

# Nutritional Sciences News

Division of Nutritional Sciences University of Illinois at Urbana-Champaign

VOLUME 12 NUMBER 1 FALL 1999

## • A Word from the Editor...

Welcome to the Fall 1999 edition of Nutritional Sciences News! As a soon-to-be graduate, it has certainly been interesting to see where past graduates from this division have launched their careers and made their mark in the field of nutrition. It is definitely exciting to see how diversified the opportunities are in this area. I want to thank all of the alumni, faculty, students, and staff for providing the necessary information to complete this newsletter. I am especially indebted to Linda Barenthin for all of her help and patience with this edition. Best wishes to you all as we approach the year 2000!

Sincerely,

*Annette Cole*

Annette Cole

## • A Word from the *NEW* Director...

As I consider both the opportunities and challenges facing the Division of Nutritional Sciences, my new role as its Director is at once invigorating and overwhelming. The Division has benefited under the leadership of two nationally recognized leaders in the field of nutrition, John Milner and John Erdman. I feel privileged to have been selected as the new Director and I hope to extend upon the tradition of strong leadership—even though my name is not John! I would like to particularly thank John Erdman for his friendship and mentoring during the transition. I have also been assisted greatly by members of the Division Executive Committee and Linda Barenthin. Without Linda's experience and institutional memory, this transition would have been much more difficult.

The Division has enjoyed a 31-year history and I believe continues to be one of the top nutrition graduate programs in the country. We have excellent faculty who continue to garner national awards and grant funding and serve on national committees. We are also especially proud of our present and former students who represent the best and brightest in academia and industry. However, in order to maintain the strength of the Division, we can not rest on our laurels and we must move into the 21<sup>st</sup> century strategically and programmatically. To that end, the Executive Committee and I are currently undertaking a strategic planning process. We will also seek input from

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faculty, students, the External Advisory Committee and the Deans of the participating colleges (Agricultural, Consumer and Environmental Sciences, Applied Life Studies, Medicine and Veterinary Medicine) as we develop our vision for the future of the Division of Nutritional Sciences.

I have four goals for my first year as Director. First, to build a greater sense of community among the participants in the Division Nutritional Sciences. To that end, I have begun sending monthly memos via e-mail to faculty, students, the External Advisory Committee members, and participating deans and department heads. We have also begun to have weekly pre-seminar receptions for faculty and students. Second, to advocate hiring of a Physician Nutritionist to increase the clinical nutrition presence within the Division and on the University of Illinois campus. Third, to secure greater funding for the Division through on- and off-campus sources, including applying for a NIH training grant. Fourth, to expand the diversity within the Division faculty and students.

Once again, we will be hosting a University of Illinois Nutritional Sciences Mixer at the Experimental Biology 2000 annual meeting. We have had a wonderful turnout at this event over the past 3 years. The reception will be held on Monday, April 17th from 6:30-8:00 PM in the San Diego Marriott hotel. Check the EB program for the exact room and please plan to attend and introduce yourself if we have not yet met.

I want to thank Annette Cole for her excellent job in editing this year's newsletter. We have added two new features this year. The first is a "Faculty Highlights" column in which we will feature an update on current research of one NS faculty member (see page 6). The second feature will be a column from an emeritus faculty on his or her years in the Division (see page 11). I wish you all a successful and fulfilling new year and welcome comments and insights from alumni and friends as we chart the future of the Division (217-333-4177 or sdonovan@uiuc.edu).

  
Sharon M. Donovan, Ph.D., R.D., Director

## A Word from the *Former* Director:

October 1999 marked the ten-year anniversary of my assumption of the "interim" Directorship of the Division of Nutritional Sciences from Dr John Milner. In October, I was also honored by the Division's faculty and students with a 1/2-day symposium and dinner/roast/toast, and by the University of Illinois with an Endowed Chair in Nutrition Research. I feel incredibly fortunate to have served the Division for a decade and then to be so honored for it. The Symposium included six presentations by former DNS graduate students (see page 3). The dinner/roast/toast was great fun. Art Siedler, David Baker, Willard Visek and Denise Deming let me off easy on the roast portion.

The ten years of service were a pleasure. It was great to be associated with a series of dedicated and hard-working Executive Committees and with the real foundation of the Division office, Linda Barenthin. The highlight of the time was my interaction with so many bright, enthusiastic students. I hope that I have had some impact in development of their training and careers.

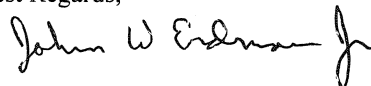
A theme overriding the DNS is excellence. This is so visible in our current students and with the

accomplishments of our many alumni. Each year the External Advisory Committees restate their admiration of the quality of our students. Linked with the theme of excellence is the pride that faculty and alumni feel for the Division. The DNS is in great hands with a dynamic new leader, Sharon Donovan, and the behind-the-scenes work of Linda.

I am currently on sabbatical leave with a DNS alum, Steve Clinton at the Arthur James Cancer Center at the Ohio State University. Upon my return to the U of I, I will rekindle my associations with the DNS.

I have been given many thanks and recognitions over the last few months and I thank the faculty and students for this. My best wishes go to Sharon. I am sure that the DNS will continue as a top program in the country.

Best Regards,



John W. Erdman, Jr., Ph.D

## Dr. Erdman Honored at Banquet

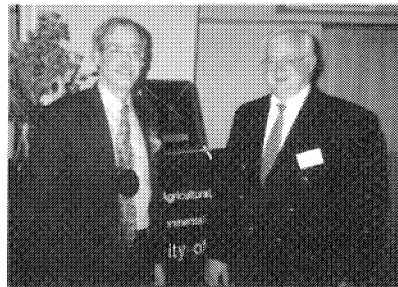
A symposium and banquet honoring John W. Erdman, Jr., Ph.D. was sponsored by the Division of Nutritional Sciences on Saturday, October 23, 1999. The symposium honored Dr. Erdman for his service as Director of the Division of Nutritional Sciences and Assistant Dean in the Office of Research, College of ACES. Dr. Erdman has made significant contributions to the Division and the College through his administrative skills and his scientific research. The afternoon program focused on current research of Nutritional Sciences' alumni. Featured alumni presenting current research were: **Joanne Curran-Celentano**, Ph.D., R.D. "Carotenoids and Vision: Is There a Protective Link?"; **Steven K. Clinton**, M.D., Ph.D. "Carotenoids, Vitamin A, and Prostate Cancer"; **Leslie D. Bourquin**, Ph.D., "Influence of Dietary Soy on Colon Cancer Risk: Human and Animal Studies"; **Lisa M. Olson**, Ph.D. "Postmenopausal Women's Health: The Search for Novel Plant-Derived Estrogens"; **Kevin L. Fritsche**, Ph.D. "Immunomodulation by Omega-3 Fatty Acids: New Frontiers"; and **D. Lee Alekel**, Ph.D., R.D. "Isoflavone-rich Soy Isolate Exerts Significant Bone-Sparing in the Lumbar Spine of Perimenopausal Women." Following the banquet, an investiture ceremony for Dr. Erdman's Endowed Chair in Nutrition Research was conducted by Vice Chancellor for Research, Dr. Tony Waldrop with comments by Dr. Steve Pueppke, Director of the ACES Office of Research. William Fry of Mars, Incorporated, the sponsor of the endowed chair, was also in attendance.



Tony Waldrop, John Erdman and Steve Pueppke



John and Edie



John Erdman and Bill Fry

## Linda Barenthin Receives Staff Award for Excellence

Linda Barenthin was selected by the College of ACES for the 1999 Staff Award for Excellence. Linda has been an employee of the University of Illinois for 25 years and has faithfully served the Division of Nutritional Sciences for 14 of those years. As the only secretary, she is responsible for the day-to-day operation of the division, which includes everything from receptionist duties, sending out information to foreign and domestic applicants and coordinating visits for seminar speakers, to planning and coordinating the annual External Advisory Committee meeting. In addition, she handles online purchasing and student appointments and, of necessity, is knowledgeable in about all aspects of university policies. Barenthin's exceptional dedication to students and faculty is noteworthy. She handles the needs of 45 faculty members and between 40-50 students – spread out in over 9 departments and 5 colleges on the Urbana campus and 1 department at the U of I Chicago campus – with ease and cheerfulness. Barenthin also assumes a supervisory role in many divisional projects. She oversees the publication of the annual Nutritional Sciences Newsletter, and this past year, she has been instrumental in revising the nutritional sciences promotional brochure and supervising the revision of the division's website.

*Thank you for all that you do Linda!*



Dr. Erdman presenting Linda with award



Linda proudly displaying her cake

## Invited Lecturers Present Seminars

The Division of Nutritional Sciences was very honored to host the following guest speakers during the 1998-1999 Nutritional Sciences seminar series. A wide range of topics were covered during the year. The fall semester started with a discussion on "Laboratory Safety" by **John Brandon** and **Peter Ashbrook** from Environmental Health and Safety. **Dr. Michael Loui**, Associate Dean, Graduate College UIUC presented "Ethics in Scientific Research." **Dr. Alan Hatfield** from Carle Cancer Center, Carle Foundation Hospital in Urbana, IL lectured on "Nutritional Care of the Cancer Patient." **Dr. Tim Byers**, Preventive Medicine and Biometrics, University of Colorado Cancer Center, discussed "Fruit and Vegetable Consumption and Cancer Prevention." **Dr. Randall Buddington** from the Department of Biological Sciences, Mississippi State University, presented "Nutrition Management of the Gastrointestinal Tract Ecosystem." **Dr. Andrew Clifford**, Department of Nutrition at University of California, Davis presented "The Dynamic and Kinetic Behavior of Human Folate Metabolism." In a joint seminar session with Functional Foods For Health, **Dr. Larry Brace**, Department of Pathology at the University of Illinois in Chicago, lectured on "Garlic: What Does it do to Blood Lipids?" **Dr. Greg Aponte**, Department of Nutritional Sciences at University of California, Berkeley, presented "Nutrient-induced Epithelial Cell

Differentiation Through the Action of Neuroregulatory Peptides." **Dr. Patricia Wainwright**, Professor and Chair, Department of Health Studies and Gerontology, University of Waterloo, Canada reported the latest research in her laboratory entitled "Essential Fatty Acids and Behavioral Development in Animal Models." **Dr. William Banz**, Department of Animal Science and Food, Southern Illinois University at Carbondale, IL presented "Effects of Synthetic and Phytoestrogens on Health." **Dr. Christopher Hassall**, Associate Director, Regulatory and Clinical Development, Procter and Gamble Company, Cincinnati, OH presented "A Scientific Update on Olestra and the Role of Fat-modified Foods in the Diet." **Dr. Nancy Auestad**, Pediatric Nutrition, Senior Clinical Research Scientist with Ross Laboratory, presented "Infant Nutrition Research: The Next Millenium." **Dr. Randy Seeley**, Associate Professor from the Department of Psychiatry at the University of Cincinnati, OH discussed "Neuroendocrine Regulation of Energy Balance." And finally, at our 1999 Nutrition Symposium, our keynote speaker was **Dr. James O. Hill**, Director, Clinical Nutrition Research Unit at the University of Colorado, Health Science Center, Denver. Dr. Hill's presentation was entitled "Combating the Global Epidemic of Obesity."



1999 Nutrition Symposium

## 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 academia around the nation to provide outside viewpoints on the quality and emphasis of the NS program. The External Advisory Committee generously gave of their time last September when they participated in a “*students only*” scientist/student forum which included many nutritionists from industry and academia. We would like to acknowledge the 1998 committee members for their time and effort in assisting the Division of Nutritional Sciences in its foremost goal of providing a high caliber educational program.

**Dr. Robert A. Burns**  
Director, Nutrition Sciences  
Mead Johnson Nutritionals

**Dr. Steven L. Ink**  
Director, Research & Services  
Quaker Oats Co.

**Dr. Guy H. Johnson**  
Director of Nutrition  
Kellogg Company

**Dr. Patricia Kreutler**  
Kraft Foods, Inc., Retired

**Dr. Gilbert A. Leveille**  
Leveille Associates

**Dr. Eric L. Lien**  
Vice-President, Nutritional R & D  
Wyeth Nutritionals International

**Dr. Alfred H. Merrill, Jr.**  
Professor of Biochemistry  
Emory University School of  
Medicine

**Dr. Russell J. Merritt**  
Medical Director, Pediatric  
Nutrition  
Ross Products Division  
Abbott Laboratories

**Dr. Robert M. Russell**  
Associate Director  
USDA Human Nutrition Research  
Center for Aging  
Tufts University

**Dr. Richard G. Shields, Jr.**  
General Manager  
Science, Technology, and  
Regulatory Affairs  
Heintz Specialty Pet Foods

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



UIUC Graduate Dietetic Interns: Annette Cole, Orsolya Mezei, Dr. Kelly Tappenden (director), Kristin Reardon, and Elizabeth Flickinger



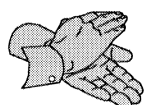
## Faculty Highlights...from Dr. Singletary's Lab

My laboratory's general focus is on studying the influence of dietary factors on chemical carcinogenesis. There are two major areas of effort that our work is directed towards. The first is examining the role of ethanol in stimulating the development of mammary cancer. Although there has been considerable epidemiological data to support a positive relationship between alcohol and breast cancer risk, a sound understanding of the biological basis for this association is lacking. Our lab has investigated the impact of ethanol intake on mammary tumorigenesis in several chemically induced animal models. We have characterized one mechanism of ethanol's action in rats as enhancing the density and rate of proliferation of cancer-susceptible target structures in the mammary gland, possibly due to ethanol's effect on steroid hormones controlling the gland's maturation and proliferation. Currently, we have broadened our focus to

examining the action of ethanol on the proliferation of human breast cancer cells. Our work now involves elucidating how ethanol affects the expression of hormone receptors in these cells and what specific signal transduction pathways may participate in this process.

The second area of research is cancer chemoprevention, which involves identifying compounds, either synthetic or naturally occurring, that can inhibit or reverse carcinogenesis or impede the malignant development of preneoplastic lesions. We have examined the impact of several phytochemicals from select spices, fruits, and vegetables as potential cancer chemopreventive agents. Examples include such compounds as genistein (from soybeans), curcumin (from the spice turmeric), carnosic acid (from the spice rosemary), and proanthocyanidins (from grapes). Our studies frequently examine the capacity of these phytochemicals to act as blocking agents toward

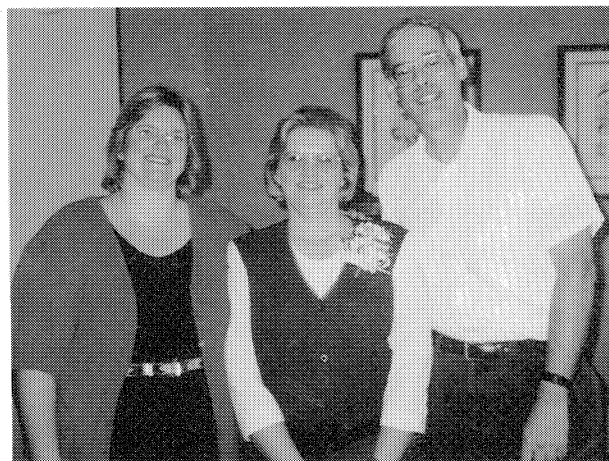
the initiation of chemical carcinogenesis. This often involves determining how effective they are in preventing carcinogen-induced DNA damage by enhancing detoxification enzymes functioning to eliminate these carcinogens from the body. Lately, our focus has also included characterizing how these compounds may act against later stages of cancer, promotion and progression (metastasis). We are specifically examining how these phytochemicals regulate the multiplication of cancer cells, in part by studying critical cell-cycle regulatory proteins, the cyclins and cyclin-dependent kinases, and by evaluating intracellular signaling pathways mediated by the mitogen-activated protein kinases (MAPK). Our goal is to identify and better understand the biological actions of those phytochemicals that eventually may be useful in strategies to prevent human cancers.



### 25<sup>th</sup> Year Reception for Linda Barenthin



Keith Singletary, Linda Barenthin



Sharon Donovan, Linda Barenthin, and John Erdman

## Faculty Professional Activities

- **Dr. Sharon Donovan** ([sdonovan@uiuc.edu](mailto:sdonovan@uiuc.edu)) continues to serve on the Executive Committee of the International Society for Research on Human Milk and Lactation. She was appointed to the Graduate Education Committee of the American Society for Nutritional Sciences (ASNS) for 1998-01 and was elected Councilor of the American Society for Nutritional Sciences (ASNS) for 1999-02.
- **Dr. James Drackley** ([drackley@uiuc.edu](mailto:drackley@uiuc.edu)) is currently serving on the Editorial Board of the *Journal of Dairy Science* and he is also Chair of the Journal Management Committee for the American Dairy Science Association.
- **Dr. George C. Fahey, Jr.** ([g-fahey@uiuc.edu](mailto:g-fahey@uiuc.edu)) continues to serve as an Editorial Board Member for both the *Journal of Nutrition* and the *Archives of Animal Nutrition*. Dr. Fahey also serves on the Selection Committee for the American Feed Ingredients Association Award in Ruminant Nutrition Research.
- **Dr. Gregory Freund** ([freun@uiuc.edu](mailto:freun@uiuc.edu)) is currently serving as Chair, Session IV, Signaling Pathways at Expression and Action of Anti-Inflammatory Cytokines in the Brain, Arcachon, France (1999). He also served as Co-chair for the Cellular Signal Transduction and Gene Expression Minisymposium at Experimental Biology 1999.
- **Dr. Tim Garrow** ([t-garro@staff.uiuc.edu](mailto:t-garro@staff.uiuc.edu)) is currently serving on the New Member Committee of ASNS. He is also Chair of the Selection Committee for the Mead-Johnson Award given by ASNS.
- **Dr. Elizabeth Jeffery** is currently the Associate Editor of the *Journal of Toxicology and Applied Pharmacology*, and she is the past president of the Midwest Regional Chapter of the Society of Toxicology.
- **Dr. Rod Johnson** is the editor (1999-2002) of the Environment and Behavior section of the *Journal of Animal Science*.
- **Dr. Robert Reynolds** ([reynolds@uic.edu](mailto:reynolds@uic.edu)) completed his six year term as member of the Editorial Board of the *Journal of Nutrition*.
- **Dr. James Robinson** ([jlrobins@uiuc.edu](mailto:jlrobins@uiuc.edu)) continues to be a Reviewer for the *Journal of Nutrition* and the *Journal of Dairy Science*.
- **Dr. A.J. Siedler** (emeritus) is still active in the Chicago section of IFT. He is the Co-chair for Career Guidance. He also served as Chair, Edible Oils Research Group Strategic Planning Team of the National Center for AG Utilization Research in Peoria, IL in January 1999.
- **Dr. Keith Singletary** was appointed to the Board of Directors for the American Cancer Society, Illinois Division.
- **Dr. Kelly Tappenden** ([tappende@uiuc.edu](mailto:tappende@uiuc.edu)) is the American Gastroenterological Association Intestinal Disorders Section Delegate (1999) and the American Society for Parenteral and Enteral Nutrition Research Section Secretary (1999). She is also on the American Society for Parenteral and Enteral Nutrition Research and Data Committee (1999), the American Society for Parenteral and Enteral Nutrition On-Line Journals Task Force (1999), the Journal of Parenteral and Enteral Nutrition Current Summaries Editorial Board (1998-1999), the American Dietetic Association Support Line Editorial Board (1998-1999), and the Journal of Parenteral and Enteral Nutrition Editor-in-Chief Search Committee (1998).
- **Dr. Matthew Wallig** ([m-wallig@uiuc.edu](mailto:m-wallig@uiuc.edu)) is a member of the Ad Hoc Credentialing Committee and the American College of Veterinary Pathologists.



## Research and Teaching Strides of NS Faculty



- **Dr. George Fahey, Jr.** has received funding from Beech-Nut Nutrition Corporation to analyze how supplemental fructan sources affect gut characteristics of human infants. He has also received support from Ross Products Division of Abbott Laboratories to research *in-vivo* determination of starch fractions in selected food and feed ingredients. Central Soya, Inc. has provided funding to research soy protein utilization by dogs and the Heintz Specialty Pet Food has supported funding to analyze fiber systems for pets with gastrointestinal disease. Dr. Fahey has also received industry support from Larex, Inc. to investigate nutritional and immunological significance of arabinogalactan. He was also the recipient of a grant from the United Soybean Board to study the "Composition Comparisons of U.S. vs. Brazilian Soybeans." Finally, he received a grant from the Illinois Soybean Board to study "Nutrient Utilization by Swine as Affected by the Carbohydrate Component of Soybean Meal."
- **Dr. Gregory Freund** received a grant from the National Institutes of Health for "Cell Sorting and Multi-Laser Flow Cytometry" as a Co-Investigator. Additionally, he received funding as a Co-Investigator for The Centre National de la Recherche Scientifique and UIUC Collaborative Research Project for "Molecular Mechanisms of Cytokine Action in the Central Nervous System."
- **Dr. Tim Garrow's** recent publications are: 1) Park, E. I., Garrow, T. A. (1999) Interaction between dietary methionine and methyl donor intake on rat liver betaine-homocysteine methyltransferase gene expression and organization of the human gene. *J. Biol. Chem.* 274, 7816-7824. 2) Breksa, A. P., Garrow, T. A. (1999). Recombinant human liver betaine-homocysteine S-methyltransferase: identification of three cysteine residues critical for zinc binding. *Biochemistry* (in press).
- **Dr. Donald Layman** received a grant from the National Cattlemen's Beef Association to conduct a human study designed to evaluate the relationships of carbohydrate and protein in the diet to weight control and management of blood lipids. The grant is titled "Adults Need Protein to Manage Blood Glucose and Body Weight" and will examine many of the concepts associated with the popular "Zone Diet."
- **Dr. James Robinson** continues to teach and oversee Nutritional Sciences 411, "Comparative Regulation of Macronutrient Metabolism." This year, Dr. Tim Garrow joined the team to teach the nitrogen section, and next year Dr. James Drackley will take over the lipid section upon Dr. Toshiro Nishida's retirement.

### International Activities of NS Faculty

- **Dr. George Fahey, Jr.** was invited to speak at Petfood Forum Europe, Amsterdam, the Netherlands on "Recent Advances in Canine Nutrition Research."
- **Dr. Gregory Freund** was invited to give a talk entitled "Counter-Regulation of Cytokine Signaling by Hyperinsulinemia" at the University of Paris 5, Paris, France (1999).
- **Dr. Tim Garrow** gave a talk in May 1999 in Evian, France entitled "Trace Elements in Man and Animals." He is also scheduled to give a talk in February 2000 at the "V Workshop on Methionine Metabolism" to be held in Sierra Nevada, Spain.
- **Dr. Elizabeth Jeffery** will be presenting "The Mechanism of Protection Against Cancer by Cruciferous Vegetables" at the University of Dundee, Scotland, UK in the Fall of 1999.
- **Dr. Donald Layman** was an invited speaker at the Universiti Putra Malaysia, Serdang, Malaysia in March 1999. His talk was entitled "Nutrition, Exercise, and Recovery." He was also the keynote speaker at the annual meeting of the Nutrition Society of Malaysia in Kuala Lumpur, Malaysia in March 1999. His presentation title was "Adult Amino Acid Requirements: Re-thinking Glucose Homeostasis."



## Invited Lectures and Presentations by NS Faculty

- **Dr. Sharon Donovan** delivered a seminar entitled "Impact of Limited Enteral Stimulation and Insulin-like Growth Factor-I on Intestinal Development of Parenterally-Fed Piglets" at Mead Johnson Nutritionals in Evansville, IN in November 1998 and at Wyeth-Ayerst Global Pharmaceuticals in Philadelphia, PA in December 1998.
- **Dr. George Fahey, Jr.** was invited to present at Petfood Forum 99, Chicago, IL on "Petfood Applications of Oligosaccharides." He also presented a talk to the Nutrition Faculty at Texas A&M University – College Station on "Recent Advances in Companion Animal Nutrition Research," and he was invited to speak at the 1998 Purina Nutrition Forum in St. Louis, MO on "Petfood Ingredients and Ingredient Processing Affect Dietary Protein Quality." Additionally, he was invited to give a presentation at the Nutritional and Health Benefits of Inulin and Oligofructose conference in Lister Hill Center, NIH, Bethesda, MD. His talk was entitled "Petfood Applications of Inulin and Oligofructose."
- **Dr. Gregory Freund** was invited to give a talk entitled "Hyperinsulinemia and Cytokine Disregulation" to the Vitreous-Retina-Macula Consultants of New York at New York, NY (1999). He also presented "NIDDM/Anticancer Therapy: Novel Proteins Identified by Biochemical and Molecular Methods (1998)" at the SUNY Health Science Center in Syracuse, NY.
- **Dr. Tim Garrow** was invited to give a talk at EB 1999 in April. His talk was entitled "Characterization of the Human Betaine-Homocysteine Methyltransferase Gene and Identification of the Protein as a Zinc Metalloenzyme."
- **Dr. Donald Layman** ([d-layman@uiuc.edu](mailto:d-layman@uiuc.edu)) was invited to give a seminar entitled "Re-thinking the Roles of Insulin and Amino Acids in Adult Nutrition" to the Nutritional Sciences program at Ohio State University in June 1999.
- **Dr. Elizabeth Jeffery** was invited to speak at the 3<sup>rd</sup> International Symposium on the Role of Soy in Preventing and Treating Chronic Disease. Her talk is entitled "Soy Isoflavones Enhance Bone Density in Ovariectomized Rats."
- **Dr. Robert Reynolds** was invited to speak at the University of Illinois at Chicago Division of Nutritional Sciences as well as Purdue University's Department of Foods and Nutrition. He was also a Kirksey Lecturer at Ohio State University, and he was invited to speak at the Illinois Dietetic Association.
- **Dr. James Robinson** was privileged to attend a symposium October 31, 1998 at UCLA in honor of his Ph.D. mentor, Paul D. Boyer, 1997 Nobel Laureate in Chemistry for his research elucidating the rotary mechanism of mitochondrial oxidative phosphorylation.
- **Dr. Kelly Tappenden** was invited to speak on "Nutritional Modulation of Gastrointestinal Function" at Wyeth-Ayerst Pharmaceuticals, Inc. at Philadelphia, PA in June 1999. She also presented "Nutrition Assessment in Clinical Practice" at a GI Review Course in Waikoloa, Hawaii in February, 1999 and "Small Intestinal Function: Implications for Nutrition Support" at the American Society of Parenteral and Enteral Nutrition 23<sup>rd</sup> Clinical Congress in San Diego in January 1999. Dr. Tappenden presented "The R.D.'s Role in Enhancing GI Function" at the Eastern Illinois Dietetics Association Meeting in Urbana, IL in November 1998 and "Dietary Fiber and Intestinal Adaptation" at the Food Science 50<sup>th</sup> Anniversary at UIUC in October 1998

(continued on page 14)



★ **Dr. Sharon Donovan** was honored as a University Scholar for 1998-2001.

★ **Dr. John Erdman, Jr.** received the 1999 Babcock-Hart award for improving public health through nutritional research.

★ **Dr. Tim Garrow** received a promotion to Associate Professor with tenure in the Department of Food Science and Human Nutrition as of August 21, 1999.

★ **Dr. Rex Gaskins** was the recipient of the Bio Serv Award for 1999.

★ **Dr. Elizabeth Jeffery** was on the 1999 Incomplete List of Excellent Teachers.

★ **Dr. Rodney Johnson** received the Midwest American Society for Animal Science Outstanding

Young Animal Scientist Award, 1999 as well as the H.H. Mitchell Award for Excellence in Graduate Teaching and Research, Department of Animal Sciences, University of Illinois, Urbana, 1999.

★ **Dr. Neal Merchen** was the recipient of the College of ACES Paul A. Funk Recognition Award.

★ **Dr. William O'Brien, Jr.** received the Institute of Electrical and Electronics Engineers (IEEE) Ultrasonics, Ferroelectrics, and Frequency Control Society's Achievement Award for 1998.

★ **Dr. Robert Reynolds** was the recipient of the Silver Circle Award for Excellence in Teaching, May 1999. He also received the Avanelle Kirksey Lectureship at Purdue University, 1999.

★ **Dr. Keith Singletary** was promoted to Professor of Nutrition in the Department of Food Science and Human Nutrition.

★ **Dr. Mary Ann Lila Smith** received the Fulbright Senior Scholar Fellowship to New Zealand from January-June, 1999.

★ **Dr. Kelly Tappenden** was the recipient of the 1999-2000 ILSI Future Leader Award, ILSI North America, Washington, D.C.

★ **Dr. Jeff Woods** received funding from NIH grants for the third year of a five-year grant.

## Faculty Personals

- **Dr. Sharon Donovan** and her husband Don Wallace welcomed their second child, Ian Donovan Wallace, in March 1999. His older sister, Tory, is 3 years old.
- **Dr. Elizabeth Jeffery** is proud to announce the birth of her second grandson, Eric.
- **Dr. Neil Shay** has resigned and has accepted a position in the Biology Department at Notre Dame University beginning January 2000.
- **Dr. A.J. Siedler** (emeritus) is enjoying retirement—particularly the flexible fishing time!



## Presenting New Faculty...

The Division of Nutritional Sciences welcomed one new faculty member this past year – **Dr. Mary Ann Lila Smith**, Assistant Professor in the Department of Natural Resources and Environmental Sciences (Ph.D. 1984). She is a member of an interdisciplinary team aimed to elucidate the role of key flavonoid compounds and mixtures that are chemopreventive against cancer and cardiovascular disease. The bioactive properties of certain flavonoids, and the benefits of consuming flavonoid-rich foods and beverages have been well-established anecdotally and in research trials, but the

identity and protective mechanisms of these compounds have not been defined. Most likely, this information gap is related to the ephemeral nature of the flavonoids during routine extraction and bioassay procedures, and even during storage. Her team has established gentle, effective tactics for extraction from fruits with minimal loss of compound integrity, and a series of diagnostic assays to establish the mechanisms of chemoprevention. Suspension cell culture systems derived from the same crop plant germplasm are stimulated to produce bioflavonoids on predictable cycles, profiles are compared to the donor species, and microenvironmental manipulations are used to tailor production of key phytochemicals. Warm wishes are extended to our new member!

## Reflective Thoughts...from David Baker

*(Editor: Dr. David Baker, professor emeritus, retired in August 1999)*

My 32 years as a professor of nutrition at UIUC have been very fulfilling. I have had the opportunity to interact with and/or mentor numerous outstanding faculty colleagues and graduate students. I have always felt that one of our strengths at Illinois has been our comprehensive course offerings in nutrition – across primarily three units: Nutritional Sciences, Animal Sciences, and Food Science and Human Nutrition. Also, we have faculty with great expertise in many disciplines related to nutrition, and we have ready access to a wide variety of animal species for use in our research.

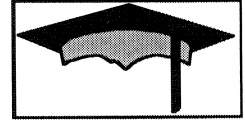
Over the course of my career in research, development of a variety of experimental diets – purified, semipurified and practical – has been one of the focal points. For the most part, designing these diets was done because they were needed to study one or more aspects of nutrient utilization and/or metabolism. Some of the findings on bioavailability of nutrients in food

ingredients have had almost immediate practical ramifications. An example would be our work showing that the copper in CuO can not be utilized by chicks, rats or pigs (it is highly likely that humans, also can not absorb the Cu in CuO). Before our work was completed, cupric oxide (CuO) was the most common form of copper used as a copper supplement for both animals and humans. Needless to say, the use of CuO for animals has almost completely disappeared, and its use as a human supplement is rapidly diminishing.

Being a professor of comparative nutrition at the University of Illinois has been a great joy for me. Career-wise, there is nothing I could have done in life that I would have enjoyed more. And – I plan to keep doing it in an emeritus capacity for many more years. Engaging in a nice clean piece of research that provides conclusive answers to important questions is a thing of unbelievable joy and fulfillment. Likewise, participating in the evolution process of young graduate students – from the neophyte to the professional stage – is incredibly rewarding.

## Nutritional Sciences Class of 1998-1999

The Division granted advanced degrees to 8 students during the 1998-1999 academic year. The Division wishes them success and happiness in their future endeavors!



### August 1998

**Elizabeth Ott** (M.S.) Editor, Access Medical Group, Arlington Heights, IL

**Joanna Woodson** (M.S.) Research Specialist, Dept. of Hematology/Oncology, University of Chicago, Chicago, IL

### October 1998

**Sandra Teixeira** (M.S.) Doctoral Candidate, Division of Nutritional Sciences, UIUC

### January 1999

**Joshua Bomser** (Ph.D.) Postdoctoral candidate, Department of Environmental Chemistry and Toxicology Laboratory, University of California, Berkeley

**Jill Cline** (Ph.D.) Manager of Pet Health and Nutrition, Doane Pet Care, Columbia, TN

**Yulin Fang** (M.S.) Research Specialist, Dept. of Veterinary Clinical Medicine, College of VM, UIUC

**Qin Lu** (M.S.) MCS Candidate, Dept. of Computer Science, UIUC

### May 1999

**Sean Barnes** (Ph.D.) Medical student, College of Medicine, UIUC

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## NS Welcomes New Students

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Seven new students joined the Division in 1999-2000. As in the past, we have been fortunate to recruit not only highly qualified individuals, but persons with diverse and unique backgrounds as well.

**Carolyn Huntington** received a B.S. in Animal Sciences at UIUC. She is a M.S. student with Dr. Beverly. She entered the program during the 1998 fall semester.

### *The Fall 1999 incoming class:*

**Anne Bartholome** received a B.S. in Dietetics from Mount Mary College in Milwaukee, WI. She is a M.S. student in Dr. Tappenden's laboratory.

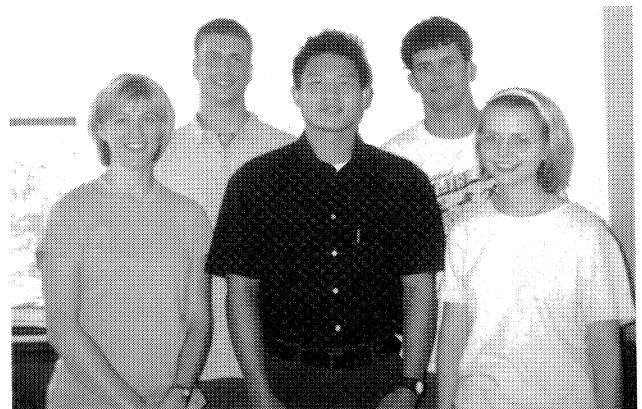
**Matthew Gardner** received a B.S. in Biology from UIUC. He is a M.S. student with Dr. Donovan.

**Orsolya Mezei** received her B.S. in Dietetics from UIUC and is a M.S. student with Dr. Shay.

**Sara Painter** received a B.S. in Chemistry from Eastern Illinois University in Charleston, IL. She is a Ph.D. candidate with Dr. Garrow.

**Carl Sather** has a B.S. in Biological Sciences from the University of Missouri in Rolla, MO; he is a M.S. student with Dr. Layman.

**Harn Shiue** received a B.S. in Chemistry from the University of Alabama in Huntsville, AL. He is a M.S. student with Dr. Layman.



Back Row: Carl and Matt; Front row: Anne, Harn and Sara→

## Graduate Student News

- **Clint Allred** ([allred@uiuc.edu](mailto:allred@uiuc.edu)) serves as the Student Representative for NSGSA at the faculty and executive committee meetings. He also received first place at the student oral presentation at the NS Symposium 1999. Clint gave an oral presentation as part of a minisymposium at the 1999 EB meeting.
  - **Chris Atkinson** ([catkinsn@uiuc.edu](mailto:catkinsn@uiuc.edu)) is a member of ASNS and the AOCS. She visited Tufts University in Boston to learn the 15, 15' Dioxygenase Assay. She also helped organize the 1999 NS Chili Cook-Off.
  - **Laura Bauer** ([l-bauer1@uiuc.edu](mailto:l-bauer1@uiuc.edu)) is currently a full time lab technician for Dr. Fahey, Dr. Merchen, and Dr. Berger. She was selected to receive a quarter time University Fellowship from Nutritional Sciences.
  - **Annette Cole** ([cole@uiuc.edu](mailto:cole@uiuc.edu)) is a member of the American Dietetic Association, ASCN, and the ASNS. She received 2<sup>nd</sup> place in the poster competition at the 1999 NS Symposium, and she helped to organize the NS Quiz Bowl. Annette is currently involved in the UIUC dietetic internship program.
  - **Denise Deming** ([ddeming@uiuc.edu](mailto:ddeming@uiuc.edu)) is currently serving as Co-chair of the NSGSA in which she facilitated the organization and completion of the 1999 NS Symposium. She is also a student representative for the Nutrition Division of The Institute of Food Technologists. Denise presented posters at EB 1999, the Functional Foods for Health Retreat in May 1999, and the 12<sup>th</sup> International Carotenoid Society Meeting in Cairns, Australia.
- Her talk was entitled "The Effect of Dietary Fat Level and Dietary Fiber Type on Beta-Carotene Bioavailability in the Gerbil." Denise has one publication (in press) in the *Journal of Pure and Applied Chemistry* entitled "Mammalian Carotenoid Absorption and Metabolism."
- **Bart Deplancke** ([deplanck@uiuc.edu](mailto:deplanck@uiuc.edu)) received first prize at the poster presentation at the Conference on New and Re-emerging Infectious Disease 1999 at UIUC. He also presented posters at the General ASM meeting in May 1999 in Chicago as well as the Microbial Ecology ASM meeting in August 1999 in Chicago. Additionally, Bart competed in the oral presentation at the NS Symposium 1999 at UIUC. His talk was entitled "A Metabolic Molecular Ecology Strategy for Functional Analysis of Intestinal Sulfidogens."
  - **Beth Flickinger** ([e-flkngr@uiuc.edu](mailto:e-flkngr@uiuc.edu)) is currently involved in the 2<sup>nd</sup> UIUC Dietetic Internship class.
  - **Deshanie Ganessunker** ([ganessun@uiuc.edu](mailto:ganessun@uiuc.edu)) participated in the student abstract competition at the 1999 American Gastroenterology Association and received a travel award to attend the Digestive Diseases Week meeting. Deshanie was a first place winner at the 1999 NS Symposium poster competition. Additionally, she presented a poster during Digestive Diseases Week at the American Gastroenterology Association in Orlando, FL in May 1999. Deshanie was married to Gyan Rai, a Postdoctoral Fellow in Biochemistry, in August 1999.
  - **Kasey Heintz** ([kheintz@staff.uiuc.edu](mailto:kheintz@staff.uiuc.edu)) is actively involved in the NSGSA.

(continued on page 14)



## Graduate Student News

(continued from page 13)

- **Carolyn Huntington** ([chuntington@uiuc.edu](mailto:chuntington@uiuc.edu)) presented a poster at EB 1999. Her research interests are to determine how norepinephrine and neuropeptide Y release in the paraventricular nucleus of rats is altered during zinc deficiency, and to discover whether the timing of feeding a pair-fed group affects the release of NE and NPY in the PVN.
- **Anna Keck** ([akeck@uiuc.edu](mailto:akeck@uiuc.edu)) is a member of the American Chemistry Society. She received 2<sup>nd</sup> place at the poster presentation at the regional meeting for the Society of Toxicology in May 1999 in Chicago. She also presented posters at the national meeting for the Society of Toxicology at New Orleans in April 1999 and the Functional Foods for Health Conference in May 1999.
- **Cassandra Reyes** ([cyreyes@uiuc.edu](mailto:cyreyes@uiuc.edu)) has been actively involved in NSGSA this past year. She is

also a member of the American Chemical Society. Cassandra's research strides are betaine-homocysteine methyltransferase half-life, localization of BHMT in rat and pig kidney and liver through immunohistochemistry.

- **Kelly Swanson** ([ksswanso@uiuc.edu](mailto:ksswanso@uiuc.edu)) was a 1<sup>st</sup> place poster competition winner at the NS Symposium 1999. Kelly defended his M.S. degree with Dr. Erdman and is now a Ph.D. candidate with Dr. George Fahey.
- **Sandra Renata Teixeira** ([steixeir@uiuc.edu](mailto:steixeir@uiuc.edu)) served on the NSGSA 1999 Symposium Committee. She also received a NSGSA Symposium poster competition award.
- **Claudia Tovar-Palacio** ([tovarpal@uiuc.edu](mailto:tovarpal@uiuc.edu)) is proud to announce the birth of her healthy baby girl, Daniela, on March 31, 1999. She weighed 7 pounds 11 ounces and was 19 inches long.

## Invited Lectures and Presentations by NS Faculty

(continued from page 9)

- **Dr. Tappenden** (continued) She gave a talk entitled "Nutrition Support and the Gastrointestinal Tract" to the Division of Nutritional Sciences External Advisory Committee, UIUC, in September 1998, and she presented "Regulation of Intestinal Function by Short Chain Fatty Acids" at the University of Chicago, Chicago, IL.
- **Dr. Matthew Wallig** was an invited speaker at the University of Connecticut Department of Pathobiology. His talk was entitled "Effects of Phytochemicals in Cruciferous Vegetables on

Xenobiotic Metabolism--Do They Have a Role in Cancer Chemoprotection?" on April 29, 1999. Dr. Wallig was also invited to speak at the UIC College of Medicine at Rockford Symposium on New Foods-Issues of Disease Prevention and Treatment. His talk was entitled "Cruciferous Vegetables - Just How Do They Prevent Cancer?" on January 20, 1999. Additionally, Dr. Wallig gave the featured presentation at the 1999 Illinois Specialty Crop Conference on "Horticultural Crops and Human Health - Beyond Myths and Folklore," on January 14, 1999.



## NSGSA Activities

The 1998-1999 academic year was a fruitful one for the Nutritional Sciences Graduate Student Association (NSGSA). The first NSGSA meeting of the fall semester was lead by officers Denise Deming (Co-chair), Keri Kles (Co-chair), Laura Milo (Treasurer), Chris Atkinson (Secretary), Tom Boileau (Student Liaison), and Clint Allred (Alternate Student Liaison). The fall semester began with a New Student Welcome, organized by Chris Atkinson and Mary Dean Coleman. The NSGSA presented the eighth annual Faculty Award to Dr. Timothy Garrow for his commitment to graduate education and participation in NSGSA events. The NSGSA joined FSHN for a Christmas party at The Office in Urbana.

The spring semester started off with the annual NS Chili Cook-Off, which was held in January and organized by Chris Atkinson. There were a wide variety of chili recipes to sample from six different cooks. Prizes were awarded, including a small crock-pot for the grand champion. The NS Quiz Bowl took place in February and was organized by Annette Cole, Kasey Heintz, Laura Milo, and Kristin Reardon. Four teams of students, represented by faculty members, Lee Beverly, Donald Layman, Robert Reynolds, and Willard Visek

competed in an intellectual battle over a wide variety of nutrition topics. Drs. John Erdman and Sharon Donovan entertained and informed the group by serving as Master of Ceremonies and Judge, respectively. When all of the points were tallied, the winning team consisted of Robert Reynolds, Clint Allred, Amy Boileau, Cassandra Reyes, and Kajorn Kitiphongspattana. In April, the sixth annual Nutrition Symposium was organized. This successful event was coordinated by Denise Deming. The speaker sub-committee consisted of Kasey Heintz, Bart Deplancke, and Denise Deming. The poster sub-committee was comprised of Sandra Teixeira, Kelly Swanson, and Cassandra Reyes. Keri Kles and Laura Milo were in charge of fundraising for this, and other NSGSA events. Twenty-eight abstracts were submitted by students both inside and outside of the Division for the NSGSA Nutrition Symposium poster competition. The poster and oral presentation competitions serve as a means of preparing students for the Experimental Biology meetings held later in April. **Dr. James O. Hill** was the keynote speaker. His talked was "Combating the Global Epidemic of Obesity." Overall, the event was a great success, bringing another active and rewarding year to a close.



### Chili Chefs



Back row: Chris Atkinson, Laura Bauer, Amy Boileau, Mary Dean Coleman  
Front row: Cassandra Reyes, Kasey Heintz, and Elizabeth Flickinger

## Graduate Student Poster and Oral Presentations

### Experimental Biology 1999 Washington D.C.

**Clinton Allred** – Genistin, The Glycoside Form of Genistein, Stimulates Growth of Estrogen-Dependent Human Breast Cancer Cells *In Vivo*.

**Amy Boileau** – Cis-Lycopene is More Bioavailable Than Trans-Lycopene *In-Vitro* and also *In Vivo* in the Lymph-Cannulated Ferret.

**Annette Cole** – 2-Deoxy-D-Glucose Induced Feeding During the Initiation of Zinc Deficiency.

**Denise Deming** – Amount of Dietary Fiber and Type of Fiber affect  $\beta$ -Carotene Bioavailability in the Mongolian Gerbil.

**Brian Finck** – Induction of Leptin Secretion by TNF- $\alpha$  is Mediated Predominantly by the p55 TNF Receptor.

**Beth Flickinger** – Stool Microbial Populations of Human Infants as affected by Ingestion of Fructan-Containing Vegetables.

**Carolyn Huntington** – Reduced Norepinephrine Release in Paraventricular Nucleus of Zinc Deficient Rats.

**Keri Kles** – Luminal Nutrients Exacerbate Intestinal Ischemia in the Hypoperfused Jejunum.

**Lulu Kurman** – Assessing the Cholesterol-Lowering Effect of Prune Puree in Human Subjects.

**Laura Milo** – Effects of Short-Chain Fatty Acid Supplemented Total Parenteral Nutrition on Levels of Pro-Inflammatory Cytokines.

**Chu Won Nho** – Crambene, a Nitrile from Cruciferous Vegetables, Produces Upregulation of Quinone Reductase that is ARE-Dependent.

**Kristin Reardon** – Total Parenteral Nutrition Supplemented with Short Chain Fatty Acids Enhances Small Bowel Adaptation in Neonatal Piglets.

**Kelly Swanson** – Influence of Dietary Vitamin A Level on Serum and Liver Vitamin A Concentrations in the Peruminant Calf.

**Sandra Teixeira** – Improvement of Lipid Profile in Mildly Hypercholesterolemic Men with 40 g of Soy Protein After 3 Weeks or 20 g After 6 Weeks and Correlations Between Blood Isoflavones and Blood Lipids In Hypercholesterolemic Men And Post-Menopausal Women Fed Soy Protein with Differing Levels of Isoflavones.

**Deborah Wool** – Evaluation of the Use of the StratSoy “Ask An Expert” Website by Consumers.

Visit the Nutritional Sciences Web Site!!!  
<http://w3.aces.uiuc.edu/NutrSci>



## Fellowship and Scholarship Winners

- **Sean Barnes:** National Institute on Alcohol Abuse and Alcoholism
- **An-Chian Chen:** USDA National Needs Fellowship
- **Annette Cole:** American Dietetic Association Coca-Cola Scholarship
- **Mary Dean Coleman:** Jonathan Baldwin Turner Fellowship
- **Elizabeth Flickinger:** Jonathan Baldwin Turner Fellowship
- **Deshanie Ganessunker:** South African Exchange Program (U.S. Information Agency)
- **Keri Kles:** Procter and Gamble/ASNS Student Research Award
- **Norman Millian:** Jonathan Baldwin Turner Fellowship
- **Laura Milo:** Jonathan Baldwin Turner Fellowship
- **Chu Won Nho:** Philanthropic Educational Organization-International Peace Scholarship
- **Eric Park:** American Heart Association
- **Cassandra Reyes:** USDA National Needs Fellowship
- **Sandra Teixeira:** Fulbright and Praxis XXI Scholarship
- **Claudia Tovar-Palacio:** Fulbright-Garcia Robles/CONACYT Program

### ★★★★★ Margin of Excellence Student Awards ★★★★★

Twice each academic year the Division presents **Travel Awards** to students to support attendance at national scientific meetings. This past year's grant recipients were:

**Fall 1998:** Annette Cole, Beth Flickinger, Deshanie Ganessunker, Keri Kles, Lulu Kurman, Laura Milo, Chu Won Nho, Kristin Reardon, Kelly Swanson, and Deborah Wool

**Spring 1999:** Clint Allred, Denise Deming, Carolyn Huntington, and Sandra Teixeira.

The Division also presents awards for excellence in **Student Research**. The 1998 recipients were: Annette Cole, Mary Dean Coleman, Deshanie Ganessunker, Keri Kles, Norm Millian, Laura Milo, Chu Won Nho, Kristin Reardon, Claudia Tovar-Palacio, and Chaoshen Yuan. The Division congratulates all award recipients!



1999 NS Quiz Bowl winners: Amy Boileau, Kajorn Kitiphongspattana, Dr. Reynolds, Clint Allred, and Cassandra Reyes

1968

## Alumni News Notes

1999

### 1969

**Mary Jacob** (Ph.D.) continues as Professor of Nutritional Sciences at California State University in Long Beach.

### 1970

**Robert E. Landers** (Ph.D.) is enjoying retirement. His son, Tim, is launching an art glass business. His fourth grandchild (girl) was born in February 1999; the other three grandchildren (one boy and two girls) are doing well in their home schooling. He currently resides in Westfield, NJ.

### 1971

**Melvin T. Yokoyama** (Ph.D.) is a Professor and Graduate Coordinator in the Department of Animal Science at Michigan State University. ([yokoyama@pilot.msu.edu](mailto:yokoyama@pilot.msu.edu))

### 1972

**George Klatt** (M.S.) serves as Regional Nutrition Coordinator at the Chicago Department of Health.

**Roger Mellenberger** (Ph.D.) is a Professor in the Department of Animal Sciences at Michigan State University and a Dairy Extension Specialist. He is also a member of the American Dairy Science Association and National Mastitis Council. ([Mellenbe@pilot.MSU.EDU](mailto:Mellenbe@pilot.MSU.EDU))

### 1975

**Kailash Mathur** (Ph.D.) is a Professor and Advisor to the Nutritional Sciences graduate program at South Carolina State University in Orangeburg, SC. His professional activities include being appointed by the Governor of South Carolina to be a member of the Orangeburg Area Mental Health Center Board and the South Carolina Council on Maternal Infant and Child

Health. He is also on the South Carolina Nutrition Council Strategic Committee. His daughter, Shikha, has returned back to the states with her family. ([zskmathur@scsu.edu](mailto:zskmathur@scsu.edu))

### 1976

**Guy Johnson** (Ph.D.) is currently the Vice-President at Kellogg Co. His professional activities include being a member of the University of Illinois Division of Nutritional Sciences External Advisory Committee, Society of Nutrition Education Foundation Board, and International Life Sciences Institute, North America Board. He is enjoying his new job at Kellogg helping to make nutrition come to life on the breakfast tables across America! ([guy.johnson@kellogg.com](mailto:guy.johnson@kellogg.com))

### 1979

**Dan Schaefer** (Ph.D.) is a Professor of Animal Sciences at the University of WI in Madison. He was recently elected by his faculty colleagues to be Chairman of the department, beginning July 1, 1999.

### 1980

**John E. Bauer** (M.S./D.V.M.) is a Professor in the Department of Small Animal Medicine at the College of Veterinary Medicine at Texas A&M University. He is also a Mark L. Morris Professor of Clinical Nutrition. He is currently the Head of Intercollegiate Faculty of Nutrition. ([jbauer@cvm.tamu.edu](mailto:jbauer@cvm.tamu.edu))

### 1982

**Joanne Curran Celentano** (Ph.D.) is an Associate Professor of Nutritional Sciences at the University of New Hampshire. Jeanne Marie (18 year old, Illinois baby) finished 1<sup>st</sup> year at Smith College, and Jessi (16) is starting her junior year of high school. ([Joannec@christa.unh.edu](mailto:Joannec@christa.unh.edu))



**Lisa Marshall** (Ph.D.) is the Director of Immunology for Discovery Biology at SmithKline Beecham. Her professional activities include being President of Inflammation Research Association (IRA) as of January 1999. They sponsor "Registration Free" one and a half day meetings discussing any and all aspects of inflammation—from the gene to the animal to the clinic. In addition, they organize a five-day meeting every other year. At this meeting, they sponsor a student/scholarship competition. In 2000 this will be held in Hot Springs, VA at the Homestead Spa and Resort. She encourages students to enter. Lisa is also an AACR Member, 1998 and an ASMBC Member, 1998. Lisa recently completed a book on Animal Models of Inflammation. She is due to have her first child, a baby girl, "Tess Elisabeth Gaugher" on June 28. ([Lisa\\_A\\_Marshall@SBPHRD.COM](mailto:Lisa_A_Marshall@SBPHRD.COM))

**Lisa A. Reich** (M.S.) is a Market Manager for Urology Products Mentor Corporation. She currently resides in Santa Barbara, CA. ([lreich@mentorcorp.com](mailto:lreich@mentorcorp.com))

### 1983

**Edward J. Basgall** (Ph.D.) is an Electron Beam Lithographer—Nanofabrication Engineer. He is currently the Trustee for State College Underground Maltsters in PA. He is applying his microbiology and nutrition backgrounds to homebrewing all-grain beers and award winning hard ciders in preparation for starting a line of brew pubs.

### 1984

**Kenneth Poirier** (Ph.D.) is a Research Program Manager—Toxicology Excellence for Risk Assessment (TERA). He resides in West Chester, OH. ([kennethpoirier@sprintmail.com](mailto:kennethpoirier@sprintmail.com))

### 1985

**Laura M. Rosch** (M.S.) is currently a Physician in Chicago, IL.

### 1986

**Steven K. Clinton** (M.D./Ph.D.) is the Director of Cancer Prevention and Control Program, The Ohio State University Comprehensive Cancer Center where they are very pleased that Dr. Erdman will join them for his sabbatical leave this fall. He anticipates continued collaborations and exciting work on carotenoids and prostate cancer. ([clinton-1@medctr.osu.edu](mailto:clinton-1@medctr.osu.edu))

**Kathryn K. Harden** (Ph.D.) continues as the Assistant Editor for the *Journal of Nutrition*. ([kt Harden@uiuc.edu](mailto:kt Harden@uiuc.edu))

### 1987

**Lily Li** (M.S.) is the Group Leader of Analytical Mass Spectrometry in MA. Her professional activities include ACS.

### 1988

**Melissa Meredith** (M.D./M.S.) is an Assistant Professor of Medicine at the University of Wisconsin in Madison. Additionally, she is the Clinical Section Chief, Endocrinology Director, UW Diabetes Clinic.

### 1989

**Denise L. King** (Ph.D.) is the Director of Applied Technology at Protein Technologies International in St. Louis. Her professional activities include being elected alternate councilor (Spring 1999) for the St. Louis Section IFT (served as section chairman 1997-1998). She was also the co-organizer (with Dr. Bill Helferich) of "Soy and Chronic Disease" session for Global Soy Forum held in August 1999 in Chicago. In June 1999 she was promoted to Director of Applied Technology at Protein Technologies International—DuPont. ([dking@protein.com](mailto:dking@protein.com))

### 1990

**Min Ma** (M.S.) currently resides in Sunnyvale, CA.

### 1991

**Alyce D. Fly** (Ph.D.) is currently an Associate Professor of Applied Health Science at Indiana University in Bloomington, IN. She continues as chair of the State

Nutrition Council. This year she was promoted and received tenure. ([afly@indiana.edu](mailto:afly@indiana.edu))

**Lesley Helyar** (Ph.D.) is the Director at Bangor Montessori School in Maine.

**Matt Kuchan** (Ph.D.) is currently a Sr. Project Leader, Ross Products Division, Abbott Laboratories in Ohio. He and his wife, Sandra, are expecting their 6<sup>th</sup> child in October 1999. ([kuchan7@aol.com](mailto:kuchan7@aol.com))

**Ann M. Ward** (M.S.) is currently Director, Nutritional Sciences at Forth Worth Zoological Park, Fort Worth, TX. Her department recently expanded (1998) with the opening of an onsite nutrition laboratory with an ICP instrument for multimineral analysis and an HPLC for vitamin E, A, and carotenoid analysis. ([wardzoo@flash.net](mailto:wardzoo@flash.net))

**Karen (Dotson) Wisont** (M.S.) is a Medical Writer. She is self-employed with Wisont Research Communications in CA. ([kddotson@value.net](mailto:kddotson@value.net))

### 1992

**Gregory (Wibert) Wisont** (Ph.D.) is currently a self-employed consultant in Martinez, CA. He formed Wisont Research Communications with his spouse (Karen). He is a consultant for natural products, nutrition, and food industries. His son, Tristan Ray Wisont, was born July 1998. ([gwisont@value.net](mailto:gwisont@value.net))

### 1993

**Leslie Bourquin** (Ph.D.) is currently an Assistant Professor with the Department of Food Science and Human Nutrition and The National Food Safety and Toxicology Center at Michigan State University. ([bourqui1@msu.edu](mailto:bourqui1@msu.edu))

**Nicole de Leeuw** (M.S.) is currently a Clinical Cytogeneticist in the Department of Human Genetics at University Hospital, Nymegen, The Netherlands. She received her Ph.D. degree in Molecular Biology at the

University of Nymegen on March 25, 1999. ([NdeLeeuw@antrg.azn.nl](mailto:NdeLeeuw@antrg.azn.nl))

**Sarah Jaw-Tsai** (Ph.D.) was promoted in February 1999 to Senior Research Investigator with Drug Metabolism, Central Research Division, Pfizer, Inc. She is currently providing drug metabolism expertise to the advancement of obesity drug candidates in development. ([sarah\\_S\\_jaw-tsai@groton.pfizer.com](mailto:sarah_S_jaw-tsai@groton.pfizer.com))

**Kavita Patel** (M.S.) is currently a homemaker and mother of a 16 month old daughter, Ruhi. She is expecting her 2<sup>nd</sup> child in December 1999. She moved to South Carolina in July 1999.

### 1994

**Alexandra K. Adams** (Ph.D./M.D.) is currently an Assistant Professor in the Department of Family Medicine at the University of WI in Madison. She will have papers in *AJCN* and *American Family Physician* published this fall.

**Joan Paul** (M.S.) currently resides in Fort Wayne, IN.

**Catherine A. Peterson** (Ph.D.) is currently an Assistant Professor of Human Nutrition at the University of Missouri in Columbia, MO. This is a new position, as of January 1, 1999. She was awarded the American Dietetic Association's Dietetics Education Innovations Grant: "Entry-level Outcomes Research Collaborative Training Teams" in May 1999. ([petersonca@missouri.edu](mailto:petersonca@missouri.edu))

### 1995

**Mary (Larson) Dicklin** (Ph.D.) is currently a Clinical Research Scientist/Medical Writer with Nutrition and Metabolism Research Unit, Division of Protocare Trials. Even though she and Marc recently re-located to Colorado Springs, she continues to work for a company in Chicago (telecommuting). ([mdicklin@protocare.com](mailto:mdicklin@protocare.com))

**Carrie P. Earthman** (M.S.) successfully defended her doctoral dissertation on May 10, 1999. She began working as an Assistant Professor in the Department of

Foods, Nutrition, and Exercise at Virginia Tech on August 9, 1999. She gave birth to a beautiful daughter, Bronwyn Elise Earthman on December 18, 1998. She is healthy and growing like a weed!

**Susan M. Kandi-Gugger** (M.S.) is currently a clinical dietitian at Decatur Memorial Hospital and an instructor at Richland Community College. She gave birth to Morgan Kate Gugger on May 30, 1999.

### 1996

**Marc Dicklin** (M.S.) recently graduated from Midwestern University, Downers Grove, IL in May 1999 (with honors) from the Physician Assistant Program. He then moved to Colorado Springs, CO May 1999 with Mary and is currently a Physician Assistant with Colorado Springs Orthopedic Group.

([Marc\\_Dicklin@hotmail.com](mailto:Marc_Dicklin@hotmail.com))

### 1997

**Vicki M. Houle** (Ph.D.) recently moved to a new position in pediatric gastroenterology with the New England Medical Center in Boston, MA. She is a Postdoctoral Fellow with the Department of Pediatric Gastroenterology. She is happy to be there and very excited about her project!

### 1998

**Joshua Anthony** (M.S.) is currently a Doctoral Candidate at Penn State University College of Medicine, Department of Cellular and Molecular Physiology. His professional activities include being a member of the Energy and Macronutrient Metabolism Research interest section of ASNS. He was a recipient of the ASNS/Procter and Gamble Graduate Student Research Award and the APS/Genentech Graduate Student Research Award. ([janthony@psghs.edu](mailto:janthony@psghs.edu))

**Tracy Gautsch Anthony** (Ph.D.) is currently a Postdoctoral Research Fellow, Department of Cellular

and Molecular Physiology, Penn State University College of Medicine in Hershey, PA. Her professional activities include being an invited speaker for the graduate program in Nutrition Seminar Series, Penn State University. Her talk was entitled "Nutritional Regulation of Protein Synthesis in Skeletal Muscle after Exercise." She was also an invited speaker at the Metabolism Unit, University of Texas Medical Branch/Shriners Burn Institute. Her talk was entitled "Protein Synthesis in Skeletal Muscle Following Exercise: Regulation by Nutrition and Hormones." ([tgautsch@psghs.edu](mailto:tgautsch@psghs.edu))

**Elizabeth Ott** (M.S.) is currently an Editorial Assistant with ACCESS Medical Group, LTD. in Chicago, IL. ([lizott@ameritech.net](mailto:lizott@ameritech.net))

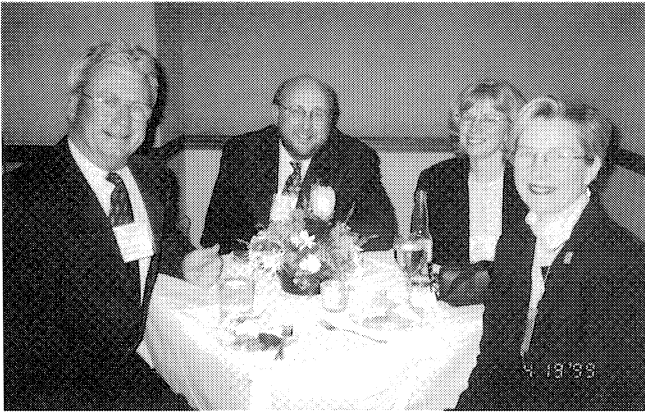
**Tia Rains** (Ph.D.) is currently a Research Scientist in Nutrition Research at Kraft Foods in Glenview, IL. Tia and her husband, Steve, are the proud parents of a baby girl born on October 30, named Alaina. ([trains@kraft.com](mailto:trains@kraft.com))

### 1999

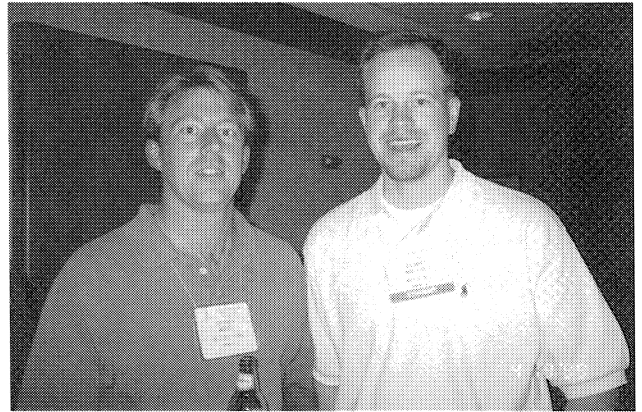
**Amy Boileau** (Ph.D.) completed the Dietetic Internship at UIUC in December 1998, and completed her Ph.D. in May 1999. She competed in the EB 1999 ASNS/Procter and Gamble Graduate Student Competition. Amy is currently a Postdoctoral Fellow at the University of Cincinnati Medical Center researching the role of pancreatic phospholipase A2 in cholesterol absorption. She received a Dannon Institute Postdoctoral Fellowship. ([amyboileau@aol.com](mailto:amyboileau@aol.com))

**Joshua Bomser** (Ph.D.) is currently a Postdoctoral researcher at the University of California—Berkeley Environmental Chemistry and Toxicology Lab. ([jbomser@nature.berkeley.edu](mailto:jbomser@nature.berkeley.edu))

# Nutritional Sciences Mixer at Experimental Biology 1999



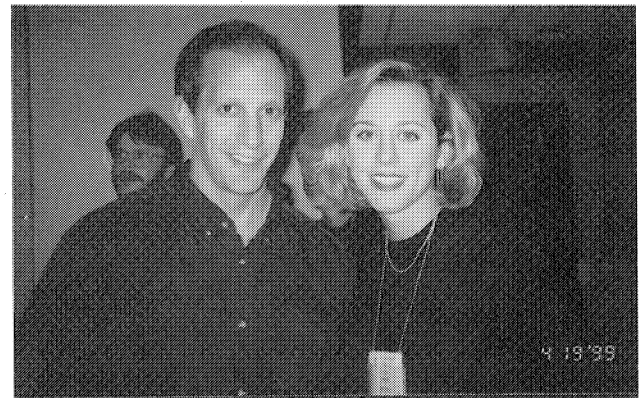
Doug Lance, Steve Clinton, Heather Mangian, Anne Smith



Jeff Woods and Tom Boileau



Jan Novakofski and Karen Chapman-Novakofski



Greg Paul and Tia Rains



Elizabeth Jeffery, Matthew Wallig, and Matt Kuchan



Amy Boileau and Kelly Ryan Long



Barbara Fine, Kristin Reardon, Laura Milo, Kelly Tappenden, and Keri Kles

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