



Nutritional Sciences News

Fall 1995, Volume 8



A Word from the Editors

It is our pleasure to bring you this edition of *Nutritional Sciences News*. Thanks to all faculty, students, and alumni who provided information or otherwise contributed to this issue. A special thanks to Linda Barenthin of the Division office for all her help in compiling this information. We would like to see even more people contribute next year. Alumni, please inform the Division office of any address or position changes. Have a wonderful, productive year!

Thank you,

Joan O. Ham

and

Tracy Gautsch

From the Director

As most of you are aware, the Division of Nutritional Sciences is assigned administratively to the College of Agriculture although our faculty and students reside in six colleges. Our College of Agriculture has undergone major reorganization and a name change (Agricultural, Consumer and Environmental Sciences) as of August 21, 1995. The major units in this new college are listed below along with the new logo.

College of Agricultural, Consumer and Environmental Sciences (ACES)



Department of Agricultural Engineering
Department of Animal Sciences
Department of Crop Sciences

Department of Agricultural and Consumer Economics
Department of Food Science and Human Nutrition
Department of Human and Community Development
Department of Natural Resources and Environmental Sciences
Division of Nutritional Sciences

Reg Gomes, Dean of the College since 1989, departed for a new position as Vice President of Agriculture and Technology for the University of California system. He was a good friend of the Division and will be missed by us and the entire College. David Chicoine, former head of the Department of Agricultural Economics, is Interim Dean. Currently the College of ACES is searching for a permanent Dean.

A number of alumni have asked how these changes affect the Division programs. It is our assessment that there should be little impact of College reorganization on the Division. If you have any questions

regarding the College reorganization, don't hesitate to call me (217-333-4177).

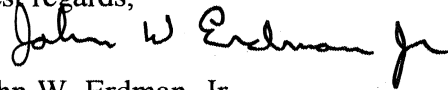
This past year has been a strong one for the Division. We awarded 18 advanced degrees, probably our highest ever. Despite a slow economy, our graduates are finding excellent positions in industry and academia.

Plan on visiting with former and current Nutritional Sciences students and faculty at the joint College reception during the 1996 Experimental Biology meetings in Washington, DC. Look for a U of I Mixer sign (Tuesday evening, April 16, 1996). In regards to that meeting, congratulations to former Division Director, John Milner, who

is serving as President of the American Institute of Nutrition for this year and will preside over the AIN portion of the 1996 Experimental Biology meeting.

Thanks go to Division students Joan Ham and Tracy Gautsch for assisting with the preparation of the Newsletter this year. Our goal next year is to hear from most of the 220 graduates of the program.

Best regards,



John W. Erdman, Jr.

Invited Lecturers Present Seminars

During academic year 1994-1995, eight scholars presented seminars to NS faculty and students. Dr. Robert Collier, Dairy Research Director and Senior Fellow at Monsanto Agricultural Company, discussed "Biology of Placental Lactogen". Division alumnus, Dr. James Shoemaker (Ph.D., M.D., 1984), Department of Biochemistry at St. Louis University Medical Center presented "Combined Functional Testing of Water-Soluble Vitamin Deficiency by Gas Chromatography - Mass Spectrometry". Dr. Douglas Burrin, Research Physiologist, USDA Children's Nutrition Research Center at Baylor University College of Medicine, spoke about "Role of Colostral-Borne Growth Factors in Neonatal Protein Metabolism". Dr. John Potter (M.D., Ph.D.) of the University of Minnesota, gave the Burroughs-Wellcome lecture titled,

"Your Mother was Right - Eat your Vegetables: an Epidemiologist's View of Diet and Cancer". Division alumna, Joanne Curran-Celentano (Ph.D., 1982), spoke on "Macular Pigment Carotenoids and Age-Related Macular Degeneration". Dr. Richard Shields, Jr., Director of Pet Nutrition at Quaker Oats Co., presented "The Art and Science of Feeding Cats and Dogs". Former Division faculty member, Dr. Dale Bauman, Professor of Animal Science at Cornell University, discussed "Manipulating the Efficiency of Bovine Lactation". Dr. Hector DeLuca, Professor of Biochemistry at the University of Wisconsin, lectured on "Vitamin D and its Metabolites: Basic Science to Practical Application" as part of the Nutrition Symposium '95.

New Research Interests

James Drackley: Intermediary metabolism in intestine and liver of dogs and cats.
Shelly Schmidt: Structure-function relationship of A.E. Staley's carbohydrate-based fat, STELLAR®.
Matthew Wallig: GLP studies for safety and efficacy of animal foods.

New Faculty Elected to the Division

The Division of Nutritional Sciences welcomes four new faculty members. Dr. M. Susan Brewer, Associate Professor in the Department of Food Science and Human Nutrition, studies food safety and sensory characteristics of foods. Dr. Tim Garrow, Assistant Professor, Department of Food Science and Human Nutrition, studies folate and one-carbon metabolism; the significance of dietary choline as a methyl group donor for methionine synthesis; nutrient and hormonal regulation of betaine; homocysteine methyltransferase expression; and homocysteinemia. Dr. Rodney

Johnson, Assistant Professor of Integrative Biology, Department of Animal Sciences, studies the neurobiology of proinflammatory cytokines, with particular emphasis on the role of brain-derived cytokines in anorexia and metabolic dysfunction during acute and chronic disease. Dr. Patricia J. O'Morchoe, M.D., Associate Head and Professor, Department of Pathology, University of Illinois College of Medicine, studies the structure and function of the lymphatic system; endothelial transport mechanisms; and atherogenesis.

International Activities of NS Faculty

Dr. Bruce Chassy was a participant in the European Community Lactic Acid Bacteria Symposium in Cork, Ireland.

Dr. Sharon Donovan presented "Oral Administration of Formula Containing Insulin-like Growth Factor-I (IGF-I) to Neonatal Piglets: Absorption and Intestinal Responses" at the 7th International Conference of the Society for Research in Human Milk and Lactation in Tlaxcala, Mexico, July 1995.

Dr. John W. Erdman, Jr. attended the Second International Congress on Antioxidant Vitamins and β -carotene in Berlin and gave a seminar on carotenoid

absorption and metabolism in Dusseldorf, Germany. In addition, he presented two talks on the bioavailability of nutrients in Quito, Ecuador.

Dr. H. Rex Gaskins presented research on intestinal immunology at the 19th International Congress on Microbial Ecology and Disease in Rome, Italy, September, 1994.

Dr. James Robinson attended the WAAP-FAO Symposium "Supplying Livestock Products to Rapidly Expanding Urban Populations" in Seoul, Korea, May, 1995.

Faculty Give National Lectures

Dr. David Baker gave presentations on Ideal Protein at Biokyowc Amino Acid Conference in St. Louis, MO; at the Cornell Nutrition Conference in Rochester, NY; and at the Carolina Nutrition Conference in Charlotte. He spoke on "Lysine Needs for Lean Growth of Pigs" at Smith-Kline Conference in Palm Springs, CA. "Modeling Amino Acid Requirements" was his topic for the Cargill Symposium in Minneapolis. Dr. Baker also lectured on "Ideal Amino Acid Ratios for Swine and Poultry" at the Feed Specialties Conference

in Ames, IA and at the Central Soya Seminar in Fort Wayne, IN. He presented "Minimizing Pollution by Using Ideal Amino Acid Ratios" at the University of Georgia, Athens and at Virginia Tech in Blacksburg.

Dr. Karen Chapman presented "Longitudinal Assessment of Elderly Veterans" at Experimental Biology 95 in Atlanta, GA. She also moderated and gave presentations at a session on Impact Indicators at the Society for Nutrition Education in Washington, D.C.

Dr. Sharon Donovan lectured on "Absorption of Orally Administered Iodinated Insulin-like Growth Factor-I (IGF-I) by the Neonatal Piglet" at Experimental Biology 95 in Atlanta, GA. She also presented work on "Orally Administered IGF-I Stimulates Intestinal Development Without Exerting Systemic Effects" at the Endocrine society meetings. Dr. Donovan was invited to speak about "Growth Factors: Roles in Normal Intestinal Development and During Repair" at Texas A&M University in January, 1995 and at the USDA Children's Nutrition Research Center in Houston, TX in February.

Dr. James K. Drackley gave an invited lecture, titled "Ketosis in Postpartum Dairy Cows: Current Status and Future Prospects" at the annual meeting of American Dairy Science Association in Ithaca, NY in June, 1995.

Dr. John W. Erdman, Jr. provided invited lectures for the Oklahoma Dietetics Association, Southern California IFT, Tufts University and the NutraSweet Company. He also co-chaired the Second Gordon Conference on Carotenoids in California.

Dr. George Fahey spoke on "Dietary Fiber Inclusion in Specialty Food" at AFIA Specialty Foods Group in St. Louis, MO. He presented "Practical Considerations in Feeding Dietary Fiber to Companion Animals" at PetFood Forum 95 in Chicago in April; and "Environmentally Friendly Methods to Process Crop Residues to

Enhance Fiber Digestion" at the International Symposium on Nutrient Management of Food Animals to Enhance the Environment at Virginia Tech in Blacksburg in June.

Dr. Tim Garrow gave a lecture at the 35th Annual Meeting of the American College of Nutrition.

Dr. H. Rex Gaskins presented research on intestinal immunology at the International Symposium on Virulence Mechanisms of Bacterial Pathogens at Iowa State University in June, 1994.

Dr. Shelly Schmidt presented four papers at the Institute of Food Technology meeting in Anaheim, CA.

Dr. Neil Shay presented his work at Experimental Biology 95 in Atlanta, GA and at the Neuroscience Society meetings.

Dr. Matthew Wallig served as a group facilitator and presented "Niche Applications" at Animal Products 94: Animal Co-products Utilization Workshop, sponsored by USDA-CSRS Office of Agricultural Materials in Kansas City, MO, October, 1994. He was invited to speak on "Cyanohydroxybutene - the Forgotten Cruceriferous Compound" at the Chemical Industry Institute of Toxicology, Research Triangle Park, NC in April, 1995. He also presented his research at the Society of Toxicology meeting in Baltimore, MD; at the Society for Toxicological Pathologists in San Diego, CA; and at Experimental Biology 95 in Atlanta, GA.

Faculty News

Dr. James K. Drackley welcomed home his third son, Andrew, on February 13, 1995.

Dr. Elizabeth Jeffery is on sabbatical this year at the MRC Toxicology Unit in Leicester, England.

Dr. Patricia Johnston retired in May from the University of Illinois. Although retired, she will be maintaining an office.

In his retirement, Dr. Arthur Siedler says "the fishing has only been fair".

Professional Activities of NS Faculty

Dr. David Baker was appointed to the National Research Council Subcommittee on Nutrient Requirements of Swine.

Dr. Bruce Chassy was recently appointed to the FDA Advisory Council to provide scientific oversight to FDA.

Dr. James Drackley was elected secretary-treasurer of Midwest Section, American Dairy Science Association. He chaired the Health Committee of the American Dairy Science Association, and organized Health Section sessions for the 1995 annual meeting.

Dr. Sharon Donovan was selected as a "Dairy Expert" for the Dairy Coalition BST Infoline, Washington, DC. She serves as a member of the Editorial Review Board for "Fast and Healthy", a bimonthly health and nutrition magazine published by Pillsbury.

Dr. John W. Erdman, Jr. was chair of the Committee on Nominations and Elections for IFT and is vice-chair of the Food and Nutrition Board of the Institute of Medicine, National Academy of Sciences. He has recently been appointed to a three-year term as a member of the Food, Nutrition and Safety Committee of ILSI-North America.

Dr. George Fahey serves on the Editorial Boards for *Journal of Dairy Science* and *Journal of Nutrition*. He is a member of the Committee on Animal Nutrition, National Research Council and the Editor's Operations Advisory Committee of the American Society of Animal Science.

Dr. H. Rex Gaskins serves on the Editorial Boards for the *Journal of Nutrition* and *Animal Biotechnology*. He also serves as a member of the NIH/JDF Program Project Grant Review Committee.

Dr. Neal Merchen is Chairman of the UI Campus Laboratory Animal Care Advisory Section. He serves as the Section Editor on Ruminant Nutrition for the *Journal of Animal Science*.

Dr. William O'Brien, Jr. has been appointed as Director of the Bioacoustics Research Laboratory in the Department of Electrical and Computer Engineering at the U of I. He serves as Editor in Chief of *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*.

Dr. Patricia J. O'Morchoe is Associate Editor of *Lymphology*. She serves on the Education Policy Committee and the Student Progress and Promotion Committee at the College of Medicine. She also serves on the Research and Development Committee at the VA Medical Center in Danville, IL.

Dr. James Robinson serves as a reviewer for *Journal of Nutrition*.

Dr. Suzanne Trupin was appointed as board examiner for the American Board of Obstetrics and Gynecology.

Dr. Matthew A. Wallig serves as a reviewer for *Veterinary Pathology*, *Toxicology Letters*, and *Applied Pharmacology*. He is also an ad hoc reviewer for USDA-NRI.

Grants and Research Support

Federal Grants

NIH

Dr. H. Rex Gaskins received a NIH First Award to study "Molecular Dissection of IFN- γ -treated Pancreatic Beta Cells".

Dr. Neil Shay has received a NIH grant to investigate "Zinc Deficiency and Hypothalamic Dysfunction".

USDA

Drs. John W. Erdman, Jr. and Neal Merchen have received a three-year renewal of their grant to study the absorption and metabolism of carotenoids.

Dr. H. Rex Gaskins (co-investigator Dr. Federico Zuckermann, Department of Veterinary Pathobiology) has received funding to investigate "Porcine T Cell Differentiation".

Dr. Matthew A. Wallig was awarded a two-year grant for "Safety and Efficacy Studies with Crambe Meal" from USDA-CSRS, Office of Agricultural Materials (HEADE).

US Geological Survey

Dr. Elizabeth Jeffery was awarded funding to study "Aluminum-Iron Interactions and Gene Toxicity".

Private Industry and Foundation Support

Dr. David Baker received a grant from Nutri-Quest to investigate "Efficiency of Utilizing Amino Acids for Maintenance and Protein Accretion". He also received funding from ADM to study "The Role of Methionine and Threonine in Avian Nutrition" and from Degussa, Inc. for "Studies with Threonine Isomers".

Dr. James Drackley has received a grant from Lonza, Inc. to study "Carnitine for Dairy Cows: Postruminal Dose Response", and from Iams, Co. to investigate "Metabolic Fuel Utilization by Canine Intestinal Cells". Along with co-investigator Dr. Jimmy Clark, he received funding from DuPont Agricultural Products for "Evaluation of Top Cross High-oil Corn for Dairy Cows".

Dr. John W. Erdman, Jr. received an unrestricted award to support research from Kraft General Foods, Inc.

Dr. George Fahey has received funding from DuPont to investigate "Genetically Modified Grains in Companion Animal

Diets"; from Viskase Corp. to study "Cellulose Casings as a Potential Fuel Ingredient for Ruminants"; and from Ross Laboratories for "Oligosaccharides Modify Cecal and Fecal Short Chain Fatty Acids, pH and Microbiota in Rats".

Dr. Tim Garrow was the recipient of the Future Leader Award from the International Life Sciences Institute, which carries a monetary award for development of research. He has also received funding from the Illinois Affiliate of the American Heart Association.

Drs. Neal Merchen and James Drackley received a two-year grant for the "Evaluation of Meat and Bone Meal as a Source of Amino Acids for Nutrients" from the Fats and Proteins Research Foundation.

Drs. Susan Potter and John W. Erdman, Jr. received supplemental funding from the Illinois Soybean Program Operating Board and from Protein Technologies International to continue researching the hypocholesterolemic properties of soy protein in post-menopausal women.

Dr. Neil Shay was awarded a grant from Whitehall Foundation to investigate the relationship between the brain, control of appetite, and eating disorders.

Institutional Grants

Dr. James Robinson has received a teaching enhancement grant from the Karl E. Gardner Endowment, College of Agriculture, UIUC to develop a new course for freshmen and sophomores on "World Animal Resources".

Faculty Awards and Honors

Dr. David H. Baker was named Fellow of the Poultry Science Association.

Dr. James K. Drackley was promoted to Associate Professor.

Dr. Sharon Donovan received the Young Investigator Award by the International Society for Research in Human Milk and Lactation, which is given to recognize a junior faculty member whose work is beginning to gain national and international

recognition. She was also named to the Incomplete List of Teachers Ranked as Excellent by Their Students, UIUC.

Dr. George Fahey received the Distinguished Service Award from Farmland Industries, Kansas City, MO.

Dr. Tim Garrow received both the International Life Sciences Institute Future Leader Award and the American College of Nutrition New Investigator Award.

Dr. Elizabeth Jeffery was elected to the Education Committee, Society of Toxicology.

Dr. Michael Murphy was promoted to Professor.

Dr. Patricia J. O'Morchoe received the University of Illinois at Chicago Award for Excellence in Teaching.

Dr. Jan Novakoski was promoted to Professor.

Dr. Jack Odle received the Mead Johnson Award from the American Institute of Nutrition and the Young Investigator Award

from the American Society of Animal Science.

Dr. Shelly Schmidt was promoted to Professor and was named a University of Illinois University Scholar.

Dr. Arthur J. Siedler was named the 1994 Certificate of Merit Outstanding Faculty Member. He was commended for his upbeat and positive attitude and for his valuable counsel, which he readily gives to faculty, staff, and students. He has also been elected Chairman of the Chicago Section of the Institute of Food Technology.

External Advisory Committee

Each year, the Division of Nutritional Sciences is evaluated by an External Advisory Committee. Committee members are selected by the Division from industry and academe around the nation to provide outside viewpoints on the quality and emphasis of the NS program. We would like to thank the members for their time and effort in assisting Nutritional Sciences to continue to improve its high caliber program. Here are the 1994-95 academic year committee members.

Dr. Sandra J. Bartholmey
Manager of Nutrition
Gerber Products Company

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

Dr. David A. Cook
Vice President
Science & Technology
Mead Johnson Nutritional
Group

Dr. Cecile Hoover Edwards
Professor of Nutrition
School of Human Ecology
Howard University

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

Dr. Guy Johnson
Director of Nutrition
The Pillsbury Company

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

Dr. Eric L. Lien
Sr. Director, Nutritional
Research
Wyeth-Ayerst Laboratories

Dr. Richard G. Shields, Jr.
Director, Pet Nutrition
Quaker Oats Co.

Dr. Kenneth T. Smith
Associate Director
Food & Bev. Techn. Div.
The Procter & Gamble Co.

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

NS Welcomes New Students

Ten new graduate students joined the Division this past year. Joshua Anthony (B.S., Biology and Chemistry, Carnegie-Mellon University) is

working towards his M.S. degree with Dr. Donald Layman. Stephanie Block (B.S., Animal Sciences, UIUC) is studying for her M.S. with Dr. John

Erdman. Thomas Boileau (B.A., Biology and Chemistry, Greenville College, Greenville, IL) is also working towards a M.S. with Dr. John

Erdman. Maria Ezzatkah (B.S., Electrical Engineering, University of Massachusetts) is a Master's student with Dr. William O'Brien. Elizabeth Flickinger (B.S., Animal Sciences, UIUC) is a M.S. student under the supervision of Dr. George Fahey. Sharon Hedrick (M.S., Health Education, UIUC) is working towards

her Ph.D. under the supervision of Dr. Neil Shay. Wei-Wen Kuo (M.S., Nutrition and Food Science, Fu Jen Catholic University) is studying for her Ph.D. with Dr. Elizabeth Jeffery. Genoveva Murillo (M.S., Human Nutrition, UI Chicago) is a student in the joint UIUC/UIC Ph.D. program under the direction

of Dr. Savitri Kamath. Claudia Tovar Palacio (Titulo in Pharm. Chem. Biol., University Nacional Autonoma de Mexico) is a M.S. student working with Drs. Neil Shay and Susan Potter. Xun Shi (B.S., Biochemistry, UIUC) is working towards her M.S. with Dr. Tim Garrow.

Class of 1994

The Division granted advanced degrees to 13 students during academic year 1994-95. Some are working in industry, while others have chosen to stay in academic life as either professionals or students continuing with their education. We wish them continued success!

October 1994

Sean Adams (Ph.D.) - NSF-NATO Postdoctoral Research Fellow at Universitat de Barcelona, Facultat de Farmàcia in Barcelona, Spain.

Frantzie Balmir (Ph.D.) - M.D. candidate, College of Medicine, UIUC.

Jason Emmert (M.S.) - Doctoral candidate, Nutritional Sciences, UIUC.

Patricia Miers (Ph.D.) - Nutrition Consultant, Ridgecrest, CA.

Gregory Paul (Ph.D.) - Postdoctoral Fellow, Department of Food Science and Human Nutrition, UIUC.

Joan Rokusek (M.S.) - Dietetic Internship, St. Francis Medical Center, Peoria, IL.

Jin Rong Zhou (Ph.D.) - Postdoctoral Fellow, New England Deaconess Hospital, Boston, MA.

January 1995

Manuel Baldeon (M.S.) - Doctoral candidate, Nutritional Sciences, UIUC.

Mimi Chan (M.S.) - Dietetic Internship, New York Hospital, New York.

Marcia Monaco (Ph.D.) - Postdoctoral Fellow, Department of Food Science and Human Nutrition, UIUC.

May 1995

Brent Flickinger (Ph.D.) - Postdoctoral Fellow, Department of Biochemistry, University of Texas Health Science Center, San Antonio, TX.

Mary Larson (Ph.D.) - DVM candidate, College of Veterinary Medicine, UIUC.

Jia Yao (M.S.) - seeking employment in China.

NSGSA Activities

The 1994-95 academic year was another active and productive one for the Nutritional Sciences Graduate Student Association (NSGSA). NSGSA activities in Summer and Fall 1994 were lead by officers Joan Ham (co-chair), Joy Campbell (co-chair), Jason Emmert (treasurer), and Mary Larson (secretary). NSGSA sponsored a picnic in early September at the home of Division faculty member, Sharon Donovan, and hosted the Fall 1994 new student reception. The fourth annual Faculty Award was presented to Dr. Jack Odle, in recognition of his dedication to graduate education and support of NSGSA activities. New officers were elected near the end of the Fall semester. They are: Joy Campbell (co-chair), Sean Barnes (co-chair), Ed Kao (treasurer), and Joshua Bomser (secretary). The third annual joint holiday party with the Department of Food Science and the Division of Foods and Nutrition brought the year to an end.

The fourth annual student-faculty Nutrition Bowl was held in February, 1994. Three teams, each comprised of one faculty member and several graduate students, competed in a "Jeopardy" format

on a wide variety of nutrition-related topics. The winning team included Dr. Sharon Donovan, Tracy Gautsch, Rick Staack, and Heather Muir. Nutrition Symposium '95 was held just prior to the Experimental Biology meeting in April. The second year of the symposium, organized by NSGSA, gave graduate students an opportunity to share their research not only with students and faculty from the Division, but also with other departments at UIUC and neighboring universities, as well as health professionals in the community. Dr. Hector DeLuca from the Department of Biochemistry, University of Wisconsin gave the keynote address: "Vitamin D and its Metabolites: Basic Science to Practical Application". Graduate students Manuel Baldeon, Joshua Bomser, Marc Dicklin, Tracy Gautsch, Tia Rains, and Rick Staack were presented travel awards by the Division for their outstanding poster presentations at the symposium. The academic year was brought to a close with a picnic (sponsored jointly by the Division, Food Science, and Foods and Nutrition), during which Dr. Patricia Johnston was recognized in honor of her retirement.

NS Graduate Student Awards

Twice each academic year, the Division presents travel awards to students to support attendance at scientific meetings. In Fall 1994 the following students received grants: Joshua Bomser, Tracy Gautsch, Ziwen Guo, Joan Ham, Vicki Houle, Susan Kandl, Mary Larson, Guixiang Li, Tia Rains, and Amy Randall. Spring 1994 travel awards were given to: Jill Cline, Maoxin Wu, Xingxing Yu, and Elizabeth Paisley.

The Division also presents awards for excellence in student research. The 1995 recipients were Manuel Baldeon, Joan Ham, Guixiang Li, Kavita Patel, Tia Rains, Amy Randall, Aparna Reddy, Richard Staack, and Ping Sun.

Graduate Student Presentations

Nutritional Sciences students presented their research at scientific meetings during the 1994-95 academic year.

Experimental Biology 95

JoAnn Baum - Effects of Soybean Isoflavones on Serum Lipid Profiles.

Joshua Bomser - Induction of NAD(P)H: (quinone-receptor) Oxido-reductase in Murine Hepatoma Cells (Hep 1c1c7) by Fruit (*vaccinium*) Extracts.

Jill Cline - Effect of Vitamin A on Serum Retinyl Esters in Dogs.

Marc Dicklin - Effects of Emulsification, Fatty Acid Chain Length, and Age on the Utilization of Medium Chain Triglycerides (MCT) by Neonatal Pigs.

Carrie Earthman - Comparative Case Analysis Relative to Energy Expenditure for Bronchitic vs. Emphysemic Pulmonary Patients.

Jason Emmert - 1,25-dihydroxycholecalciferol Acts Additively with Microbial Phytase to Release Phosphorous and Zinc from Phytate Present in Soy-based Diets.

Deshanie Ganessunker - Energy Expenditure in Chronic Obstructive Pulmonary Disease (COPD) Subjects During Five Conditions as Measured by Infrared Thermography.

Tracy Gautsch - Growth Hormone Stimulates Early Growth Recovery After Prolonged Food Restriction I. Changes in Muscle and Somatic Growth.

Ziwen Guo - Phospholipid Transfer Protein (PLTP) Secreted by Human Hepatoma Cell Line, Hep G2.

Joan Ham - Secondary Benefits to Threats to Internal Validity in Nutrition Education Research.

Vicki Houle - Orally Administered Insulin-like Growth Factor-I (IGF-I) Stimulates Neonatal Piglet Intestinal Development.

Susan Kandl - Growth Hormone Stimulates Early Growth Recovery After Prolonged Food Restriction II. Changes in Insulin-like Growth Factor-I (IGF-I).

Mary Larson - Infant Formula Proteins Affect Blood Lipids in Neonates.

Liz Paisley - Isolation of Diet Regulated Genes Through Differential Display.

Tia Rains - Normal Diurnal Patterns of Macronutrient Selection by Rats is Disrupted by Zinc Deficiency.

Chaoshen Yuan - Secretion of Phospholipid Transfer Protein (PLTP) of CACO-2 Cells.

National American Society of Animal Sciences

Jason Emmert - Protein Quality Assessment of Soy Products, Pork Loin, and Casein.

Digestive Disease Week

Joy Campbell - Effects of an Ulcerative Colitis Nutritional Formula on Cecal and Colonic Mucosal Prostaglandin Synthesis in Pigs.

Poultry Science Association

Jason Emmert - Betaine-Homocysteine Methyltransferase: Effect of Varying Levels of Dietary Cystine, Methionine, Choline, and Betaine in Chicks.

Society for Nutrition Education

Joan Ham - Process Evaluation of Diabetes Education Programs in Illinois; and Attitudes, Beliefs, and Dietary Adherence in Elderly Diabetic Patients (outstanding student research award).

Fellowship and Scholarship Winners

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

Sean Barnes: National Institute on Alcohol Abuse and Alcoholism;

Joshua Bomser: University of Illinois Graduate College Fellowship;

Joy Campbell: Jonathan Baldwin Turner Fellowship;

Jason Emmert: Jonathan Baldwin Turner Fellowship;

Deshanie Ganessunker: South African Education Program Scholarship;

Mary Larson: American Heart Association;

Guixiang Li: University of Illinois Graduate College Fellowship;

Shanqin Xu: University of Illinois Graduate College Fellowship

Students Attend National Policy Conference

In April, the Division sponsored JoAnn Baum, Ed Kao, Vicki Houle, and Yasmeen Hasan to participate in the International Life Sciences Institute's National Nutrition Policy Seminar, held each spring in Washington, D.C. Dr. Tim Garrow accompanied them. The group spent several days learning about national food and nutrition policy and discussing policy issues with representatives from federal agencies, congressional committees, and lobbying groups.

Alumni News

1969

Mary Jacob (Ph.D.) continues as a Professor in the Department of Home Economics at California State University in Long Beach. She will be on sabbatical during Spring, 1996 at the USDA in San Francisco, working on body composition and aging.

1972

Race L. Kao (Ph.D.) continues as Professor of Surgery and Physiology at East Tennessee State University in Johnson City. He was recently awarded an NIH grant and a Veterans Affairs review grant. His daughter, Elizabeth, obtained her M.D. in May, 1995.

George Klatt (M.S.) is the Regional Nutritional Coordinator for the Chicago Department of Public Health.

Roger Mellenberger (Ph.D.) continues work as Professor in the Department of Animal Sciences at Michigan State University.

Tara Mehta (Ph.D.) is Head of the Department of Biochemistry, Faculty of Science, M.S. University in Baroda, India. Her research focuses on immune function and thyroid status; trace mineral status; and dietary fat.

1975

Kailash Mathur (Ph.D.) continues as Professor and Advisor to the Nutritional Sciences Graduate Program at South Carolina State University in Orangeburg, and as Adjunct Professor of Nutrition at the Medical University of South Carolina in Charleston. He has been appointed to serve on the National Nutrition Monitoring Advisory Council by President Clinton. He also has a new grandson, Akash.

1976

Guy Johnson (Ph.D.) continues work as Director of Nutrition for Pillsbury in Minneapolis, MN. He is Chair of International Life Sciences Institute's Food, Nutrition and Safety Committee; serves on the External Advisory Committee for the Division, and is also a member of the Nutrition Guidelines Advisory Panel for the National Cancer Institute's 5-A-Day Program.

1978

Warren J. Croom (Ph.D.) continues as Professor of Animal Science and Physiology at North Carolina State University in Raleigh. His student, Dr. Tony Bird, received the Kenneth Keller Award, which is given annually to the most outstanding Ph.D. research in the College of Agriculture and Life Sciences, NC State.

1979

Larry Lawson (Ph.D.) continues as a Research Scientist at Murdock Madaus Schwabe in Springville, Utah. He is the co-editor of a 1995 book on garlic.

Dan Schaefer (Ph.D.) continues as Professor of Meat and Animal Science at the University of Wisconsin in Madison. He gave an invited presentation, "Enhancing color and shelf life of meat products by antemortem incorporation of vitamins into animal tissues", at a symposium on Modifying Animal Food Products, sponsored by the Canadian Society of Animal Science in Ottawa.

1981

Tom Edes (M.S.) continues as Chief of Geriatrics and Extended Care at the Harry S. Truman VA Hospital and Associate Professor of Medicine at the University of Missouri School of Medicine in Columbia, MO. He serves as Associate Director of the White House Conference on Aging Office, and was responsible for staffing the White House Conference on Aging held in May,

1995. Division alumnus, Chris Poor (M.D., Ph.D., 1994) is working with Tom as time allows during his residency program in family practice at the Truman VA Hospital.

1982

Gilbert Boissonneault (Ph.D.) has recently been promoted to Chairman of the Department of Clinical Sciences in the College of Allied Health Professions at the University of Kentucky in Lexington. He serves on the editorial board for the *Journal of Optimal Nutrition*, as an ad hoc reviewer for several others, including *Journal of the American College of Nutrition*, *Journal of Lipid Research*, and *Journal of Nutrition*, and as a reviewer for USDA grants.

Lisa Marshall (Ph.D.) works as Head of the Department of Inflammation Pharmacology at SmithKline Beecham Pharmaceuticals in Philadelphia. She served as a workshop chairman for the International Inflammation Research Association Conference.

1983

Edward J. Basgall (Ph.D.) has moved and is now a Research Associate in the Department of Chemistry at Penn State University, State College, PA. He is developing analytical applications of tof-sims to biological cells and tissues. He was married to Betsy Robertson in May, 1993.

Lisa Reich (M.S.) is Senior Product Manager, Bard Vascular Division at C.R. Bard in Haver Hill, MA.

1984

JoAnn Daehler-Miller (M.S.) has moved and is a consulting dietitian at the Ottumwa Regional Medical Center in Iowa. She continues to do some consulting for the Minnesota Department of Health WIC Program.

Matthew Keenan (Ph.D.) is an Associate Professor in Human Nutrition and Food, School of Human Ecology, Louisiana State

University in Baton Rouge. He recently became chair of the Graduate Studies Committee for the School, which assists the Director in overseeing the Ph.D. and M.S. programs. His wife, Donna, and children, Colleen, Chris, and Chad, are doing well.

Barbara A. Kochanowski (Ph.D.) is the Section Head for Health Care Product Development at Procter and Gamble in Cincinnati, OH. She administers the Procter and Gamble/AIN Graduate Student Awards and serves on the external advisory board for the Rutgers Nutrition Program.

Carolyn Spriggs Muchna (M.S.) works as a private consultant in the Donnellson, IA area. Her four children, Jessica, Matthew, Amy, and Mollie are all doing well.

Kenneth Poirier (Ph.D.) continues as Gastrointestinal Regulatory Affairs Manager at Procter and Gamble in Cincinnati, OH.

1985

Laura M. Rosch (M.S.) is Medical Director at Wellspring Family Care in Palatine, IL.

1986

Chris Hatlestad (M.S.) continues as a family practice physician at the Columbia Valley Medical Group in Longview, WA. His daughter, Kari Anne Hatlestad, was born on April 28, 1995.

Lynn Janas Horswill (Ph.D.) is now self-employed, doing scientific writing on a contract basis. She is also Adjunct Assistant Professor at the Chicago Medical School/Finch University of Health Sciences, Department of Nutrition and Clinical Dietetics.

Lisa Maria Olson (Ph.D.) is now Assistant Professor of Reproductive Biology at Washington University School of Medicine in St. Louis, MO. Her first child, Philip Daniel Cok, arrived on July 20, 1994.

Anne M. Smith (Ph.D.) has been promoted to Associate Professor in the Department of Human Nutrition and Food Management at the Ohio State University in Columbus. In 1995, she was given an Outstanding Teacher Award in the College of Human Ecology. She is President-Elect of the Columbus, OH Dietetic Association.

1987

Yu-Tsyr Li (M.S.) continues as Senior Research Scientist at Advanced BioAnalytical Services in Ithaca, NY. She has two children, Tammy Hsieh (5 years old) and Austin Hsieh (3 1/2 years old).

1988

Ronald D. Cotterel (M.S.) continues as Assistant Clinical Professor in the Department of Family Practice at the School of Medicine at the University of California, Davis. He also works with Sutter West Medical Group.

Shelley McGuire (M.S.) now works as a Research Scientist in the Animal and Veterinary Science Department at the University of Idaho.

Melissa Meredith (M.S.) is an Assistant Professor of Medicine in the Department of Endocrinology and Metabolism at the University of Wisconsin Hospital and Clinics in Madison, WI.

Melissa Hendrix Olken (Ph.D.) is Interim Program Director and Core Faculty Member in the Department of Internal Medicine at St. Joseph Mercy Hospital in Ann Arbor, MI. She is also Co-Coordinator of the Nutrition Support Team there.

Melanie Shuran (Ph.D.) continues as Professor and Chair of the Department of Nutrition and Clinical Dietetics at the Finch University of Health Sciences at the Chicago Medical School.

Ray Yedinak (M.S.) continues as Manager of Quality and Technical Services at Viobin Corporation in Monticello, IL. His second daughter, Emily Kathryn, was born this past year.

1990

Samuel Ejadi (M.S.) has completed his third year of medical school at the Robert Wood Johnson Medical School of the University of Medicine and Dentistry of New Jersey. He is an associate member of the American Association for Cancer Research. He has been awarded a 1995 American Association of Clinical Pathologists Fellowship.

Hsi-chiang Lin (Ph.D.) continues work in molecular and cellular toxicology at HSPH in Massachusetts.

1991

Karen Dotson (M.S.) is self-employed as a Medical Writer. She was an invited speaker at the American Medical Writers Association annual meeting, where she was also a session chairperson. She was married in April 1995 to Gregory Wibert (Ph.D., 1992).

Alyce Fly (Ph.D.) continues as Assistant Professor of Nutrition at Indiana University in Bloomington. In March 1995, a daughter, Emily, joined siblings William (5 years old) and John (3 years old).

Matt Kuchan (Ph.D.) continues as a Clinical Research Associate in the Ross Products Division of Abbott Laboratories in Columbus, OH. He and wife Sandy welcomed their fourth child, Shannon Michaela Kuchan, on March 21, 1995.

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

1992

Wendy Hirsch (formerly Markham) (M.S.) and her husband have recently begun

serving as Christian missionaries in Innsbruck, Austria. Their first child, Carl Anthony, was born on July 8, 1994, and their second child was expected in November, 1995.

Gregory Wibert (Ph.D.) has been promoted to Senior Research Scientist at Mead Johnson and Company in Evansville, IN. He was married in April, 1995, to Karen Dotson (M.S., 1991).

1993

Alexandra Adams (Ph.D.) is a 2nd year Resident in Family Practice at the University of Wisconsin/St. Mary's Hospital in Madison, WI.

Barbara K. Fulton (Ph.D.) is now a pathology resident at the University of Virginia Health Sciences Center in Charlottesville, VA.

Yolanda Goode (M.S.) continues as a Nutrition and Health Agent with Cornell Cooperative Extension in Ostego County, New York.

Theo van Kempen (Ph.D.) continues as Product Development Coordinator in the Agricultural Research Division of American Cyanamid Company in Princeton, New Jersey. He was married in 1994.

Nicole de Leeuw (M.S.) continues as a Ph.D. candidate in molecular biology at the Department of Medical Microbiology, University Hospital in Nymegen, The Netherlands.

Julia Winter (M.S.) is a 2nd year Resident in Pediatrics at Children's Hospital in Los Angeles, CA. She was named American Academy of Pediatrics Program Representative.

1994

Sean H. Adams (Ph.D.) is a NSF-NATO Postdoctoral Research Fellow at Universitat de Barcelona, Facultat de Farmàcia in Barcelona, Spain.

Patricia Miers (Ph.D.) is Adjunct Instructor in the College of Medicine at the University of Illinois at Urbana-Champaign. Also, she is an Adjunct Assistant Professor in the Nutrition and Clinical Dietetics Department of the Finch University of Health Science in the Chicago Medical School. Finally, she is a research consultant at PGM Research in Ridgecrest, CA. She is a member of the Board of Directors of the Sage Community Health Center in Ridgecrest.

Gregory L. Paul (Ph.D.) is an NIH Postdoctoral Research Fellow in the Department of Food Science and Human Nutrition, UIUC. He received a National Research Service Award (NRSA) from the National Institutes of Health for three years to investigate the nutritional regulation of glucagon gene expression. He is engaged to Joan Rokusek (M.S., 1994). They plan to marry in May 1996.

Joan Rokusek (M.S.) is a Dietetic Intern at the St. Francis Medical Center in Peoria, IL. She is engaged to be married to Greg Paul in the spring of 1996.

Gregory D. Sunvold (Ph.D.) is a Research Nutritionist at the Iams Company in Lewisburg, OH. He has a son, Caleb Mark, born on August 14, 1994.

Jin-Rong Zhou (Ph.D.) is a Research Fellow at the New England Deaconess Hospital in Boston, MA.

1995

Mimi Chan (M.S.) will begin a Dietetic Internship at New York Hospital in New York City, NY in October, 1995.

Brent Flickinger (Ph.D.) is a Postdoctoral Fellow in Cardiovascular Research at the University of Texas Health Science Center at San Antonio Department of Biochemistry. He is supported by an Institutional National Research Service Award (NRSA). He is a member of the American Oil Chemists' Society and the American Institute of Nutrition. He is engaged to Suzanne Broussard (Ph.D., Food Science, 1993).

Marcia Monaco is a Postdoctoral Research Associate in the Department of Food Science and Human Nutrition at UIUC. She was married on June 25, 1994 to Dr. Arthur M. Siegel. They are expecting their first child in January, 1996.

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