



# Nutritional Sciences News

Division of Nutritional Sciences University of Illinois at Urbana-Champaign

VOLUME 6 NUMBER 1 FALL 1993

## A Word from the Editor

I hope everyone enjoys reading this edition of Nutritional Sciences News. Thanks to all who provided information and contributed to this issue. Next year, the Division hopes to hear from an even larger number of alumni. Please tell the NS office of any address or position changes. Have a great and productive year.

Thank you,

*Joan O. Ham*  
Joan O. Ham

## A Word from the Director

Without a doubt, the highlight of the past year was the banquet in celebration of the 25th Anniversary of the approval of the Division of Nutritional Sciences' graduate degree programs. We were fortunate to have President Stanley Ikenberry as the keynote speaker for the event. In addition, John Milner and Harold Draper returned to campus to help us celebrate this occasion. Please check elsewhere in the newsletter for more coverage of the banquet and an excerpt of President Ikenberry's speech.

The second highlight of the year was the recruitment of our largest class of new graduate students. We were

pleased to welcome 25 high-quality students over the last year. A list can be found later in this newsletter.

I want you to be aware of two documents that will be available to alumni. First, we have updated the history of the Division of Nutritional Sciences. This extensive document describes the development of the nutrition field at the University of Illinois, the origin of the Division, and transcends the 25 years through to the recent banquet. Secondly, we have put the final touches on the Proceedings of the symposium honoring Willard Visek on his 70th birthday. The symposium titled "From Ammonia to Cancer and Gene Expression" contains seven papers from former friends and colleagues of Dr. Visek. Attendees of the symposium will be mailed a copy, but others can write my office at 451 Bevier Hall, 905 S. Goodwin Avenue, Urbana, IL 61801 for a copy.

Speaking of Willard, we are well underway in fund raising for the Willard J. Visek Lectureship in Medical Nutrition. Our goal is to raise sufficient funds to attract a top clinical scientist to campus each year for a series of lectures. Many friends and former associates have already made donations. If you would like to contribute, send a tax-free donation to me at the above address and make the check out to UIF-Willard Visek Lectureship Fund.

Some of you may have heard that there has been considerable discussion regarding restructuring colleges,

departments, and programs here at the U of I. Yes, we like many other universities, are making changes. The College of Agriculture, for example, is in the process of major reorganization and condensation of units. We'll bring you up-to-date on the final changes in next year's Newsletter. I can say that the suggested modifications in the College structure do not impact the Division to any great degree. In fact, we are pointed to as an ideal program structure for others to emulate.

Last year's combined University reception at the Experimental Biology meeting in New Orleans was a great success. I saw dozens of alumni. Many of you were given the opportunity to purchase Nutritional Sciences sweatshirts there. This year we will participate again in Anaheim. Check the program for the place and time. I understand that it will be around 7 pm on Tuesday evening, April 26, 1994. Hope to see you there!

Joan Ham, a PhD candidate advised by Dr. Karen Chapman, accepted the duties of Newsletter editor this year and has done an excellent job. I hope that all alumni will respond to the information request this year regarding your current activities.

Best regards,

*John W. Erdman, Jr.*  
John W. Erdman, Jr.  
Director

## NS Celebrates 25th Anniversary

On September 30, 1993, a banquet was held to commemorate the 25th anniversary year of the approval of the Nutritional Sciences program by the Illinois Board of Higher Education. Over 100 faculty, students, administrators, and their guests attended the banquet, held at Jumer's Castle Lodge in Urbana. University of Illinois President Stanley Ikenberry presented the keynote address, emphasizing that the Division is a prototypical interdisciplinary graduate research and training program at the University, and that NS was well ahead of its time in such an endeavor. Both Harold Draper, the first NS program chair (Professor Emeritus, University of Guelph) and John Milner, the first NS Division director (Head, Nutrition Department, Pennsylvania State University) addressed the group with insights, reminiscences, and future advice for the program. Others in attendance included former Deans Orville Bentley, Dan Alpert, and Judith Liebman, who played key roles in the development of the Division, as well as current Deans W.R. Gomes, College of Agriculture, C.C.C. O'Morchoe, College of Medicine, M.J. Ellis, College of Applied Life Studies, and V.E. Valli, College of Veterinary Medicine.

During these 25 years, a total of 203 Masters and Doctoral degrees have been conferred. Six were conferred upon students who had also earned the MD degree. Currently there are 47 faculty and 52 students in the program.

## NS Welcomes Invited Lecturers

The Nutritional Sciences seminar provides an opportunity for the Division to invite professionals from industry and other academic institutions to speak on campus. Here is a summary of this year's participants and their lecture topics.

Robert Bremel, Professor of Animal Science at the University of Wisconsin, spoke about "Modification of Milk Composition of Livestock by

Combining Techniques of Embryology and Molecular Biology". Dr. Clark E. Grosvenor of the Department of Molecular and Cell Biology, Penn State University, lectured on "Possible Functions of Milk Prolactin in the Neonate". Janet King, Professor and Chair of the Department of Nutritional Sciences, University of California at Berkeley presented "Zinc Homeostasis in Humans". Penny Kris-Etherton, Professor of Nutrition in the Department of Nutrition at Penn State University, discussed "Effect of Stearic Acid on Plasma Lipids and Lipoproteins in Young Men". Dr. Doris Lennon-Thompson, Associate Director of Nutrition and Scientific Relations for Kraft General Foods, discussed the "Role of Nutritionists in Industry". Peter Reeds, Professor in the Department of Pediatrics at Children's Nutrition Research Center, Baylor College of Medicine, presented a lecture titled "The Biology of Amino Acid Requirements". Madeleine Sigman-Grant, Assistant Professor of Food Science at Penn State, spoke on "Feeding the Preschooler is More than Just Food".

## New Faculty Elected to the Division

The Division of Nutritional Sciences welcomes three new faculty members. Dr. Robert H. McCusker, Assistant Professor of Developmental Endocrinology, Department of Animal Sciences, UIUC, studies insulin-like growth factors and their binding proteins; malnutrition; developmental biology; and cellular endocrinology with an emphasis on skeletal muscle. Dr. Neil F. Shay, Assistant Professor of Nutritional Biochemistry, Department of Food Science, UIUC, studies nutritional regulation of gene expression; control of feeding behavior by the brain; anorexia and zinc-deficiency; and the molecular biology of intestinal nutrient transport. Dr. Terrance L. Smith, Assistant Professor of Food Science and Nutrition, Department of Food Science, UIUC, studies lipid metabolism including essential fatty acids and eicosanoids; the role of minerals; and the prevention and consequences of lipid peroxidation *in vivo*.

## NS Faculty Give International Lectures

Dr. David H. Baker spoke at the Biokyoowa Amino Acid Council held in October, 1993 in St. Louis, MO with a presentation on "Ideal Protein Consideration for Poultry". He also participated in the Australia Pig Research Conference in Canberra, Australia.

Dr. Bruce Chassy presented a seminar on "Engineering Lactobacilli for Food and Dairy Applications" at the University of Bochum, Bochum, Germany, and at The Netherlands Technology Organization in Rijswijk, The Netherlands. Dr. Chassy also participated in the 4th International Lactic Acid Bacteria in Foods Conference in Noordwijkerhout, The Netherlands. He chaired a workshop titled "Genetic Manipulation of Recalcitrant Organisms". He presented a poster on "Studies on the Transformation of *Lactobacillus Bulgaricus*".

Dr. Robert A. Easter presented the keynote lecture on "The Use of Biotechnology and Feed Additives" for the Congress on Nitrogen Flow in Pig Production and Environmental Consequences at Wageningen, The Netherlands. He spoke at the International Academic Symposium and Exhibit on Feed Additives in Beijing, China and participated in a satellite conference in Chengdu and Guangzhou. Dr. Easter also spoke at the Western Nutrition Conference in Saskatoon, Saskatchewan, at the Banff Pork Seminar in Banff, Alberta, Canada, and at the University of Costa Rica in San Jose. He was invited to speak about "Amino Acid Nutrition of Swine" to the Brazilian Society of Animal Science in Lavras, Brazil.

Dr. John Erdman chaired a session titled "Nutrition/Medical Applications" at the 10th International Symposium on Carotenoids in Trondheim, Norway.

Dr. Matthew Wallig was invited to the European Division of the C.L. Davis Foundation in Manchester, England to speak on "Toxicologic Pathology of the Pancreas" and "Mechanisms of Cell Death".

## Faculty Give National Lectures

Dr. David H. Baker spoke at the Zinpro Trace Mineral Conference in Minneapolis, MN and at the Arkansas Nutrition Conference in Fayetteville, AR in June, 1993.

Dr. Karen M. Chapman discussed issues in geriatric nutrition at the 14th Annual Workers in Aging Conference in Naperville, IL and diet and disease links at the 14th Annual Food for Fitness Conference in Rockford, IL. She also participated in the 2nd National Nutrition Screening Initiative Conference in Washington, D.C.

Dr. Jimmy H. Clark lectured on "Optimizing Ruminant Fermentation to Maximize Amino Acid Availability" at the 40th Annual Pfizer Research Conference in Washington, D.C. He delivered presentations on "Protein Supply for Lactating Dairy Cows" at the 54th Cornell Nutrition Conference for Feed Manufacturers in Rochester, NY and on "Current Knowledge of Protein and Carbohydrate Metabolism in the Rumen" at the 73rd Illinois Annual Fall Conference for Veterinarians in Urbana, IL. Dr. Clark also spoke at the Professional Dairy Management Seminar in Dubuque, IA, the Max-Fat Cooperation Research Conference in Green Bay, WI, and at the Ajinomoto Company Research Conference in Chazy, NY.

Dr. Sharon M. Donovan served as co-chair of the minisymposium on "Neonatal, Infant and Maternal Nutrition" at the 1993 Experimental Biology meeting in New Orleans, LA. In addition, she co-chaired the "Insulin-like Growth Factor Binding Proteins and their Actions" Symposium at the 75th Annual Meeting of the Endocrine Society in Las Vegas, NV.

Dr. James K. Drackley presented "Niacin and Carnitine in the Nutrition of Dairy Cows" and "Protein Digestion and Amino Acid Metabolism: An Overview" at the Lonza Technical Symposium and the Pacific Northwest Animal Nutrition Conference, respectively, both in Spokane, WA. He also lectured on "Fatty Liver and Ketosis in Dairy Cows" at the Four-state Applied Dairy Nutrition Conference in LaCrosse, WI.

Dr. Robert A. Easter gave presentations at the National Pork Producers Council Symposium on

"Lean Growth Modeling" in Des Moines, IA, at the Webel-Pfizer Swine Seminar in Quincy, IL, at the University of Illinois Pork Industry Conference in Champaign, and at the Missouri Pork Producers Association Conference in Columbia.

Dr. John W. Erdman, Jr. presented a lecture on "Factors Affecting Digestion and Absorption of Carotenoids" at the New York Academy of Sciences Conference on Carotenoids in San Diego, CA.

Dr. H. Rex Gaskins presented "Interferon-gamma Alteration of Pancreatic  $\beta$ -cell Phenotypes and Function" at the Endocrine Society meeting in Las Vegas, NV.

Dr. Li Li Ji presented lectures at Experimental Biology 93 in New Orleans, LA as well as at the American College of Sports Medicine annual meeting in Seattle, WA.

Dr. James Kaput was an invited lecturer at the Fatty Acids and Gene Expression Symposium at Experimental Biology 93 in New Orleans, LA. He also presented seminars at the National Center for Toxicologic Research in Jefferson, AR and at the Department of Nutrition and Medical Dietetics at the University of Illinois, Chicago.

Dr. Neil Shay gave two seminar presentations at Experimental Biology 93 in New Orleans, LA.

Dr. Willard J. Visek served as co-chair of the AIN/ASCN Symposium on Dietary Fat and Gene Expression at Experimental Biology 93 in New Orleans, LA. He gave a seminar on "Level of Dietary Fat and Gene Expression" at the Endocrine Biology Group, Pennington Biomedical Center at Louisiana State University, Baton Rouge. Dr. Visek also lectured to the Division of Nutritional Sciences and the Department of Animal Science at Cornell University in Ithaca, NY.

## Professional Activities of NS Faculty

Dr. David H. Baker was appointed to a four-year term on the American Institute of Nutrition Long-Range Planning Committee. He also serves on the AIN Borden Award Committee. Dr. Baker continues as an Associate Editor for the *Journal of Nutrition* and on the editorial board of the *Annual Reviews of Nutrition*.

Dr. Karen M. Chapman serves on the Program Planning Committee of the Cooperative Extension Service, as well as the Executive Committee of the School of Human Resources and Family Studies. She has recently taken on the position of Graduate Coordinator for the Division of Foods and Nutrition.

Dr. Bruce Chassy has been elected Chair of the Biotechnology Division of Institute of Food Technologists.

Dr. Jimmy H. Clark is President of the American Dairy Science Association, where he participates in the Program, Executive, Management Services Policy, Award Selection, Business Development, Membership, and Finance Committees. He continues to serve as representative to IDF Committee Group 22 on Bovine Somatotropin and IDF Group A26 on Influence of Feed on Composition of Milk. He also serves on the editorial board of the *Journal of Dairy Science*.

Dr. Robert A. Easter continues to serve on the editorial board for *Livestock Production Science*. On campus, he serves on the University of Illinois Research Board.

Dr. John W. Erdman, Jr. was reappointed for a second three-year term on the Food and Nutrition Board, Institute of Medicine, National Academy of Sciences. He served on three committees of the Board, as well as on the Council for the American Institute of Nutrition and several IFT committees.

Dr. George C. Fahey, Jr. is a member of the National Research Council Feed Composition Task Force and Subcommittee on Laboratory Animal Nutrition. In addition, he is a member of the American Institute of Nutrition Writing Committee on Purified Diets for Laboratory Rodents. Dr. Fahey serves on the CSRS Review Team for the Department of Dairy and Animal Science at the Pennsylvania State University. He continues to serve on the editorial boards for the *Journal of Nutrition* and the *Journal of Dairy Science*.

Dr. H. Rex Gaskins holds a position on the editorial board of *Animal Biotechnology*.

Dr. Elizabeth Jeffery is Director of the Environmental Toxicology Program at the University of Illinois. She serves as secretary for the Midwest Regional Chapter, Society of Toxicology, and on the editorial board

of *Toxicology and Applied Pharmacology*.

Dr. Li Li Ji is a member of the American Heart Association Research and Allocation, and Peer Review Committees.

Dr. James Kaput serves as a reviewer for the National Livestock and Meat Board.

Dr. James L. Robinson is on sabbatical from August 1993 through July 1994 in Australia, where he is conducting research on the detection of inherited disorders in cattle.

Dr. Neil Shay serves as an ad-hoc reviewer for the *Journal of Nutrition* and for *FASEB Journal*.

Dr. Matthew A. Wallig holds a position on the editorial board of *Veterinary Pathology*.

## Faculty Grants and Research Support

### Federal Grants

#### NIH

Drs. Donald K. Layman, Jan E. Novakofski, and Sharon M. Donovan have received a one-year NIH grant to research "Recovery from Growth Retardation: Anabolic Responses".

Dr. Li Li Ji has received a five-year NIH grant to investigate "Exercise and Obesity: Role of Lipogenic Enzymes".

Drs. Toshiro Nishida and Hiro Nishida will receive five years of support to study the "Role of Plasma Lipoproteins in Atherosclerosis".

Dr. Susan M. Potter and graduate student, Frantzie Balmir have been awarded a five-year grant for "Influences of Dietary Protein Source and Total Fat Intake on Plasma Lipids, Apolipoproteins, and Hormones".

Dr. Keith W. Singletary will receive funding to study "Dietary Ethanol and Initiation of DMBA Tumorigenesis".

#### USDA

Dr. Karen M. Chapman was awarded a WIC Enhancement grant from the Extension Service of USDA.

Drs. John W. Erdman, Jr. and Neal Merchen were awarded a renewal of their USDA grant, "Carotenoid Absorption and Metabolism".

Dr. Keith W. Kelley has been granted funding to research

"Endocrine Regulation of the Immune System".

Dr. Jack Odle was awarded a two-year USDA grant for "Regulation of Hepatic Ketogenesis in Low Birth Weight Piglets".

Dr. Matthew A. Wallig has been granted a USDA-HEADE special project award to study "Medicinal Uses of Co-products from Crambe Meal".

### Private Industry and Foundation Support

Dr. David Baker received funding from Bioproducts Corporation and Moorman Mfg. Co. to investigate "Comparative Amino Acid Nutrition of Poultry and Swine".

Dr. Jimmy Clark received support from Rhone Poulenc, Inc. (with L.L. Berger) to investigate "Protected Amino Acids for Steers".

Dr. James K. Drackley was granted funding to research "Effects of Dietary Fat on Liver Function and Performance of Dairy Cows" from the Fats and Proteins Research Foundation. He also received research funding from Milk Specialties, Co., Lonza, Inc., and E.I. DuPont DeNemoirs & Co. (Inc.).

Dr. Robert Easter has received support from Central Soya, American Proteins, and Distributing Proc. for Starter Pig Research. He also received support from Lilly Research Lab, Nutriquest, Abbott Labs, and Prince Agri. He has also been granted funding from the National Pork Producers Council for "Starter Pig Growth".

Dr. John Erdman, along with fellow faculty members Ricardo Villota and Bill Artz, received funding from Kraft General Foods to study "Nutrient Retention in Processed Foods".

Dr. George Fahey, Jr. received grants from Zinpro Corporation to examine "Cobalt Glucoheptonate as a Stimulant of Forage Digestion", and "Chromium Polynicotinate Effects on Feedlot Cattle Performance and Metabolism". Dr. Fahey also has funding from The Iams Company.

Drs. H. Rex Gaskins, Sharon Donovan, and Jack Odle have received funding from Mead Johnson for the "Development of a Piglet Model for the Study of Chronic Intestinal Inflammation", and from Wyeth to

study "Absorptive and Metabolic Responses of Neonatal Piglets to Infant Formulas Containing Intact or Hydrolyzed Proteins".

Drs. Elizabeth H. Jeffery and Susan M. Potter were awarded a grant from Protein Technologies International to study "Effects of Soy Protein on Drug Metabolism and Cholesterol".

Dr. Donald Layman has received funding from Quaker Oats for research on "Metered Energy Use During Exercise".

Dr. Robert McCusker will receive funding from the Illinois Pork Producers Association to investigate "Prediction of Swine Growth Potential Using Serum Levels of an Insulin-Like Growth Factor Binding Protein". In addition, he will receive support from the Illinois Affiliate of the American Heart Association for "Cell Type and Developmental Aspects of Insulin-Like Growth Factor Binding Protein Expression in the Heart".

Dr. Susan M. Potter, along with Dr. John Erdman, received funding from the Illinois Soybean Program Operating Board to support a six-month feeding study evaluating the "Hypocholesterolemic Properties of Soy Protein in Postmenopausal Women".

Dr. Neil Shay was awarded a grant from Abbott Foundation to investigate "Dietary Control of Gene Expression in the Brain".

Dr. Terrance L. Smith has received a renewal from the Illinois Affiliate of the American Heart Association for "LDL Metabolism *in vitro* under Magnesium Deficiency", as well as a renewal from the Illinois Soybean Program Operating Board to continue his work on "Cultured Macrophage Response to  $\alpha$ -linoleate from Soybean Oil".

### Institutional Grants

Dr. Karen M. Chapman received equipment grants from the College of Agriculture, UIUC, and the Veteran's Affairs Administration.

Dr. H. Rex Gaskins, along with Robert I. Mackie, Bryan White, and Bruce M. Chassy, has been granted funds to investigate "Mucosal Delivery of Antigenic Epitopes by *Lactobacillus*: Towards a Novel Immunotherapy for

Porcine Enteric Disease" from the Animal Health Formula Funds, UIUC Agricultural Experiment Station.

Dr. Elizabeth H. Jeffery received funds from the UIUC Research Board for "Drug Metabolism in Hepatocyte Culture".

Dr. Neil Shay has been granted funding for "Cloning of Nutritionally Regulated Porcine Intestinal mRNAs" and "Control of Glucagon Synthesis by Nutrient Availability and Hormones in the  $\alpha$ -TC9 Pancreatic Cell Line" (Co-PI H. Rex Gaskins) from the UIUC Research Board.

## Faculty Awards and Honors

Dr. Jimmy H. Clark was the recipient of UIUC College of Agriculture Senior Faculty Award for Excellence in Research.

Dr. Bruce M. Chassy was awarded a Fulbright Distinguished Lectureship in Spain for the Spring semester 1994.

Dr. Sharon M. Donovan has been invited to write a review article on "Peptide Growth Factors in Milk" for the 1994 edition of *Annual Reviews of Nutrition*.

Dr. James K. Drackley received the D.E. Becker Award for Excellence in Undergraduate Teaching and Counseling in Animal Sciences from the Department of Animal Sciences, UIUC.

Dr. Robert A. Easter was awarded the 1992 AFIA Non-Ruminant Nutrition Award from the American Society of Animal Science.

Dr. H. Rex Gaskins was selected by the Nutrition Foundation of the International Life Sciences Institute as one of four recipients of a 1993-94 Future Leaders Award.

Dr. Arthur J. Siedler was elected fellow of the Institute of Food Technologists in July of 1993.

Dr. Terrance L. Smith was nominated for the 1993 College of Agriculture Award for Sustained Excellence.

## New Research Interests

Here is an incomplete list of Division members new research topics.

*Bruce Chassy* Development of thermostable  $\alpha$ -galactosidases for

removal of  $\alpha$ -galactosides from soybean derived foods and feeds.

*James Drackley* The effects of carnitine on metabolism and production of dairy cows.

*Elizabeth Jeffery* Non-estrogenic effects of plant flavanoids.

*Neil Shay* Hypothalamic involvement in feeding behavior and appetite regulation.

## External Advisory Committee

Each year, the Division of Nutritional Sciences undergoes a review by an External Advisory Committee. Committee members are selected by the Division from industrial and academic positions around the country to provide outside opinions on the quality and focus of the NS program. We would like to thank the members for their time and effort in helping Nutritional Sciences continue to expand and improve. Here is a list of the 1992-93 academic year committee members.

*Dr. David Anderson*  
Senior Research Specialist  
Lilly Research Laboratories

*Dr. Sandra J. Bartholmey*  
Manager of Nutrition  
Gerber Products Company  
Research Division

*Dr. Myrtle Brown*  
Professor of Biochemistry  
Professor of Nutrition  
Virginia Polytechnical Institute  
(Retired)

*Dr. Robert Collier*  
Dairy Research Director &  
Senior Fellow  
Monsanto Agricultural Company

*Dr. David Cook*  
Vice President  
Mead Johnson Research Center

*Dr. Arthur L. Hecker*  
Director, Medical Nutrition  
Ross Laboratories

*Dr. Doris Lennon-Thompson*  
Associate Director  
Nutrition & Health Sciences  
Kraft General Foods

*Dr. Kenneth T. Smith*  
Associate Director  
Food & Beverage Techn. Div.  
The Procter & Gamble Company

*Dr. Gilbert Leveille*  
Vice President Research &  
Technical Services  
Nabisco Biscuit Company,  
Technology Center  
(Ad Hoc)

*Honorable Helen Satterthwaite*  
Illinois State Representative  
(Ad Hoc)

## Miscellaneous

Dr. Bruce Chassy celebrated the marriage of his daughter Lisa to Andrew Skelley of Decatur in August 1992. Both are 4th year veterinary students at the University of Illinois. Dr. Chassy has also completed his FAA Instrument Pilot Rating so he can now fly in the clouds (where his head is).

Dr. John Milner, former Director of the Division, received one of five Faculty Scholar Medal Awards for outstanding achievement in research at the Pennsylvania State University.

## NS Admits Record Number of Students

Twenty-five new students were added to the Division this year. Joshua Bomser (B.S., Nutrition, University of Maryland) is working towards his Master's degree with Dr. Keith Singletary. Jill Cline (M.S., Animal Sciences, UIUC) is studying for her Ph.D. under the supervision of Dr. Robert Easter. Michelle Corley (M.S., Animal and Poultry Science, Tuskegee University) is working towards a Ph.D. with Dr. Elizabeth Jeffery. Marc Dicklin (B.S., Biology, UIUC) is a Master's student with Dr. Jack Odle. Carrie Earthman (B.S., Human Nutrition and Foods, Virginia Tech) is working towards her M.S. with Dr. Karen Chapman. Deshanie Ganessunker (B.S., Dietetics, University of Natal, South Africa) is studying for her M.S. under the direction of Dr. Ralph Nelson. Tracy Gautsch (B.S., Nutrition and Chemistry, Virginia Tech) is a M.S.

student with Dr. Donald Layman. Yasmeen Hasan (B.S., Chemistry, UIUC) is working towards her Master's with Dr. Ralph Nelson. Vicki Houle (B.S., Biology, Carleton College) is studying for a M.S. under the supervision of Dr. Sharon Donovan. Susan Kandl (B.S., Nutrition, University of North Carolina) is studying for her Ph.D. with Dr. Donald Layman. Guixiang Li (B.S., Chemistry, Peking University, China) is working towards her M.S. under the direction of Dr. Neil Shay. Heather Muir (B.S., Biological Sciences, North Carolina State University) is a M.S. student with Dr. George Fahey. Wei Ning (B.S., Biology, Beijing Normal University, China) is studying for her Master's with Dr. H. Rex Gaskins. Karen Qian (Bachelor of Medicine, Beijing Medical University, China) is working on a M.S. with Dr. Michael Murphy. Tia Rains (B.S., Nutrition and Chemistry, Arizona State University) is working towards her M.S. under the supervision of Dr. Neil Shay. Aparna Reddy (B.S., Foods and Nutrition, UIUC) is also working towards her M.S. with Dr. Neil Shay. Joan Rokusek (B.S., Foods and Nutrition, UIUC) is a Master's student with Dr. Keith Singletary. Richard Staack (M.S., Food Science, UIUC) is studying for his Ph.D. under the direction of Dr. Elizabeth Jeffery. Ling Wang (Bachelor of Medicine, Nanjing Railway Medical College, China) is working towards her Master's with Dr. Susan Potter. Yin Wang (M.S., Toxicology, University of Kentucky) is studying for her Ph.D. under the supervision of Dr. Simon Cho. Shanqin Xu (M.D., Shanghai Second Medical University, China) is a Master's student with Dr. Simon Cho. Jia Yao (M.S., Engineering, Shanghai Jiao Tong University) is a Ph.D. student with Dr. William O'Brien. Xingxian Yu (M.S., Human Physiology, Huazhong Normal University) is working towards his Ph.D. with Dr. Li Li Ji. Chaoshen Yuan (M.D., Shanghai Second Medical University) is studying for his Ph.D. under the direction of Dr. Toshiro Nishida. Yueqing Zuo (B.S., Pharmacy, Beijing Medical University) is an M.S. student with Dr. George Fahey.

## Class Of 1993

The Division granted advanced degrees to 10 students during 1993. Some are in industry, while others have chosen to stay in academic life as either professors or students continuing with their education. We wish them success in their endeavors!

Alexandra Adams (Ph.D.) - M.D. candidate, University of Illinois College of Medicine.

Deborah (Lee) Alekel (Ph.D.) - Assistant Professor, Nutrition and Medical Dietetics, University of Illinois at Chicago.

George Bark (Ph.D.) - M.D. candidate, University of Illinois College of Medicine.

Leslie Bourquin (Ph.D.) - Postdoctoral Research Associate, Department of Food Science and Human Nutrition, Michigan State University, East Lansing, MI.

Nicole de Leeuw (M.S.) - Ph.D. candidate, The Netherlands.

Barbara Fulton (Ph.D.) - M.D. candidate, University of Illinois College of Medicine.

Shwu-Kuan (Sarah) Jaw (Ph.D.) - Research Scientist, Drug Metabolism Department, Central Research Division, Pfizer, Inc., Groton, CT.

Susan Johnson (Ph.D.) - Postdoctoral candidate, Pennsylvania State University, University Park, PA.

Lois Steinberg (Ph.D.) - seeking employment.

Julia Winter (M.S.) - M.D. candidate, University of Illinois College of Medicine.

## NSGSA Activities

The 1992-93 academic year was a very active year for the Nutritional Sciences Graduate Student Association (NSGSA). Under the direction of officers Cathi Peterson (co-chair), Brent Flickinger (co-chair), Nicole deLeeuw

(treasurer), and Marcia Monaco (secretary), NSGSA sponsored many projects and functions. The second NSGSA Faculty Award was presented to Dr. James Robinson, in recognition of his dedication to graduate education and support of student activities. In response to the award, Dr. Robinson said "I cannot imagine a greater honor than to have been so recognized by you. I am touched that you would recognize my efforts and my underlying concern for a quality graduate education that will sustain each of you in your future endeavors". NSGSA also hosted the Fall picnic for NS faculty and students. At the end of the Fall semester new NSGSA officers were elected: Brent Flickinger (co-chair), Joan Ham (co-chair), Sean Adams (treasurer), and Marcia Monaco (secretary). To finish off the semester, a joint holiday party was held with the Department of Food Science and the Division of Foods and Nutrition. This provided an informal opportunity to interact with students and faculty with similar research interests from other areas of the University.

In early Spring semester 1993, the second annual student-faculty nutrition bowl was held. Four teams, each with one faculty member and four graduate students, matched wits about nutrition and metabolic knowledge. The victors were David Baker, Joy Campbell, Jason Emmert, and Theo van Kempen. Mock FASEB was held in March prior to the 1993 Experimental Biology meeting. Graduate students Sean Adams, Theo van Kempen, Greg Paul, Deborah Swartz, and Jin Rong Zhou were presented travel awards by the Division for their outstanding oral and poster presentations at the Mock event. To wrap up the academic year, NSGSA held its first annual summer picnic at the home of Dr. George Fahey.

## Graduate Student Presentations

Nutritional Sciences students presented their research at scientific meetings during the 1992-93 academic year.

## Experimental Biology 93

Sean Adams - Does HMG-CoA Synthase Play a Role in Limitation of Ketogenesis in Neonatal Pigs?

Frantzie Balmir - Endocrine Responses of Mildly Hypercholesterolemic Men to Dietary Soy Protein and Fiber.

Joy Campbell - Absorption of  $\beta$ -carotene by the Mongolian Gerbil (*Meriones unguiculatus*).

Theo van Kempen - Carnitine Affects Medium-Chain Fatty Acid (MCFA) Metabolism in Newborn Pigs.

Deborah Kern - The Postingestive Consequences of Fat Condition Preferences for Flavors Associated with High Dietary Fat.

Patti Kloss - Evaluation of Crambe Meal as a Feed Supplement for Broiler Chicks.

Minnie McNary - Effect of Ethanol Intake on Mammary Gland DNA-LI of NMU-treated Female Rats.

Marcia Monaco - Insulin-Like Growth Factor Binding Proteins (IGFBPs) in Food Restricted Lactating Rats.

Elizabeth Paisley - Characterization of Diet Regulated Genes Isolated from cDNA Libraries.

Greg Paul - Characterization of the Recovery in Skeletal Muscle Protein Synthesis and Whole-Body Protein Degradation Following Exercise.

Greg Sunvold - Fermentability of Various Fibrous Substrates by Canine Fecal Microflora.

Deborah Swartz - The Identification of Multiple Copies of a Diet Regulated Gene Within the Mouse Genome.

Jin Rong Zhou - Isolation and Partial Characterization of a Carotenoprotein from the Carrot Root.

*Waltham Conference,  
Adelaide, Australia*

Greg Sunvold - Fermentability of Selected Fibrous Substrates by Dog Fecal Microflora as Influenced by Diet; and Fermentability of Selected Fibrous Substrates by Cat Fecal Microflora.

*American Dairy Science Association*

Joy Campbell - Niacin Supplement Kinetics in Lactating Dairy Cattle.

*American Society of Animal Science*

Greg Sunvold - Evaluation of Nutrient Digestibility Passage and Fecal

Characteristics of Dogs Fed Fiber-Containing Diets.

*American Society of Zoology, Division of Comparative Biochemistry and Physiology*

Sean Adams - Exception to a Paradigm - Neonatal Non-Hyperketonemia in Swine. (Best Student Paper)

*Society for Nutrition Education*

Mimi Chan - Educational Directions for Women Concerning Calcium.

Joan Ham - Improving Diabetic Education for Older Men.

## NS Graduate Student Awards

The Division presents awards twice yearly to support travel by students to scientific meetings. In Fall, 1992 the following students received grants: Lee Alekel, Joy Campbell, Deb Kern, Patti Kloss, Minnie McNary, Marcia Monaco, Greg Paul, and Jin Rong Zhou. Spring 1993 student travel award recipients were: Frantzie Balmir, Mimi Chan, Joan Ham, Theo van Kempen, Susan Johnson, Mary Larson, and Greg Sunvold.

The NS Division also presents awards for excellence in student research. The 1993 recipients were Mike Cristel, Minnie McNary, Marcia Monaco, Elizabeth Paisley, Greg Paul, and Greg Sunvold.

## Fellowships and Scholarships

Manuel Baldeon: International American Foundation Fellowship;

Frantzie Balmir: National Heart, Lung, and Blood Institute Fellowship (NIH);

Sean Barnes: Illinois Minority Graduate Incentive Program Fellowship;

Joy Campbell: Jonathan Baldwin Turner Fellowship;

Nicole de Leeuw: University of Illinois Graduate College Fellowship;

Jason Emmert: Jonathan Baldwin Turner Fellowship;

Jennifer Fisher: Hunter Fellowship;

Joan Ham: Summer Research Grant from School of Human Resources and Family Studies;

Sarah Jaw: University of Illinois Graduate College Fellowship;

Courdo Lamboni: Fulbright Fellowship;

Mary Larson: American Heart Association Fellowship;

Minnie McNary: National Institute of Alcohol, Alcoholism and Drug Abuse Fellowship (NIH).

## Graduate Student Notes

Joy Campbell served on the Paul A. Funk Recognition Awards Program Planning Committee for the College of Agriculture this past academic year. Deborah Kern's research was reviewed in "Nutrition Today" and in the "Chicago Tribune". The Center for Science in the Public Interest also requested an abstract.

Two NS students were married during 1993. Congratulations to Greg Sunvold who married Sue Weisel in May, and to Jason Emmert, who married Laurel Brown in August. We wish all four newlyweds much happiness!

There were also two baby boys born to graduate students during 1993. Nicole de Leeuw delivered Daniel in April, and Lee Alekel delivered Lucas in June.

## Alumni News

1969

Mary Jacob (Ph.D.) is a Professor in the Department of Home Economics at California State University in Long Beach. She served as Department Graduate Coordinator from January, 1992 to January, 1993.

1970

Robert E. Landers (Ph.D.) continues work as the Director of Nutrition and Toxicology for Best Foods in Somerset, NJ.

1971

Melvin T. Yokoyama (Ph.D.) is a Professor in the Department of Animal Sciences at Michigan State University in East Lansing. He serves as Graduate Coordinator of the department.



1972

George Klatt (M.S.) recently finished his M.B.A. and is living in Chicago.

Race L. Kao (Ph.D.) is Professor and Carroll H. Long Chair of Excellence for Surgical Research in the Department of Surgery at East Tennessee State University in Johnson City. He is a member of the Cardiovascular/Pulmonary Standing Committee and the Biological Committee at East Tennessee State. He is listed in the *International Directory of Distinguished Leadership* and in *Who's Who of Distinguished Americans*.

Roger W. Mellenberger (Ph.D.) is Professor and Dairy Extension Specialist in the Department of Animal Sciences at Michigan State University in East Lansing. He is a member of the Education Committee of the National Mastitis Council and was named Outstanding Specialist by County Agents in 1992 and Outstanding Specialist by the Michigan Specialists Association in 1987.

1975

Kailash Mathur (Ph.D.) continues work as Professor of Nutrition and Graduate Program Advisor at South Carolina State University in Orangeburg. He was awarded a research grant from the USDA for the proposal "Cholesterol, Selected Minerals and Health Status of the Elderly in South Carolina". Dr. Mathur has a new granddaughter, Megha, born August 3, 1992.

Bruce A Molitoris (M.S.) began his new position as the Director of Nephrology at Indiana University Medical Center in Indianapolis in August. He serves on the editorial boards of the *American Journal of Physiology* and the *American Journal of Kidney Disease*, and on the NIH General Medicine B Study Section. Bruce says that even though he will be working for Indiana, he will still cheer for the Illini at Big 10 events.

1976

Guy Johnson (Ph.D.) works as Director of Nutrition for the Grand Metropolitan Food Sector/Pillsbury in Minneapolis, MN. He is Vice-chair of the Food and Nutrition Safety Committee of International Life Sciences

Institute (ILSI). Dr. Johnson also serves on the Executive Committee of the Nutrition Division of IFT. He has a new daughter, Tess Hanna, born November 11, 1992.

Kathleen M. Koehler (Ph.D.) is an Associate Professor of Nutrition at the University of New Mexico in Albuquerque. She also serves as Research Assistant Professor of Pathology at the University of New Mexico School of Medicine. In 1992 she was granted fellowship in the American College of Nutrition and regular membership in the American Society of Clinical Nutrition/American Institute of Nutrition. She serves on the editorial board of the *Journal of Nutrition Education*. Dr. Koehler was awarded the Burlington Resource Foundation Faculty Achievement Award at the University of New Mexico for 1992-93.

Keun Shin (Ph.D.) works as an Adjunct Professor at Virginia Commonwealth University and at John Tyler Community College.

1978

Steven K. Clinton (Ph.D.) continues work as Associate Professor at the Dana-Farber Cancer Institute of the Harvard Medical School in Boston, MA. His second son, Alan Gregory, was born April 16, 1993.

Warren J. Croom, Jr. (Ph.D.) is a Professor in the Department of Animal Science at North Carolina State University in Raleigh. His daughter, Ashley Elizabeth, age 9, died in May, 1992 due to diabetes.

Patricia Weston (Ph.D.) works as a Research Specialist in Veterinary Medicine at the University of Illinois in Urbana.

1979

Dan Schaefer (Ph.D.) continues work as Professor in the Meat and Animal Science Department at the University of Wisconsin in Madison. He served as chair of the committee which designed and constructed the new Livestock Laboratory at UW-Madison. The lab will facilitate teaching and research activities of cattle, swine, and sheep in accord with animal care guidelines and local environmental constraints.

1981

Tom Edes (M.S.) continues work as Associate Chief of Staff for Geriatric and Extended Care and as Director of the Nutrition Support Service at the Harry S. Truman VA Hospital in Columbia, MO. He is also Associate Professor of Medicine at the University of Missouri School of Medicine.

1982

Gilbert Boissonneault (Ph.D.) continues work as Associate Professor in the Department of Clinical Sciences at the University of Kentucky in Lexington. He serves on the editorial board of the *Journal of Optimal Nutrition*. He also serves as Secretary-Treasurer of the University of Kentucky Chapter of Alpha Eta Society (allied health honor society).

Lisa A. Reich (M.S.) began her new position as Senior Product Manager of Bard Pulmonary Division in Massachusetts in August. She has recently received certification in special studies from Harvard Extension School in management and administration.

1983

Edward J. Basgall (Ph.D.) began his new position as Assistant Professor in the Department of Cellular Biology and Anatomy and Director of Electron Microscopy at the Medical College of Georgia in Augusta in May, 1993. He has also recently married Betsy Robertson.

Dale Schmeisser (Ph.D.) has completed his study of garlic effects on lipoprotein, hemostasis and immunity in humans at the University of Illinois, Chicago in the Fall of 1993. He is beginning a new career as a nutrition consultant/professional backwoods person in the Upper Peninsula of Michigan.

1984

Michael Keenan (Ph.D.) is an Associate Professor of Human Nutrition and Food at Louisiana State University in Baton Rouge. He organized the Fourth Annual Boron Dinner and Discussion held in conjunction with Experimental Biology 93 in New Orleans. He and his wife, Donna, have three children: Colleen, age 9, Christopher, age 4, and Chad, age 2.



Barbara A. Kochanowski (Ph.D.) works as Product Development Manager of Gastrointestinal Products at Procter and Gamble in Cincinnati, OH. She serves as co-chair of the Diet and Disease Section of the American Institute of Nutrition.

JoAnn Daehler-Miller (M.S.) began a permanent part-time position as a nutrition consultant with the Minnesota Department of Health WIC program in January, 1993. She has helped to update and rewrite the Pediatric Diet Manual for the Twin Cities District Dietetic Association. She and her husband, Bob, have a new daughter, Dara Lindsay.

### 1985

Sharon L. Hoerr (Ph.D.) continues work as Associate Professor in the Department of Food Science and Human Nutrition at Michigan State University in East Lansing. She is taking sabbatical leave to work with Dr. Mary Fran Sowers in nutritional epidemiology at the University of Michigan in Ann Arbor.

Laura M. Rosch (M.S.) works as a fellow in the Division of Endocrinology, Department of Internal Medicine at Chicago Osteopathic Hospital.

### 1986

Chris Hatlestad (M.S.) completed his third year of family practice residency at Riverside Hospital in Minneapolis, MN in June, 1993. His second son, Ander Marcus was born New Year's Eve, 1992. He is looking for practice opportunities in the Pacific Northwest.

Lisa M. Olson (Ph.D.) continues work as Assistant Professor in the Obstetrics/Gynecology Department at Washington University in St. Louis, MO.

Anne M. Smith (Ph.D.) works as Assistant Professor in the Department of Human Nutrition at the Ohio State University in Columbus. She serves as chairperson of the Nutrition Education Committee, Ohio Nutrition Council.

### 1987

Yu-Tsyur Li (M.S.) works as Senior Technologist at Advanced Bioanalytical Services in Ithaca, NY. She is a member of the Institute of Food Technologists, the American Chemical Society, and the American Society of Mass Spectrometry.

### 1988

Ronald D. Cotterel (M.S.) is Assistant Clinical Professor of Family Practice at the University of California, Davis. He also works as a family physician at the Woodland Clinic and Davis Community Clinic. In 1991, he was recognized as an Active Teacher in Family Practice by the American Academy of Family Physicians.

Melissa Meredith (M.S.) is a Fellow in the Department of Endocrinology and Metabolism and Clinical Instructor in the Department of Medicine at the University of Wisconsin Hospital and Clinics in Madison. She received a Juvenile Diabetes Foundation Postdoctoral Fellowship for 1993-94.

Melissa Hendrix Olken (Ph.D.) serves on the Parenteral Enteral Nutrition (PEN) team at the Ann Arbor Veterans Hospital and as Lecturer in Internal Medicine at the University of Michigan Medical Center in Ann Arbor. She conducts research on carotenoid bioavailability in HIV infection and on amino acid metabolism in cancer.

Melanie Shuran (Ph.D.) has been promoted to Professor and Chair of the Department of Nutrition and Clinical Dietetics at the University of Health Sciences/The Chicago Medical School in North Chicago, IL.

Ray Yedinak (M.S.) works as manager of Quality and Technical Services at Viobin Corporation, a Special Products Division of A.H. Robbins/American Home Products in Champaign, IL. He and his wife, Colleen, have a daughter, Mallory, age 5.

### 1989

Denise L. King (Ph.D.) is Assistant Professor in the Department of Human Nutrition and Food Management at the Ohio State University in Columbus. She helped to develop materials for the Ohio Cooperative Extension Service

"Occasional Quantity Cook" food safety program. She serves as a reviewer for the *Journal of Food Science and Food Chemistry*. At the 1992 annual meeting of IFT in New Orleans, she co-chaired three sessions: "Fats and Oils" and "Flavor Chemistry I and II". Denise gave birth to a baby daughter, Michelle Lynn, December 8, 1993.

### 1990

Samuel Ejadi (M.S.) has completed his first year of medical school at the Midwestern University Osteopathic Medical Center in DuPage, IL.

Timothy S. Elliott (Ph.D.) works as a toxicologist in the Laundry and Cleaning Product Human Safety Division of Procter and Gamble in West Chester, OH. His second son, Ross, was born October 21, 1992.

Martha Funk (Ph.D.) continues work at the University of Utah in Salt Lake City. She and William Archuleta were married in July, 1993.

Min Ma (M.S.) is working as a Research Assistant in the Department of Immunology at the Scripps Research Institute in La Jolla, CA.

Janet Novotny-Dura (M.S.) completed her Ph.D. in Biophysics from the University of Illinois and has begun work at the Energy and Protein Lab at the USDA in Beltsville, MD as a Research Chemist. She is developing a mathematical model of energy balance in humans. Janet married Joseph Dura in May, 1992.

### 1991

Jana Bryant (M.S.) continues work as Clinical Research Associate with Hoffmann-La Roche in Wayne, NJ. She is working in clinical trials with the experimental drug, Orlistat, for the treatment of obesity.

Karen Dotson (M.S.) continues work at Eli Lilly in Indianapolis, IN as an analytical chemist.

Lesley Helyar (Ph.D.) has completed her third year as a postdoctoral fellow for the New Jersey Commission on Cancer Research and has recently moved to Maine. Her son, Cameron Charles, was born in January, 1992.

Matthew Kuchan (Ph.D.) works as Clinical Research Associate at Ross Labs in Columbus, OH. He and his wife, Sandy, are expecting their third child in January, 1994.

1992

James Burns (M.S.) completed his Dietetic Internship at the Indiana University Medical Center in July, 1993.

Hye Young Kim (Ph.D.) works as Assistant Professor in the Department of Food and Nutrition at Yong-In University in Seoul, Korea. Her daughter, Jaena, was born July 22, 1992.

Connie Krashoc (M.S.) continues work as Clinical Dietitian at the University of Tennessee Medical Center in Knoxville, TN. Her daughter, Nora Kathryn, was born November 2, 1992.

Stacy Scardefield (M.S.) completed her Dietetic Internship at Saint Francis Medical Center in Peoria, IL in July, 1993 and is now a Clinical Research Associate at Hoffmann LaRoche in New Jersey.

Wendy (Markham) Hirsch (M.S.) is Clinical Dietitian at Milwaukee County Medical Complex. She spoke on "Nutritional Management of HIV/AIDS Patients" at the Wisconsin Dietetic Association Conference in November, 1992.

*Excerpt from Keynote  
Address from President  
Stanley O. Ikenberry  
25th Anniversary Banquet  
Division of Nutritional  
Sciences*

*September 30, 1993*

I'm honored to be part of tonight's celebration and Judy and I are delighted to share this occasion with members of the External Advisory Committee, faculty and students of the Division, and friends.

Nominally, we are celebrating the 25th anniversary of the creation of the MS and PhD degree programs in nutritional sciences. In truth, we are celebrating the intellectual history of nutritional sciences at the University of Illinois, which far transcends this mere quarter of a century.

The Division of Nutritional Sciences had its genesis not 25 years ago, of course, but three-quarters of a century ago, with animal scientist Harold Mitchell, who joined the

faculty here in 1911. Professor Mitchell and, later, the venerable biochemist Will Rose unlocked important doors to understanding how amino acids—the building blocks of proteins—sustained animal and human life.

R.H. Barnes, then dean of Cornell's Graduate School of Nutrition, praised Illinois' nutritional sciences at a 1962 symposium. Said he: "I am certain that no institution in the world can surpass the extensive studies of nutritional relationships in different animal species that have been conducted on the campus of the University of Illinois."

The Division we honor tonight is prototypical of interdisciplinary programs that characterize the University of Illinois. There are incredible cross campus ties in this program. Nutritional Sciences was way ahead of its time in interdisciplinary training, yet, it managed to do so without offending the sensibilities of the departments; it serves as a great model for other programs to follow.

The Division is a major contributor to the Medical Scholars program, helping to create a new generation of medical scientists. It has stimulated research with many hospitals such as Carle and the Danville VA Hospital. I gather that the Division has conferred more than 200 MS and PhD degrees, which is no small accomplishment considering the relatively short time of the program's existence.

With literally hundreds of examples to chose from, I've picked just four illustrations of why the Division of Nutritional Sciences deserves the celebration it is accorded this evening.

The term Illinois Ideal Protein is familiar world-wide in animal science, and more recently, in assessing human amino acid requirements. The Illinois Ideal Protein, in short, describes the perfect amino acid mixtures for ideal growth of animals, such as swine and poultry. Two of our faculty members, H.M. Scott and David Baker developed it. The Illinois Ideal Protein is important for two reasons. First, it enhances researchers' abilities to define precise dietary requirements of animals. Secondly and more importantly, it allows farmers to feed their pigs and poultry efficiently, which means they get to market more quickly—at

higher quality and ultimately cost the consumer less.

My second example is a modern-day story of the Three Bears. Not far from here live three black bears: U.P. (for Upper Peninsula), Caruso and Armonzo. Professor Ralph Nelson of our College of Medicine will not let the trio get a decent night's sleep in the winter. He has become world renown for his metabolic studies on East Central Illinois' hibernating bears and is fascinated by their ability to spend months in their den without eating, drinking or voiding waste. They don't lose bone mass, for one thing. Dr. Nelson's work has shown potential to find new approaches to human health, including the all-too-frequent problems of osteoporosis, kidney failure and eating disorders.

The third illustration is beta-carotene. Today, you cannot pick up a health magazine or turn on the TV news without seeing stories about beta-carotene and disease prevention. Beta-carotene is one of 500 carotenoids in nature; many provide the yellow, orange or red pigments in foods. It now appears that eating fruits and vegetables high in carotenoids is associated with reduced cancers, notably lung cancer, and reduced risk of heart disease, and protection from cataracts. If you didn't believe it when your mother said to eat your carrots because they were good for your eyes, maybe you'll believe several of your colleagues from both our campuses who have been at the leading edge of research into this exciting field for more than a decade.

Finally, we come to the lowly soybean. This university and the soybean are intimate friends. This campus has played a leadership role in soybean research for decades. The agronomists have not been alone in exploring the limits of the soybean and its by-products for human and animal feeding. Nutritional scientist Susan Potter and other division faculty, for example, recently carried out a pivotal soybean feeding study at the VA Hospital in Danville. The team showed that adding soy protein to the diets of men whose cholesterol count was too high could reduce the total and the so-called LDL cholesterol levels. A new study by Dr. Potter's group will evaluate soy's influence on cholesterol in postmenopausal women.

So from Mitchell and Rose to Baker, Nelson, Potter and many others, the Nutritional Sciences faculty of the University of Illinois are rich in the breadth and fullness of their intellectual strength. In the relatively brief period, the Division of Nutritional Sciences has brought honor to its members and to the University. You have established new intellectual frontiers and have extended your interactions to the Chicago campus, and indeed, well beyond the confines of the University of Illinois. For that we are all grateful, and it is these accomplishments that we celebrate tonight.

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