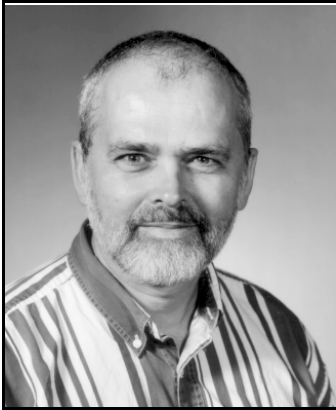




A Note From Dr. Lindsay



Another year, and here I am again. Department Head **Jim Rosenberger** decided to continue with the National Science Foundation for this academic year, but will return in the fall semester to resume his duties. He is hardly the only person gone this year. The department surely set a record with six faculty on leave for all or part of this academic year.

Alumni take note! This issue has a review of our last Alumni Workshop. I think it was highly successful, so we are working towards building another one this spring. You should be getting a mailing giving basic information soon. Special thanks for the first workshop are due to **k b Boomer** and the Student Advisory Committee.

The department is engaging in another important outreach activity. We are planning to develop an online professional master's degree in applied statistics. We would welcome comments on this from our many alums.

Other changes of particular interest for our alumni will include the new faculty and staff in the adjoining column. I think that the department has benefited greatly over the past few years by having the resources to hire lots of exciting young people. It gives the place a whole new energy. Also, note that the department had another successful year in the promotion and tenure department, with **Joe Schafer** receiving promotion to Associate Professor plus tenure. Our congratulations to him!

On a sadder note, we will be losing a number of faculty this year. **Mark Handcock** and **Martina Morris** have resigned their positions with us, and will be moving to the University of Washington in 2000. Also, **Ingrid Van Keilegom** has decided to take a university position in Belgium.

Once again, it is time for me to offer a round of thanks to all those who have served the department over this past year. It has been a pleasure working with you. There is a lot to be proud of in our department, from scholarship to education to outreach, and our community spirit is

responsible for our successes. Well, that's enough from me. Please read, enjoy, and send us your comments.

New Faculty & Staff

David Hunter, assistant professor of statistics received his Ph.D. from the University of Michigan in 1999. He was a graduate student instructor, receiving an Outstanding Teaching Award from the Department of Statistics in 1996-1997. His research interests are statistical computing and optimization.

Jouni Kuha, assistant professor of statistics graduated in 1996 from the University of Southampton with a Ph.D. in social statistics. He was a Research Fellow at Nuffield College, Oxford in 1998-1999. His research interests are problems with measurement error, misclassification and missing data; principles of model assessment and model choice and simulation-based methods.

Andrea Piccinin, director of the statistical consulting center, received her Ph.D. in psychology, adult development and aging from the University of Southern California in 1994. She was assistant professor in Human Development and Family Studies and assistant director of the Methodology Center at Penn State from 1997-1999. Her research interests are multivariate statistics, measurement, and social science methodology.

We would like to announce the appointment of **Kellie Karaky** as graduate/undergraduate secretary in the department. Kellie comes to us from Women's Studies where she was a staff assistant for two years.

Floyd Hummel, lecturer in statistics, received his A.B. in Physics from Cornell University and his M.S. in Physics from the University of Illinois. He is teaching Stat 250 and Stat 301.

We extend a warm welcome to them!

Attention

On March 20 and 21, 1999, the Statistics Department and its student advisory committee held an Alumni Workshop, inviting prospective and previous students to come and share current research interests. The following PSU graduates returned to give talks: **Jennifer Bacik**, **Bonnie Ghosh-Dastidar**, **Bob Heckard**, **Lynn Kirstein**, **Scott Pammer**, **John Peterson**, **Ramani Pilla**, **Andrew Pulkstenis**, **Frank Rossi**, **Anu Sharma**, **Harland**

Shoemaker, and **Laura Simon**. Nineteen of our current students took advantage of interviewing opportunities; eight of the students were completing their masters degree and six were Ph.D. candidates. The remainder interviewed for internships. Those who attended the workshop found it to be a valuable opportunity for interacting with alumni, current and prospective students. In a post-event survey, alumni commented that it was a "great way to stay connected with a dynamic department" and "a very nice venue for the graduate students and alumni to get to know each other better." Overall, it was "a rousing success". The next workshop will be held this Spring so mark your calendars now. Please visit our website <http://www.stat.psu.edu/sac/workshop/alumniworkshop.html>.

Congratulations

The Statistics Department, in collaboration with Penn State's Schreyer Institute for Innovation in Learning and Educational Technology Services has been awarded a \$200,000 grant by the Pew Foundation to transform Stat 200, our large introductory statistics class. Five faculty members, **Bill Harkness**, **Laura Simon**, **Bob Heckard**, **Pat Buchanan**, and **Mosuk Chow**, who call themselves TAPS for Teachers (of Statistics) at Penn State, will carry out the restructuring. Changes to the redesigned course will include: using available interactive technology; using web-based materials; one lecture per week instead of the current three; and two studio computer labs per week with 60 students sharing 30 PC's.

This structure will allow for group discussions, class activities, web-based quizzing, computerized self-assessment, and lots of hands-on experience by students with statistical analysis and visualization of concepts. There will be a greater opportunity for students to interact with faculty. Instructors will run one of the two studio labs each week and TA's will handle the other. To enable instructors and TA's to devote their full efforts to active learning, eight undergraduate interns will be recruited to assist students with any computer problems that may arise. The weekly lecture will be to 240 students, with the lecture repeated for a total of four times. Finally, a tutorial lab will be established to provide additional help for students needing extra assistance.

Plans call for completion of a rough draft of materials for the new course by the end of the current year, pilot testing during the Spring semester 2000, refinement and completion during the summer of 2000, and full implementation in the Fall semester 2000. A major benefit of the transformed course will be a reduction in the number of TA's needed (from 12 to 6), resulting in substantial savings in costs for the department, which can then be reallocated for other purposes. In addition to restructuring the learning mode, course objectives will be

modified to enhance statistical literacy, including requiring students to (a) understand and be able to apply basic experimental designs and sample surveys for collecting data and (b) be able to critically evaluate reports containing statistical analyses of surveys and experiments.

Bill Harkness and **Laura Simon** are the co-leaders of the project in Statistics. We thank them for their tireless efforts on behalf of this very important transformation.

Special Honors

Dr. Calyampudi R. Rao, Holder of the Eberly Family Chair in Statistics and director of the Center for Multivariate Analysis, was awarded an Honorary Doctorate Degree by the University of Brasilia, Brazil. The award is the twenty-first honorary degree he has received from universities in fourteen countries. The University of Brasilia confers honorary doctorate degrees on those who have distinguished themselves for their knowledge or for their work on behalf of the arts, sciences, philosophy, letters or better understanding among peoples. The diploma was presented at a ceremony held at the University on February 9, 1999.

Dr. Rao received the Twentieth Century Distinguished Service Award at the 9th Lukacs Symposium held at Bowling Green State University in April 1999, for outstanding contributions to the development and direction of cross-disciplinary combination of practicality and scholarship for statistics, ecology, environment and society.

The Board of Directors of the Society for Prevention Research selected Dr. **Joseph Schafer**, associate professor of statistics to receive the Early Careers in Prevention Science Award in 1999. The award was made in recognition of Dr. Schafer's significant contributions to solving missing data problems in the field of prevention research.

He is the principal investigator of a study examining "Missing Data Methods for Substance Use Surveys," which is a component of a Center of Methodology grant titled, "Center for the Study of Prevention through Innovative Methodology." The grant is funded by the National Institute on Drug Abuse in Washington, D.C.

Dr. Schafer received the award on June 25, 1999 during the Society for Prevention Research's 1999 conference which took place in New Orleans, Louisiana.

Dr. Schafer was appointed to the National Academy of Sciences Panel on Research on Future Census Methods (1999-2003). This panel will propose and study innovative

methods of data collection, processing, and dissemination in preparation for the 2010 decennial census.

Dr. **G.P. Patil**, distinguished professor of mathematical statistics and director of the Center for Statistical Ecology and Environmental Statistics has served on the UNEP Panel on Early Warning of Emerging Environmental Threats with Panel Chair Mario Molina, Nobel Laureate and a member of the U.S. President's Committee of Advisors on Science and Technology, and helped prepare a draft report on the theme of the panel.

Dr. Patil was the Distinguished Lukacs Professor at Bowling Green State University and convened the Ninth Lukacs Symposium on Frontiers of Environmental and Ecological Statistics for the 21st Century; Synergistic Challenges, Opportunities and Directions for Statistics, Ecology, Environment and Society. He was the inaugural speaker for the Symposium and Master of Ceremonies for the twentieth century distinguished service awards for outstanding synergistic development of statistics, ecology, environment, and society. Awardees included Nobel Laureate Molina, American Vice President **Al Gore**, Harvard biologist **E.O. Wilson**, Penn State Eberly Professor **C.R. Rao**, Distinguished Professor **G.P. Patil**, and others. Penn State awardees for statistical ecology and environmental statistics included **Wayne L. Myers**, **Charles Taillie**, and **Steven K. Thompson**. Invited speakers among young professionals included Penn State graduate students **Senin Banga**, **Danila Filipponi**, and **Glen Johnson**.

Dr. Patil has been named an Honorary Visiting Professor at the Centre for Policy Research in New Delhi, India. He was named Honorary Professor at the Centre for Clean Environment Technology of Bangalore University, Bangalore, India.

Dr. **Zhen Luo**, assistant professor of statistics has been selected as a Robert Wood Johnson Foundation/Tobacco Etiology Research Network Faculty Scholar. The Research Network on the Etiology of Tobacco Dependence/(TERN) is composed of scientists representing a number of disciplines who constitute an "institute without walls."

Visitors

During the past year the Statistics Department has had quite a few visitors from other universities who have come to Penn State to do research or teach one of our statistics classes.

Dr. **Ji-Hyun Kim**, associate professor of statistics at Soongsil University in Seoul, Korea.

Dr. **Debasis Kundu**, associate professor of statistics in the Department of Mathematics at the Indian Institute of Technology in Kanpur, India.

Dr. **Gerald Letac**, professor of statistics at Columbia University in New York.

Dr. **Marianthi Markatou**, associate professor of statistics at Columbia University in New York.

Dr. **A.R. Padmanabhan**, honorary research associate, Monash University in Clayton, Australia.

Dr. **Chandra Balasubramanian**, professor of mathematics at the Indian Institute of Technology in New Delhi, India.

Dr. **Vithanage Pemajayantha**, lecturer at the University of Western Sydney in Australia.

Dr. **Carlos Rodriguez**, associate professor of mathematics and statistics at the University of Albany, SUNY in Albany, New York.

We thank all of them for their interest in our department.

Statistical Centers

Statistical Consulting Center

The center has seen a lot of changes in personnel recently. In August, Dr. **Andrea M. Piccinin** was hired as the director. Andrea came to the center from a position as assistant director of the methodology center in the College of Health and Human Development at Penn State. Her experience in social science methodology will add a new dimension to the center. Experience in running workshops and short courses will aid in the outreach components of the center's strategic plans.

This year we have two new graduate assistants. **Ofer Harel**, a second year student with previous consulting experience in Israel, and **Julia Belanger**, a first year student with experience and interests in the social sciences. Julia's assistantship is shared with the Population Research Institute. **Haihong Li**, who has been with the center for 3 years is moving on to an assistantship at Minitab. We are also losing **Tanya Bekhuis** as Associate Consultant. Tanja is planning to start her own consulting business here in State College. We wish her every success.

A number of new faces are helping to keep the center day to day operations running smoothly. **Marina Tempelman** has joined the center with the responsibilities of bookkeeping. She has taken on the duties performed by **Michelle Sturgis** who transferred to Dr. **John Brighton's**

office. Marina, along with **Jennifer Pittman**, is doing a great job of coordinating the various systems that have accumulated over the years. We are also fortunate to have hired four excellent undergraduate work study students who handle communications and general office work.

kb Boomer, who did a fantastic job of keeping the center running while **Janice Derr** was on leave, will continue as associate director. She takes responsibility for training new staff, students and consultants, in addition to keeping busy with her activities as a consultant and in running the center. kb plans to complete her dissertation this year.

Center for Statistical Ecology & Environmental Statistics

Professor **Koji Kurihara**, Okayama University, Japan, is a visiting research scholar in the Center. Dr. Kurihara arrived in May 1999 and will be in the Center through March 2000. **Gianni Zurlini** and **Luigi Grossi** of the University of Parma, Italy, visited the Center to discuss research of common interest. **Polona Kalan** has returned to the Slovenia Forestry Institute in September after a six month research visit to the Center. **Glen Johnson** completed his Ph.D. with his doctoral dissertation on "Landscape Pattern Analysis for Assessing Ecosystem Condition: Development of a Multi-Resolution Method and Application to Watershed-Delineated Landscapes in Pennsylvania" and has accepted a position as a research scientist in the Geographic Research and Analysis Section of the Bureau of Environmental and Occupational Epidemiology with the New York State Department of Health.

Center for Multivariate Analysis

The Center for Multivariate Analysis has had ongoing research miniseminars on the use of fractals and wavelets in statistical analysis of shape. Dr. **Chandra Balasubramanian**, professor of mathematics at the Indian Institute of Technology, New Delhi, was a visitor in the Center as a research associate. Her special area of expertise is Neural network and its applications to regression and discrimination problems in statistics.

Colloquium

Under the direction of Dr. **Joseph Schafer**, assistant professor of statistics (Spring 1999) and Dr. **Francesca Chiaromonte**, assistant professor of statistics (Fall 1999) the department once again enjoyed excellent speakers for our colloquium series throughout the year. Those presenting from outside Penn State included **Eugenijus Manstavicius**, Vilnius University, **Hannu Oja**, University of Jyvaskyla, Finland, **Dennis Cook**, University of Minnesota, **Dan Nicolae**, University of Chicago, **David**

Hunter, University of Michigan, **Sharon Browning**, University of Washington, **Jouni Kuha**, Nuffield College, **Francesca Dominici**, Johns Hopkins University, **Efstathia Bura**, George Washington University, **Abram Kagan**, University of Maryland, **Jose Pinheiro**, Bell Labs, Lucent Technologies, **T. Parathasarathy**, Indian Statistical Institute, **Basilio De Braganca Pereira**, University of Rio de Janeiro, Brazil, **Chandra Balasubramanian**, Indian Institute of Technology, India, **Onur Guleryuz**, Polytechnic University, **Carlos Rodriguez**, University of Albany (SUNY), **Guenther Walther**, Sanford University, **Adrian Raftery**, University of Washington, **Michael Lin**, Ben Gurion University, **Don Sun**, Lucent Technologies, **Christian Kastner**, Ludwig-Maximilians University, **Sir Roger Penrose**, University of Oxford, **A.R. Padmanabhan**, Monash University, **Alan Tupik**, Census Bureau, **Boris Gurevich**, Moscow University.

Those speakers from Penn State included **Andrea Piccinin**, **S.R. Kumara**, **Masatoshi Nei**, **Andy Myers**, **Stu Kurtz**, and **John Liechty**.

Faculty Talks

Dr. **Calyampudi R. Rao**, Eberly Professor and director of the Center for Multivariate Analysis, gave the inaugural invited address on Statistics: A Technology for the Millennium on February 8, 1999 at the Sixth School of Regression Models held at the University of Brasilia, Brazil.

Dr. Rao took part in the panel discussion on Issues and Approaches for Combining Practicality with Cross Disciplinary Scholarship into the new Millennium with Floor Discussion on April 24, 1999 at the 9th Lukacs Symposium held at Bowling Green State University.

Dr. Rao gave a keynote address on Statistical Solutions to Some Matrix Problems on December 12, 1998 at the Seventh International Workshop on Matrices and Statistics, in celebration of T.W. Anderson's 80th birthday, held at Fort Lauderdale, FL.

Dr. Rao gave a colloquium talk at the University of Miami on Cross Examination of Data: Making Figures Speak on February 15, 1999. He also gave colloquium talks at the University of Windsor, Canada on March 28, 1999 and at the Oakland University, Rochester, Michigan on March 29, 1999 on Statistics: A Technology for the Millennium.

Dr. Rao attended the conference on Recent Advances in Probability and Statistics in honor of Theophilos Cacoulos, held in Athens, Greece on June 3-5, 1999. He gave the keynote lecture: Pre and post least square: The emergence of robust estimation. He also gave an invited talk on the origin of biostatistics and the current state of

the art at the Biostatistics department of the University of Athens.

Professor **G.P. Patil**, distinguished professor of mathematical statistics and director of the Center for Statistical Ecology and Environmental Statistics, was the keynote speaker at the 86th Session of the Indian Science Congress Association held at Anna University, Chennai, India during January 1999.

Dr. Patil was an invited speaker at the 50th Anniversary of the German Colloquium in Freiberg, Germany on "Spatuak and Environmental Statistics" held in June 1999 and an invited inaugural speaker on "Environmental Policy Research Using Remote Imagery and Geospatial Information" at the National Convention in Statistics and the Environment in Argentina held in October 1999 at the University of La Plata.

Dr. **Joseph Schafer**, associate professor of statistics presented a continuing education course on imputation of missing data at Global Meeting XVI, International Clinical Epidemiology Network in Bangkok, Thailand. While there, he enjoyed the 95-degree heat of Bangkok's "dry summer" which begins in March.

Grant News

Martina Morris, professor of sociology and statistics and **Joseph Schafer**, associate professor of statistics have been awarded a five-year grant from NIH "HIV and STDs in young adult networks". They will be working with a team of researchers at the University of North Carolina (headed by **Richard Udry**, Ph.D.) to implement the third phase of the National Longitudinal Study of Adolescent Health.

The Center for Statistical Ecology and Environmental Statistics submitted a collaborative research proposal on Landscape Approach to Ecological and Environmental Assessment to the University of Parma, Parma, Italy for the Map of Italian Nature Project in the Division of Technical Services of the Office of the Italian Prime Minister and has received \$500,000 grant for the initial two year period. The Center has received a \$25,000 addendum to the EPA research grant entitled Research and Outreach on Observational Economy, Environmental Sampling, and Risk Assessment Statistics. The EPA Benchmark Dose Implementation Research Grant continues in its third year. The NSF grant on Multi-scale Statistical Approach to Critical-Area Analysis and Modeling of Watersheds and Landscapes grant ended in April and the final report on this extremely successful project has been sent to NSF. Dr. Patil is the principal investigator for these research grants with **Charles Taillie** as the research associate. **Senin Banga**, **Glen Johnson**,

and **Sonia Rodriguez** have been graduate research assistants.

Faculty News

G.P. Patil, distinguished professor of mathematical statistics and director of the Center for Statistical Ecology and Environmental Statistics was invited to serve on the peer review panel for Graduate Environmental Study Fellowship on Terrestrial Ecology and Ecosystems, U.S. Environmental Protection Agency, Washington, DC, February 1999. He is also a member of the Advisory Panel for the Cooperative Agreement between the George Washington University and the U.S. Environmental Protection Agency's Office of Water.

Dr. Patil organized two sessions on "Spatial Analysis in Ecology: Statistical Analysis of Remote Imagery in Landscape Ecology" at the 1999 Annual Meeting of the Association of American Geographers in Honolulu, Hawaii during March of 1999. He was the instructor for a short course on "Environmental and Ecological Regional Policy Research" with Remote Imagery and Geospatial Information" at the 44th Biometric Meeting of the Brazilian Region of the International Biometric Society in Botucatu, Sao Paulo, Brazil during July 1999. He was organizer and chair of an Invited Paper Meeting on "Landscape and Watershed Frontier of Environmental and Ecological Statistics with Remote Sensing Data" at the 52nd International Statistical Institute Session held in Helsinki during August 1999. Also, in August, he was organizer and chair of "Landscape Health Assessment Using Remote Imagery, Geospatial Information, and Landscape Fragmentation" at the International Congress on Ecosystem Health in Sacramento, California. Dr. Patil was the instructor for a short course on Landscape Approach to Environmental and Ecological Statistics at the Biometrics Conference in La Plata, Argentina in October 1999.

Dr. **Joseph Schafer** was awarded tenure and promoted to associate professor of statistics on July 1, 1999.

Dr. **Martina Morris**, professor of sociology and statistics and Dr. **Mark Handcock**, associate professor of statistics have published a book, "Relative Distribution Methods in the Social Sciences" with **Springer Verlag**. It is part of their series, "Statistics in the Social Sciences". The website for the book is <http://www.stat.psu.edu/handcock/RelDist>.

Special Announcement

An international conference will be held at the University of Texas at San Antonio on March 16-19, 2000 in honor of Professor **C.R. Rao** on the occasion of his 80th birthday. The primary focus of the conference will be to provide a forum for participants to discuss the changing face of

statistical research and to highlight the contributions of C.R. Rao to different areas of Probability and Statistics. There will be several invited presentations by renowned statisticians and numerous technical sessions of contributed talks. The organizing committee consists of **N. Balakrishnan** (McMaster University), **N. Kanan** (University of Texas - San Antonio), **R. Khattree** (Oakland University), **T. Nayak** (George Washington University), and **S. Peddada** (University of Virginia). For more information on registration and other details please contact **Nandini Kannan** (kannan@sphere.math.utsa.edu) or visit the website <http://www.math.utsa.edu/kannan/conf>.

Awards

Congratulations to the following students who received departmental travel award funds: **George Chao, Senin Banga, Martin Felix-Medina, Jerry Maples, Paul Mosquin, Jennifer Pittman, Maren Olsen, Herb McGrath, Yungling Du, Karen Boomer, Recai Yucel**. They all attended one of the national meetings.

Congratulations Students

Doctorates

Scott Beattie (Spring 1999) accepted a position as a senior biostatistician at Eli Lilly and Company at the corporate headquarters in Indianapolis, IN. His thesis titled *Contributions to the Design and Analysis of Experiments: Computer Experiments and Supersaturated Designs* was conducted under the direction of Dr. **Dennis K.J. Lin** and Dr. **K.H. Fong**.

Madhumita (Bonnie) Ghosh-Dastidar (Spring 1999) accepted a position as a statistician with the RAND Corporation in Santa Monica, CA. Her thesis titled *Multiple Edit/Multiple Imputation for Multivariate Continuous Data* was conducted under the direction of associate professor of statistics **Joseph Schafer**.

Chang-Tai Chao (Summer 1999) accepted a position as an assistant professor of statistics with the National Cheng-Kung University in Tainan Taiwan. His thesis titled *Adaptive Sampling Designs* was conducted under the direction of associate professor of statistics **Steven Thompson**.

Arthur Dryver (Summer 1999) accepted a position as an associate consultant with Pricewaterhouse Coopers in Washington, DC. His thesis titled *Adaptive Sampling Designs and Associated Estimators* was conducted under the direction of associate professor of statistics **Steven Thompson**.

Yungling Du (Summer 1999) accepted a position as an associate professor of statistics with the Biostatistics Department at Columbia University. Her thesis titled *A Fully Nonparametric ANCOVA Method for Censored Data* was conducted under the direction of professor of statistics **Michael Akritas**.

Masters

Kelly Fox (Spring 1999) accepted a position with Johns Hopkins as a Sr. Programmer/Analyst.

Cynthia Gargano (Spring 1999) accepted a position with Merck.

Brent Williams (Spring 1999) accepted a position with The Mayo Clinic as a Biostatistician

Hrisanthi Adamopoulos (Summer 1999) accepted a position as an associate consultant with Deloitte and Touche in Hartford, CT.

Jie Bai (Summer 1999) accepted a position as a quality business analyst with First USA Bank in Wilmington, DE.

Ying Huang (Summer 1999) accepted a position as an actuarial assistant with Insurance Services Offices, Inc. In New York, NY.

Mike Kwanisai (Summer 1999) is pursuing his Ph.D. in statistics.

Xiao Zhou (Summer 1999) accepted a position as a policy analyst with First USA Bank in Wilmington, DE.

Welcome New Students

The department welcomes the following new students who were admitted into our graduate program this Fall: **Alicia Ambrose, Efi Antouiou, Steve Bai, Julia Belanger, Ryan Birtel, Amy Burnicki, Shu-Chuan Chen, Bryan Crissinger, Borislav Froloshki, Janice Heverly, Ying Huang, Qiu Li, Chanhua Liu, Jessica Martinelli, Brenda Phillips, Surajit Ray, Michaela Ugarcovici, Jaiyang Wang, Jiping Wang, Ayako Yajima**.

Thank You

Bing Li, associate professor of statistics and chair of the library committee would like to thank those who volunteered to clean up the library this past year. Those who contributed to this important project were **Ingrid Van Keilegom, Haihong Li, Mosuk Chow, Sami**

Huovilainen, Martin Felix Medina, Rui Ding, Jim McDermott, Recai Yucel.

Thanks to all!

Alumni News

Yong Lin (Spring 1997) writes that he has accepted a position at the Cancer Institute of New Jersey in the Biostatistics Department.

ALUMNI REPLY FORM

Please complete and return this form for our alumni files. Include news (professional and/or personal) of your current activities, or suggestions for the next *Statnews*.

Name _____ Degree(s) & year(s) _____

Residence Address _____ Home Phone _____

City, State, Zip _____

Business Address _____ Business Phone _____

_____ Fax Number _____

City, State, Zip _____

Internet/Electronic Mail Address _____

Position _____

Information About Yourself:

(Unless you request otherwise, we will assume it may be mentioned in future Newsletters.)

I do not wish to have this information in Statnews or alumni directory.

Employment Information:

If you work for a company which may be interested in employing statisticians, either at the undergraduate or graduate level, please let us know. We will make this information available to our graduates.

WE APPRECIATE YOUR SUPPORT

In this time of decreasing support from the State of Pennsylvania and the extreme difficulty in obtaining enhancement funds, contributions to the department become increasingly more important in permitting us to pursue our departmental goals. I'm sure you are aware that if you make donations to the University you can direct them to whatever program you wish. If you would like to make a donation to the Department of Statistics, please direct it to our fund to enhance the department: Statistics Department Research Fund, Room 326 Thomas Building, University Park, PA 16802-2111

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