental issues (which include nutrition, physiology, and animal health as well as management), and the prospects for federal funding (and possibly some state funding) for genomic research, there are bright spots. There also are opportunities for improvement in the position of animal products in the food supply by improving product uniformity (we have a long way to go), composition (especially fat), and food safety. The latter is emphasized by a major ground beef recall due to the possibility of pathogen contamination. We must be concerned with the entire production, processing, and marketing (which includes the quality control process) and must have the highest standards for product safety throughout the entire production and processing chain.

Continued on next page

ASAS Committee Appointments

We continue to learn from experiences, and this has been a year of experiences for me! I have found that there are some opportunities to improve the process by which we appoint the committees of ASAS. That is especially important when we are in the process of planning a joint meeting in 1998. I ask that each of you consider volunteering to serve on ASAS committees and to nominate colleagues to be considered for committee assignments. The process is handled by the President-Elect, and a call for volunteers and nominations will come out soon. I already have alerted department heads/chairs about the need for greater input. Let's help Terry Klopfenstein this year. One thing that *all* of us can do is be *sure* the information in the ASAS Directory is correct as far as address, telephone, fax, and E-mail addresses are concerned. There are many changes in area codes, and many of your E-mail addresses are wrong. Please look in the directory and let the office in Savoy know if there are changes needed. Same for the electronic membership directory. An updated directory will save a great amount of time when we try to communicate with one another.

Electronic Journal

The use of the electronic access to the *Journal* has grown faster than anyone anticipated. We have excellent individuals in the Savoy office, led by Greg Martin, who have provided the support and leadership for that development along with Editor-in-Chief Greg Lewis.

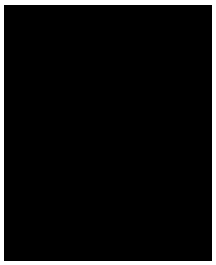
Finally, I invite you to send me your comments and suggestions on how ASAS can better serve you. My E-mail address is: leonard_bull@ncsu.edu. I hope to hear from you.

Leonard Bull

1998 Trip Winner Chosen

Congratulations to Beth Wheeler, Ontario Ministry Agriculture and Food, the winner of the trip to the 1998 ADSA-ASAS Joint Meeting in Denver, Colorado. Her entry was randomly drawn from more than 1000 entries at the 1997 ASAS Annual Meeting in Nashville. Wheeler will receive airfare, accommodations, and meeting registration.

From the Executive Vice President



Research Title Reauthorization Receiving Much Attention

The 1996 Farm Bill reauthorized the Research Title for only one year in order to give it primary consideration independent of other issues that were usually controversial. This strategy seems to have worked well and research is getting its "day in the sun" to an extent not seen for at least 20 years.

First hearings were in the Senate, and Bob Cassens testified for FASFAS. Then the House Agriculture Committee had four hearings, and the Animal Ag Coalition testified at the last one. CoFARM submitted written testimony to the Senate and the House. At this point the Senate Ag Committee has approved their version and the House is expected to do theirs after the August recess.

I would like to emphasize four key concepts in the Senate version. (1) Peer and merit review for both research and extension activities, including those of the Agricultural Research Service, would be mandatory. (2) Federal funds would be limited to programs of national or multistate significance. This should be useful in instances in which states wish to cooperate in programs for which there is insufficient local support (e.g., the recently announced Northeast University Coalition on Dairy Programs). (3) Research and extension would be integrated in an attempt to bring to fruition the recent USDA reorganization along those lines. (4) Efforts, especially in the application of fundamental research to solve producer and other customer problems, would be multidisciplinary.

There were two especially prominent issues that were pushed by some powerful forces: precision agriculture and National Food Genome Strategy. Although there is broad support for precision agriculture, the initial effort was to require that National Research Initiative programs all relate to precision ag. We thought that would be an impediment to animal programs, food safety, and others, and it has now been moved to a section on new programs. The Genome Strategy was pushed mainly by the National Corn Growers because of concern that private seed firms were charging ahead of the public investment. That also is listed in the Senate bill as a new program. We are trying to ensure that animals and other crops also benefit from the program.

The newly established Advisory Board for USDA/REE (Research, Education, and Economics) also receives some attention in the Senate bill. The focus seems to be to ensure representation of private interests, especially food producers. On the current board, one position is for animal science organizations. The person currently holding that position is Dr. Zerle Carpenter at Texas A&M University. Zerle has indicated that he is willing to receive input from any of you on issues pertinent to the Advisory Board. His phone number is 409/845-7967 and his E-mail address is Z-Carpenter@tamu.edu.

Of most interest is a section on a special "Initiative for the Future." this calls for funds from mandatory programs to be allocated to research. The mandatory programs from which these funds would come are administration of food stamp programs and the CRP program. If the Senate version is followed and the funds are made available, this could result in an added $100 million for FY 1998 and $170 million for the following four years. The House staff have indicated that they may be reluctant to follow the example of the Senate in this regard.

Robert G. Zimbelman

1998 Annual Meeting Information on Our Web Site

As information about the 1998 ASAS and ADSA Annual Meeting becomes available, we will post it to our Web site (http://www.asas.uiuc.edu). Currently we are working to post preliminary schedule and housing information. Check the site often to read new information and see any changes to previously posted items.

1997 American Society of Animal Science Awards

AFIA AWARD IN NONRUMINANT NUTRITION RESEARCH

Lee Southern is from Mt. Airy, North Carolina. He received B.S. and M.S. degrees from North Carolina State University and a Ph.D. degree from the University of Illinois. He joined Louisiana State University in 1982. Dr. Southern has conducted research on the utilization of amino acids and minerals by swine and poultry. Most recently, his laboratory reported that chromium tripicolinate increased muscling and decreased fatness in pigs. Dr. Southern previously has received the Phi Kappa Phi Award of Merit for Achievement in Science by Non-tenured Faculty, the First Mississippi Corporation Award of Excellence in the Louisiana Agricultural Experiment Station, and the Gamma Sigma Delta Research Award of Merit. He has served on the Editorial Board and as Section Editor for the *Journal of Animal Science*, and he is on the Editorial Board of *Poultry Science*. He has published 75 journal articles and numerous other publications and has obtained over $500,000 in grants. Lee is married to Denise Rossignol and they have two daughters, Michelle and Nicole.

AFIA AWARD IN RUMINANT NUTRITION RESEARCH

Neal R. Merchen was born in Bloomfield, Nebraska. He received his B.S. and M.S. degrees from the University of Nebraska and a Ph.D. degree from the University of Wisconsin. He joined the faculty of the Department of Animal Sciences at the University of Illinois in 1981. Dr. Merchen's research has focused on digestion of nitrogenous compounds by ruminants. He has conducted important research on dietary effects on net ruminal microbial protein synthesis, determination of amino acid requirements of growing cattle, and contributions of specific feeds to intestinal amino acid supply in ruminants. All of this work has been characterized by originality in concept, innovation in approach, and a high degree of technical quality. In addition, Dr. Merchen has made important contributions in improving the nutritive value of poor-quality lignocellulosics, enhancing utilization of processing by-products, and understanding beta-carotene metabolism in the preruminant calf. Dr. Merchen has also been an active servant of his institution and of ASAS. He served as Section Editor of the Rangeland, Pasture, and Forage Utilization section of the *Journal of Animal Science* from 1993 to 1996.

EXTENSION AWARD

Wayne Louis Singleton grew up on a livestock and grain farm near Oaktown, Indiana. After earning an Associate of Science degree in Agriculture at Vincennes University in 1964 and the Bachelor of Science degree in Animal Sciences from Purdue University in 1966, he obtained the M.S. degree in 1968 and Ph.D. degree in 1970 in Physiology from South Dakota State University. He joined the Purdue Animal Sciences faculty as an Extension Specialist in 1970 and was promoted to Professor in 1982. His educational efforts are in livestock reproduction with emphasis on pigs and cattle. He is an expert on artificial insemination in farm animals and has provided leadership for the nationally televised TV series on "Improving Swine Production Efficiency." Wayne has been active on committees of the American Society of Animal Science, Indiana Pork Producers Association, Beef Improvement Federation, and National Swine Improvement Federation. In addition to U.S. assignments, he has been invited to six foreign countries. Wayne's extension teaching has been recognized by several awards, including the Midwest ASAS Younger Animal Scientist Extension Award, Indiana Pork Producers Meritorious Service Award, and Purdue's prestigious Sharvelle Distinguished Extension Specialist Award.

DISTINGUISHED TEACHER AWARD

Doug Parrett was raised on a livestock and grain farm in central Illinois. He is a Professor of Animal Sciences and has had a distinguished teaching career at the University of Illinois for over 20 years. Dr. Parrett has extensive teaching responsibilities and advises undergraduates and student clubs. His teaching encompasses innovative curriculum changes, works to create new discovery learning experiences for freshmen, and enhances capstone learning opportunities for upperclassmen. For the College, he led the development of a Teaching Development Seminar Series, and in 1996 he received the University of Illinois' highest award for undergraduate teaching. The teaching techniques Doug Parrett uses are not necessarily unique or different; rather, it has been his management, and the application of enthusiasm, diligence, organization, and personal interest in students that distinguish him as a teacher. He and his wife Susan reside in Champaign with their two children, John and Anne.

ROCKEFELLER PRENTICE AWARD IN ANIMAL BREEDING AND GENETICS

Lauren L. Christian was born and reared on a farm in Iowa. He attended Iowa State College, where he earned his B.S. degree in 1958, and the University of Wisconsin, where he received his M.S in 1960 and Ph.D. in 1963. He joined Iowa State University in 1965 and advanced to Professor in 1974. Dr. Christian's research has been devoted to genetic improvement of swine. He was the first to characterize the porcine stress syndrome (PSS), which subsequently resulted in reduced losses and improved muscle quality. His crossbreeding research led to new breeding approaches. His study of feed conversion resulted in improved selection procedures. He developed methods for evaluating pig performance and indexes for performance testing. More than any other living geneticist, he developed and implemented practical pig selection methods. Dr. Christian served as major professor to 16 Ph.D. and 46 M.S. students. He has won every major teaching award at Iowa State University. He became Distinguished Professor in 1995, received the NSIF Distinguished Service Award in 1991, and in 1997 was inducted into the NPPC Hall of Fame. He and his wife, Nelda, have two children, Chandra and Russell.

ANIMAL PHYSIOLOGY AND ENDOCRINOLOGY AWARD

Keith W. Kelley received his B.S. degree from Illinois State University in 1969. He served in the Artillery Branch of the U.S. Army in Vietnam for 14 months and then continued his education at the University of Illinois, where he received his M.S. degree in 1973 and Ph.D. in 1976. After spending 8 years on the faculty at Washington State University, he joined the Department of Animal Sciences at the University of Illinois in 1984 as a Professor of Immunophysiology. Dr. Kelley's discoveries have demonstrated that the immune response is not independent of other physiological systems but is in fact interlinked with hormonal and neural control centers. Kelley and his students have published 141 refereed papers and 44 book chapters. He serves on the Editorial Boards of four highly respected peer-reviewed journals and has delivered an average of 13 invited lectures per year during each of the past 10 years. Keith and his wife, Sara, have one daughter.

MEATS RESEARCH AWARD

John C. Forrest received a B.S. degree in Animal Husbandry (1960) and M.S. degree in Meat Science (1962) from Kansas State University and a Ph.D. in Meat Science from the University of Wisconsin (1966). He accepted appointments at the University of Minnesota and Purdue University in 1966 and 1967, respectively. Dr. Forrest has been a leader in the development of computerized carcass evaluation systems to be used in performance testing of livestock and is an authority on several electronic systems of evaluation. He has developed a team of researchers to bring several disciplines together in a problem solving approach. Their work is a combination of basic and applied research and embraces principles of genetics, growth physiology, computer science, mechanical engineering, agricultural economics and meat science. John Forrest has worked to advance knowledge of meat. He is an author of many scientific publications on meat science and muscle biology. His training in fundamental areas and his ability to apply his knowledge to practical problems have made him an innovative researcher and valuable team leader at several levels in the meat industry.

ANIMAL MANAGEMENT AWARD

Harlan Ritchie was born and raised in northwest Iowa on a livestock and grain farm. After graduating from Iowa State University in 1957, he attended Michigan State University, where he earned his Ph.D. degree and accepted a teaching and research position in 1964. In 1973, his appointment was switched to extension and research. Dr. Ritchie is nationally known for his work in beef cattle improvement programs, efficiency of beef production, beef cattle dystocia, retained ownership, beef quality, food safety, and present and future trends in the beef industry. Dr. Ritchie's greatest contribution to animal management has been his perception of problems as they arise, his ability to bring people together to study the problems, and his development of educational programs to communicate solutions to the industry. His work has earned him numerous awards, including the ASAS Extension Award, ASAS Animal Industry Service Award, Michigan State's Distinguished Faculty Award, and the Saddle and Sirloin Club Portrait Award.

ANIMAL INDUSTRY SERVICE AWARD

Maynard Hogberg was born and raised in Iowa on a livestock and grain farm. He earned B.S., M.S., and Ph.D. degrees at Iowa State University. In 1976, he joined the faculty at Michigan State University, where he became recognized for his innovative work in swine extension, research, and teaching. In 1984, he was named Chairperson of the Animal Science Department. For the past 13 years, Dr. Hogberg has continued his unselfish service to animal agriculture on many fronts. He has provided important leadership to a number of swine industry initiatives, was the prime mover in Michigan's $74 million Animal Agriculture Initiative, and spearheaded the transition to interdisciplinary programming in the College of Agriculture. He led the authorship of Michigan's Manure Management Guidelines, which is used as a model for the region. He was on the planning committee for FAIR '95, and he has served on the ASAS National and Midwestern Section boards. Dr. Hogberg holds membership in ADSA, ARPAS, and CAST.

BOUFFAULT MEMORIAL AWARD IN INTERNATIONAL ANIMAL AGRICULTURE

Following training at Texas A&I University, Kingsville, and Oregon State University, Dr. **Steven Lukefahr** represented Heifer Project International in Cameroon from 1983 through 1985. There he initiated subsistence rabbit projects that currently influence over 2,500 families. The Cameroon model (one buck to five does, local materials and feedstuffs, 100 fryers per year), augmented by his "Trainer's Manual for Meat Rabbit Project Development," is applied in the Americas, Asia, Europe, and elsewhere in Africa. Steven then joined Alabama A&M University, where he founded the International Small Livestock Research Center, taught international agriculture, conducted rabbit production research, consulted with development organizations, presented training conferences, evaluated ongoing rabbit projects, and assisted scientists in 17 countries to establish rabbit research / development programs. As Professor of Animal Science at Texas A&M University-Kingsville, he continues to be a dedicated researcher, teacher, problem-solver, mentor, and humanitarian, contributing especially to the welfare of impoverished families in the developing world.

ANIMAL GROWTH AND DEVELOPMENT AWARD

Richard M. Robson received his B.S. degree in Animal Science at Iowa State University in 1964, graduating with distinction in the upper 2% of his class. He also completed his graduate work

in Biochemistry at ISU, where he held an individual competitive fellowship from the National Institutes of Health. Upon receiving his Ph.D. in 1969, Dr. Robson joined the faculty of the Department of Animal Science at the University of Illinois and set up a new laboratory for research in muscle biology. In 1972, he returned to Iowa State University as an Associate Professor in the Departments of Animal Science and Biochemistry and Biophysics and was promoted to the rank of Professor in 1977. Dr. Robson has focused his research on fundamental studies of cytoskeletal proteins and structures, with regard to their importance in both cellular growth and development of muscle cells and to the use of muscle as food. He was one of the first scientists to define the concept of the muscle cell cytoskeleton. Dr. Robson, his students, and co-workers have used an integrated approach involving a combination of biochemical, molecular biological and electron microscope techniques to discover and/or characterize cytoskeletal proteins such as α-actinin, desmin, vinculin, talin, paranemin and synemin. These proteins are believed to play critical roles in muscle cells by organizing the repeating sarcomeric units of the contractile myofibrils, linking all adjacent cellular myofibrils, and/or linking the peripheral layer of myofibrils to the sarcolemmal membrane. Dr. Robson has over 190 total research publications. He is sought as a member of research review panels, for service in several research societies, and as a speaker at national and international research conferences in both basic and applied disciplines. Dr. Robson has previously received the Distinguished Research Award of the American Meat Science Association and the Meat Research Award of the American Society of Animal Science.

MORRISON AWARD

H. Allen Tucker received a B.S. degree in Animal Husbandry from the University of Massachusetts in 1958 and M.S. and Ph.D. degrees from Rutgers in 1960 and 1963, respectively. He was appointed Assistant professor in 1962 and achieved the rank of Professor in 1975 in the Department of Animal Science at Michigan State University. Dr. Tucker is a leading authority on mammary growth, lactation, photoperiodism and secretion of prolactin and growth hormone-releasing hormone in cattle. He has published over 350 scientific papers and abstracts. He has received many awards for his teaching and research activities, including the Casida Award and the Physiology and Endocrinology Award from the American Society of Animal Science. Dr. Tucker served on the Editorial Board and was the Physiology and Endocrinology Section Editor for the *Journal of Animal Science* from 1986 to 1989. Dr. Tucker and his wife, Ann, have three sons and three grandchildren.

NEW ASAS FELLOWS

Research Category

Lee R. McDowell was born April 11, 1941, and raised on a livestock farm in upstate New York. He served as an Agriculture Peace Corps volunteer in Bolivia from 1965 to 1967. Dr. McDowell received his B.S. and M.S. degrees from the University of Georgia, and in 1971, his Ph.D. degree from Washington State University. Since 1971, he has served in the Animal Science Department at the University of Florida.

Dr. McDowell was involved in two Agency for International Development (AID) programs entitled "Latin American Tables of Feed Composition" and "Determination of Mineral Deficiencies and Toxicities for Grazing Livestock in Tropical Countries"; the latter involved collaborative research with 25 tropical countries in Latin America, Africa and Southeast Asia. To assist in designing research programs and demonstrating sample collection techniques and data interpretation, he has traveled frequently, making 222 country visits since 1971.

Dr. McDowell's research has emphasized mineral deficiencies and excesses for grazing tropical livestock, methods of mineral status evaluation and metabolism and bioavailability of vitamin E. Since 1973, he has served as a major advisor to 45 graduate student programs and four post-doctoral programs. Dr. McDowell has authored or co-authored 743 publications including 197 refereed journal articles, 183 abstracts, 10 books, 102 monographs and chapters and 120 conference proceedings. Two of his books are textbooks for graduate courses. Dr. McDowell has received the following national, regional and local (Florida) awards: 1984, Gustav Bohsted (ASAS); 1985, Professor of the year (Alpha Zeta); 1986, Research Award of Merit (Gamma Sigma Delta); 1988, International Animal Agriculture Award (ASAS); Florida International Award for Distinguished Service (Gamma Sigma Delta); 1990, Moorman Travel Fellowship; 1991, Faculty Research Award for Excellence (Sigma Xi); 1993, American Feed Industry Award (ASAS); Distinguished Service to Agriculture Award (Southern Section ASAS). In the area of mineral research for grazing livestock, he is one of the world's foremost authorities.

Teaching Category

Dale W. Weber was raised on the family farm near Geneseo, IL. He obtained a B.S. in Farm Operation at Iowa State College and then farmed, taught high school agriculture, and later worked as an agricultural representative at a local bank. In 1967, he returned to Iowa State University, where he earned his M.S. and Ph.D. degrees in Ruminant Nutrition. His first academic position was at the University of Wisconsin-River Falls, where he taught for over two years. In 1976, he accepted a position in the Department of Animal Sciences at Oregon State University, where he remains.

Dr. Weber has established himself as one of OSU's premier instructors. A primary teaching responsibility has been in the introductory animal science class. He has taught over 3,200 students in this class during the past 20 years, and he is well known for his ability to meet each student and to remember their names. Dr. Weber has also been responsible for teaching the beef production classes.

During his tenure at OSU, he has developed innovative learning experiences for his students. He established a self-learning center and has conducted several student agricultural tours, including four tours to the Midwest, and two throughout Europe. He is the head advisor for the Department of Animal Sciences and served for several years as chairman of the Teaching Committee. For his efforts and sincere concern for students, Dr. Weber has won a number of teaching and advising awards from both the College of Agricultural Sciences and University; in 1995 he received the American Society of Animal Science Distinguished Teacher Award.

Extension Category

Richard C. Bull was born in Cedaredge, CO, on November 25, 1934. As a senior at Cedaredge High School, he was chosen Outstanding Athlete in 1953. He received his B.S. and M.S. degree in animal nutrition from Colorado State University. After service in the U.S. Army as cryptologist, he continued his graduate education at Oregon State University, where he was awarded a Ph.D. in Animal Nutrition in 1966. In 1967 he joined the faculty in the Department of Animal Science at the University of Idaho and is presently Professor of Animal Nutrition.

Dr. Bull, through more than 40 years of extension, research and teaching, has made major contributions to the science of beef cattle nutrition, the animal industry, and his professional society, the American Society of Animal Science. Through his extension and research program he has been a leader in understanding and providing solutions for nutritional deficiency problems of cattle grazing on the intermountain ranges of the West. His efforts have helped numerous ranchers make intelligent decisions regarding protein supplementation of cows on winter range.

Dr. Bull's leadership to the animal industry was recognized by his peers when he was elected to serve the Western Section of ASAS as its Secretary-Treasurer, President-Elect and President. He has served ASAS as a member of the Board of Directors and a member of the *Journal of Animal Science* Editorial Board. Dr. Bull was co-chair of the 1993 American Society of Animal Science Annual Meeting in Spokane, WA.

Dick and his wife Barbara have two children, Mike and Debbie, and four grandchildren.

Administration Category

David Ames was reared on a general livestock farm in Clinton County, OH. He entered Ohio State, where he earned his B.S. and M.S. degrees in 1964 and 1966, respectively. He accepted the Ralston Purina graduate fellowship and entered Michigan State University, obtaining a Ph.D. in animal husbandry and physiology. He joined the faculty in the Department of Animal Science and Industry at Kansas State University in 1969, then assumed the Department Head position at Colorado State University in 1982, where he oversees a comprehensive program emphasizing beef cattle, sheep and horses.

Dr. Ames enjoys outdoor activities and team sports, having been a football official in the Big Eight and Big Twelve Conferences for the past 19 years.

Dr. Ames and his wife, Shirley, reside near Fort Collins.

At-Large Category

John Talmage Huber received the B.S. degree in 1956 from Arizona State University and the M.S. degree in 1958 and Ph.D. degree in 1960 from Iowa State University. He joined the faculty of Virginia Polytechnic Institute (1960 to 1967), and then Michigan State University (1967 to 1984). Dr. Huber moved to the University of Arizona in 1984. Tal Huber's research has been protein and energy utilization by ruminants. He established beneficial effects of ammonia treatment of corn silage and was awarded a patent for this work, an internationally accepted ensiling process. His research characterized limitations and adaptive mechanisms of carbohydrase digestive enzymes in pre-ruminants and addressed challenges to the use of substitute proteins in milk replacers. He demonstrated efficacy of rBST for lactating cows through four consecutive lactations and defined metabolic mechanisms and feeding regimens for high-producing dairy cows, including use of ^{15}N to determine microbial protein synthesis and endogenous N recycling; synchronization of protein and starch degradation; improved milk and milk protein yields through steam processing of grains; and interaction of heat stress with protein and fat levels and sources under Western feeding conditions. His research is documented by 145 refereed journal articles, 20 book chapters, and more than 350 abstracts and non-technical publications. His research has obtained grants of $25 million during the last 10 years. He also has trained 53 M.S. and Ph.D. students and taught many undergraduate and graduate courses in nutrition. Honors received by Tal Huber include AFIA Nutrition Research Award (ADSA, 1968), ADSA Borden Award (1984), Moorman Travel Fellowship (NFIA, 1987), ADSA Nutrition Applied Dairy Nutrition Award (1991), and the University of Arizona College of Agriculture "Research Faculty of the Year" Award (1993).

Over the past 32 years, **Paul V. Malven** has served animal agriculture through research and teaching at Purdue University. He was educated at University of Illinois (B.S., 1960) and Cornell University (Ph.D., 1964). He joined the Purdue University faculty in 1966 and was promoted to Professor in 1972. His greatest impact has been through his research involving pituitary-ovarian control of female reproduction and lactation. During the course of his research, Dr. Malven has published 143 refereed papers and 101 scientific abstracts. He has served as major professor for 15 Ph.D. and 12 M.S. students as well as serving on the advisory committee for 47 other graduate students. In 1993, Paul was named the Frederick N. Andrews Distinguished Professor at Purdue University.

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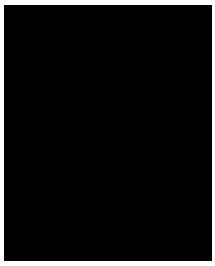
Rodney L. Preston received his B.S. from Colorado State in 1953 and his M.S. and Ph.D. degrees from Iowa State in 1955 and 1957. He has served on the Animal Science faculties at the University of Missouri, Ohio State University and Washington State University. He retired from Texas Tech as Thornton Chair and Horn Distinguished Professor.

Dr. Preston received the Junior Faculty Member Award at Missouri in 1964, an NIH Fellowship in 1964, the Texas Tech Agriculture Sciences Research Award in 1989, the Rushing Faculty Distinguished Research Award in 1990, and the ASAS Animal Industry Service Award in 1996. He has served ASAS as Board Member, President, and Section Editor.

Dr. Preston's research areas included protein nutrition, body composition and anabolic agents in beef cattle. He is author/coauthor of 650 technical publications. He has been the advisor for 33 graduate students.

Rodney and his wife Barbara have two daughters, one son, eight grandchildren and one great- grandchild.

From the Congressional Science Fellow



Update on the Agricultural Research, Extension and Education Reform Act of 1997

Major reform of federal farm programs occurred in the Federal Agriculture Improvement and Reform Act of 1996. However, agricultural research, extension and education programs were only authorized through September 30, 1997. Therefore, the Senate Committee on Agriculture, Nutrition and Forestry held four hearings in March to review the U.S. agricultural research system in preparation for legislation to reauthorize the agricultural research, extension and education programs. During these hearings, representatives from several scientific societies provided their opinions on the structure of the U.S. agricultural research, education and extension system and how it should meet the research and scientific challenges of the next century. I would specifically like to mention and thank Dr. Robert G. Cassens, Professor Emeritus of the Department of Animal Sciences at the University of Wisconsin, for providing excellent testimony on behalf of the Federation of American Societies of Food Animal Sciences. Additionally, testimony was provided by individuals representing the Council for Agricultural Science and Technology; the Council of Scientific Society Presidents; the American Society of Plant Physiologists; the American Society of Agronomy, the Crop Science Society of America and the Soil Science Society of America; and the Institute of Food Technologists.

The Agricultural Research, Extension and Education Reform Act of 1997 (Senate bill S. 1150), proposed by Committee Chairman Senator Lugar and Ranking Member Senator Harkin was voted on and passed unanimously by the Senate Agricultural Committee in July and will be brought before the full Senate in the upcoming weeks. The House Agriculture Committee is currently drafting their version of the bill to reflect the changes that House members believe need to be made. I am hopeful that the resulting House bill will move quickly through the House and that the two bills (Senate and House versions) will make it to conference prior to January 1998.

In addition to requiring the Secretary of Agriculture to establish priorities for agricultural research, the Senate bill makes a few substantive changes in the practical operation of the nation's agricultural research, extension and education system.

(1) The bill would create a new funding mechanism of $170 million per year to be competitively awarded. Funds would address critical emerging issues related to future food production, environmental protection, and farm income. Primary mission areas to be addressed with funding in the first year would be food genome; food safety, food technology and human nutrition research; new and alternative uses and production of agricultural commodities and products; agricultural biotechnology; and natural resource management including precision agriculture.

(2) The Fund for Rural America would be extended to 2002, with annual appropriations of $50 million for rural development, $33 million for research, and $17 million set aside for the Secretary's discretion (either research or rural development).

(3) At least 25% of federal research formula funding to land grant institutions would be devoted to multi- institutional research that is multidisciplinary and addresses problems that concern more than one state. For extension formula funds, states would be called upon to double their current level or to spend 25% of federal extension formula funds on multistate extension activities that address problems that concern more than one state, whichever is less.

(4) All federal research, extension and education funding would be subject to scientific peer review or merit review.

(5) Stakeholder input would be required when setting priorities for research, extension and education funding at the Department of Agriculture and at land grant institutions.

This is but a brief summation. If anyone would like additional information on this or other issues, please contact me through E-mail at Ellen_Bergfeld@conrad.senate.gov or call (202)224-6076.

Ellen Bergfeld

Generous Gift to ASAS Foundation

An extremely generous "lead gift" has been given to the ASAS Foundation by Dr. Harold Hafs, Chair of the ASAS Foundation Trustees. This gratefully appreciated gift was announced at the ASAS Past President's Luncheon during the 1997 Annual Meeting in Nashville, Tennessee. An "Endowment Fund" was seeded within the ASAS Foundation by Harold's gift of 1250 shares of Merck & Co., Inc. This gift is valued at over $125,000!

Harold said, "I hope this gift will be a tangible token of my gratitude to all ASAS members for what ASAS has meant to me." He further stated that the *Journal of Animal Science* has been by far the major vehicle for publishing his research. ASAS has been a very significant force in his

Continued on next page

professional as well as his personal life. He believes that many others share that same experience. He said, "I feel good about this gift and I am confident that others will also share that same emotion."

Harold's gift was unrestricted, save that the Trustees shall determine how the income from the investment is used. However, others who give to the Foundation may prefer a gift targeted for a specific purpose.

The ASAS Trustees launched a major new initiative at the Past Presidents' luncheon, designed to underwrite activities of the Society. Chris Kelly, VP Merrill Lynch Philanthropic Financial Services, and Howard Yates, Merrill Lynch Financial Consultant for ASAS , outlined several planned giving vehicles, including the "Charitable Remainder Trust,"the "Charitable Lead Trust," and the "Pooled Income Fund." However, the Trustees plan to accommodate the entire spectrum of potential donor gifts. The potential combinations of gifts are nearly limitless.

1998 Annual Meeting Preliminary Meeting Schedule

Sunday, July 26	
Lactation Workshop	8:00 a.m. - 5:00 p.m.
Biennial Growth Reception	7:00 p.m. - 9:00 p.m
Monday, July 27	
Registration	7:00 a.m. - 8:00 p.m.
Biennial Growth Symposium	8:00 a.m. - 5:00 p.m.
Exhibit Setup	11:00 a.m. - 5:00 p.m.
Student Mixer	3:00 p.m. - 5:00 p.m.
Opening Session	6:00 p.m. - 7:30 p.m.
Opening Reception	7:30 p.m.
Tuesday, July 28	
Registration	7:00 a.m. - 5:30 p.m.
Scientific Program	8:00 a.m. - 5:00 p.m.
Exhibits	8:00 a.m. - 5:00 p.m.
International Reception	5:00 p.m.
Wednesday, July 29	
Registration	7:00 a.m. - 5:00 p.m.
Scientific Program	8:00 a.m. - 5:00 p.m.
Exhibits	8:00 a.m. - 5:00 p.m.
Student Awards Luncheon	12:00 p.m. - 2:00 p.m.
Block & Bridle Luncheon	12:00 p.m. - 2:00 p.m.
ADSA Awards Program & Ice Cream Social	8:00 p.m. - 10:00 p.m.
Thursday, July 30	
Registration	8:00 a.m. - 5:00 p.m.
Scientific Program	8:00 a.m. - 5:00 p.m.
Exhibits	8:00 a.m. - 5:00 p.m.
Business Meetings	11:00 a.m. - 12 Noon
Exhibit Breakdown	5:00 p.m. - 8:00 p.m.
ASAS Awards Program & Ice Cream Social	8:00 p.m. - 10:00 p.m.
Friday, July 31	
Registration	8:00 a.m. - 12 Noon
Scientific Program	8:00 a.m. - 12 Noon

Thanks to Our 1997 Annual Meeting Exhibitors!

ABC Laboratories
Academic Press
Agrimerica, Inc.
Alltech Biotechnology Center
ALOKA
Animal Ultrasound Services
Animal Industry Foundation
ANKOM Technology
ARPAS
ASAS On-Line
ASAS Membership, Publications and Foundation
Bar Diamond, Inc.
Biogenics
The Brill Corporation
Chr. Hansen BioSystems
Classic Medical Supply
Distributors Processing, Inc.
Elsevier Science Publishers
Fats & Proteins Research Foundation
Fuhrman Diversified, Inc.
Grain States Soya, Inc.
Griffin Industries, Inc.
International Ingredient Corporation
Iowa State University Press
Livestock Conservation Institute
MAABRE
Mini Mitter Co., Inc.
Mosdal Feed Carts
National Pork Producers Council
National Research Council/Committee on Animal Nutrition
Nutra-Flo Company
Pfizer Animal Health
Prentice-Hall
SORVALL
USDA-CSREES
University of Kentucky
VASA, Veterinary Division of Agri-Sales Assoc.
VIII World Congress on Animal Production
Zapata Protein (USA), Inc.
1998 ADSA/ASAS Joint Meeting

Thanks to the 1997 Annual Meeting Donors!

Elanco Animal Health
National Cattlemen's Beef Association
National Pork Producers Council
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Pioneer Hi-Bred International
Protiva - A Unit of Monsanto Company
Select Sires, Inc.
Tennessee Walking Horse Breeders' and Exhibitors' Association
USDA-ARS

Future ASAS Meeting Dates

National ASAS Meetings

1998 July 27–31 Denver, CO
Joint meeting with ADSA

1999 July 21–24 Indianapolis, IN

2000 July 24–28 Baltimore, MD
Joint meeting with ADSA

2001 July 24–28 Indianapolis, IN
FASS meeting

2002 to be announced Quebec City
Joint meeting with ADSA

Sectional ASAS Meetings

Northeastern Section ASAS/ADSA

1998 June 28–July 1 Amherst, MA
1999 April 22–24 College Park, MD

Southern Section ASAS/ADSA

1998 Jan 31–Feb. 4 Little Rock, AR
1999 Jan. 30–Feb. 3 Memphis, TN
2000 Jan. 29–Feb. 2 Lexington, KY
2001 Jan. 27–31 Ft. Worth, TX

Midwestern Section ASAS/ADSA

1998 March 16–18 Des Moines, IA
1999 March 15–17 Des Moines, IA
2000 March 13–15 Des Moines, IA
2001 March 19–21 Des Moines, IA
2002 March 18–20 Des Moines, IA

Western Section ASAS

1998 July 27–30 Denver, CO
Joint meeting with National ASAS and ADSA

Tentative meeting places for early summer meetings

1999 Brigham Young University
2000 Montana State University
2001 University of California-Davis

The editor of ASASYNOPSIS welcomes your comments about this newletter and suggestions about additions that would enhance its usefulness to the members of ASAS. Announcements of upcoming meetings and proposals for guest editorials are also invited. Please contact Michael Dikeman at 785/532-1225; fax 785/532-7059; E-mail mdikeman@oz.oznet.ksu.edu.