

12-2002

Partners, December 2002

Dale Bumpers College of Agricultural, Food, and Life Sciences (University of Arkansas, Fayetteville). Center of Excellence for Poultry Science

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Citation

Dale Bumpers College of Agricultural, Food, and Life Sciences (University of Arkansas, Fayetteville). Center of Excellence for Poultry Science. (2002). Partners, December 2002. *Partners.*, 10 (4) Retrieved from <https://scholarworks.uark.edu/posc-partners/22>

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FROM THE DIRECTOR

Dr. Walter Bottje,
Interim Director
Center of Excellence
for Poultry Science



At this time of year while we are caught up in the rush of year-end deadlines and holiday festivities, we need to take a minute and count our blessings. We may forget in our daily lives all of the 'things' that help us carry out our business – in our Center these include great people, great students, great facilities, and a great place to work.

Looking through this newsletter, you will see a number of blessings that continue to help make our program grow and develop; wonderful donations of equipment by FPEC to the Pilot Processing plant, contributions to the Poultry Science Club by Aviagen, a donation to the scholarship program by Hubbard-ISA, and a ground breaking of a new broiler breeder farm research facility by Cobb-Vantress, Inc. We don't want to steal the thunder on the new broiler breeder research farm – more details will be forthcoming in a future edition of Partner's – suffice it to say that no other university in the country has anything close to it.

People make a place what it is – not bricks and mortar. John Tyson was honored at a luncheon for the support of the Tyson Foundation to our scholarship program and gave students a rare opportunity to listen to ideas and thoughts as well as ask questions of the CEO of Tyson Foods. Among many things discussed, Mr. Tyson advised students to take full advantage of the time that they are in college. Dan Donoghue gave his time to visit the Bernice Young Elementary School to talk

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Food Processing Equipment Company (FPEC) donates much needed equipment

When Food Processing Equipment Company (FPEC) was asked to step up to the plate and make a pledge during a capital equipment campaign for the Center of Excellence for Poultry Science a few years back, they did so willingly. Alan Davison, president of FPEC, promised an equipment donation of \$10,000 to the Center.

This month, Davison not only made good on that promise, he added to it three-fold and FPEC recently donated over \$44,000 worth of equipment to the poultry science program at the University of Arkansas.

Items donated to the Center included a CO₂ mixer, a tumbler, and some stainless steel tables and sinks.

"By partnering with the University of Arkansas, we have been able to develop new technology for the whole industry," said Davison. "We were happy to make this donation in order to assist the U of A in their efforts of research and development. An added benefit of the gift was that two former U of A students designed this particular equipment and were able to 'give back' some of their talent to their alma mater."

The mixer and tumbler were designed by Chris Clouse, Director of Engineering, and Clay Owens, Mechanical Design Engineer for FPEC.

"I am so excited about this particular donation. It will help my program immensely," said Dr. Casey Owens. "My area is poultry products and both of these large pieces of equipment will be well used in my research endeavors."

DONATION - Continued on page 2.



GENEROSITY - From left: Robert Coffin, Regional Sales Manager; Chris Clouse, Director of Engineering; Alan Davison, President; and Clay Owens, Mechanical Design Engineer, all from FPEC, attend a reception in their honor at the Center of Excellence for Poultry Science.

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to a group of fourth graders about human physiology. The Poultry Science Club helped raise food for families during the holiday season with a competitive food drive between floors of the Center. Over a short period of time, over 500 lbs of food was raised and delivered to needy families in the area. A lot of people devoted a lot of time to a putting on a Christmas dinner for the Department. Seeing a need for information on water quality in the industry, Susan Watkins put on a first Water Quality Symposium that was well attended – in spite of a healthy dose of ice that we all just love at this time of year. Several faculty and staff as well as students helped put on the annual broiler show at the State Fair. These things and others not mentioned go on daily and help make CEPS what it is. Finally, I'd like to thank Karen Eskew for making this interim year a little bit easier for me with all the things she has done for the Department. Karen – good luck, you will be missed by all of us.

Happy Holidays to everyone.

PARTNERS is a newsletter for faculty, staff, students, alumni and friends of the Center of Excellence for Poultry Science, University of Arkansas Division of Agriculture and Dale Bumpers College of Agricultural, Food and Life Sciences, UA-Fayetteville.

CEPS Interim Director and Poultry Science Department Head: **Dr. Walter Bottje**
Editor: **Karen Eskew (her final edition)**



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DONATION - Continued from page 1



GETTING EQUIPPED - Shown above are two of the pieces of equipment donated to the Center by FPEC. From left to right are the CO₂ mixer and tumbler.

Building begins on the new Cobb-Vantress Inc./ Broiler Breeder facility



UNDERWAY - After years of planning and preparation with Cobb-Vantress, Inc., we are excited that actual construction of a University of Arkansas Research and Development Poultry Breeder Project is now underway. Shown in the picture above are John Langston (Engineer), Dr. Craig Coon (Professor, Department of Poultry Science), and Mike Latta (Latco, Inc) going over the plans prior to start of construction. This facility will have a rearing house for males and females, two breeder houses (48 floor trial pens and 6 spare pens each), an egg holding room, a biosecurity facility with office, conference room and shower facilities, and an on-site dwelling for a farm manager. An official groundbreaking will occur soon and more details about this wonderful addition to our facility, the vendors involved in equipping the facility, and the overall financial support and guidance for this facility by Cobb-Vantress will appear in a future issue of Partners.

John Tyson attends luncheon and talks to poultry science students on campus



UNIQUE OPPORTUNITY - John Tyson, center, Chairman and CEO of Tyson Foods, Inc., visited campus for a luncheon and spoke to poultry science students regarding the future of the poultry industry.

John Tyson, chairman and CEO of Tyson Foods, Inc., made a very special visit to our campus on November 4 to attend a luncheon in his honor and talk with poultry science students.

Tyson donated \$500,000 toward the poultry science scholarship fund this past year and the Center wanted to take the opportunity to thank him publicly for this generous gift.

The luncheon not only provided an opportunity to say “thank you,” it also gave students a rare opportunity to ask questions and open dialogue with the Chairman of the largest protein producer in the world.

Several topics that came up during the discussion involved the future of the poultry industry and what Tyson saw as obstacles to overcome and issues that would be prevalent over the next decade.

Tyson encouraged students to take their time during their studies and truly discover what it is they like to do. One of his fondest memories was the opportunity to study abroad and realize as a young man how large and diverse the global marketplace really is.

Tyson was presented a plaque in appreciation for long-term support by Tyson Foods and the Tyson family.

Last December when the Tyson Foundation gave \$500,000 to the Randal Tyson Memorial Endowed Scholarship Fund, the gift brought the balance of the scholarship fund endowment created by an earlier gift to \$1,209,000.

When Tyson was getting ready to depart, Interim Department Head Walter Bottje asked him if he would consider making this an annual event. Tyson said if his schedule allowed, he certainly would try to make it back to the Center.

Faculty member visits local elementary school and teaches students about physiology

Dr. Dan Donoghue, physiologist in the Department of Poultry Science, recently made a “field trip” to Bernice Young Elementary in Springdale to talk to the entire fourth grade about blood, circulation, cells and other items at work in the human body.

The fourth graders are studying human physiology and were honored to host Donoghue as their special guest speaker.

Donoghue normally teaches graduate-level courses at the Center of Excellence for Poultry Science, so it was a “nice change of pace” from his usual presentations. Occasionally a student asked a question that Donoghue just had to smile about before fully explaining the process.

“I really enjoy speaking to elementary students,” said Donoghue. “Some of their outlook on complex processes is truly refreshing to hear.”

Donoghue had the entire fourth grade for one hour during their special assembly. Students thought up questions prior to the professor’s arrival and then asked them in random order.



IT’S ELEMENTARY - Dr. Dan Donoghue, standing left, took time out of his day to teach a different kind of student than he is accustomed to... fourth graders at Bernice Young Elementary in Springdale. Donoghue typically teaches graduate students at the U of A.

Alumni NEWS



Dr. Lionel Barton
Board President
POSC Alumni
Group

Since our last news update, we have held area meetings in Hope and Batesville, giving us the opportunity to visit with Alumni who aren't able to make it to campus as often as they would like.

Plans are underway for an area meeting in Russellville to meet with graduates in the central part of the state. At these meetings, Gary Davis, undergraduate recruitment advisor, explains about the poultry science department scholarship programs; Diana Bisbee gives an update on the department; and I bring the attendees up-to-date on plans for the Alumni group and membership numbers.

Events for 2003 include an informal get-together at the International Poultry Expo in Atlanta, spring meeting in Russellville, May 16th Scholarship Golf Tournament, June annual Poultry Science Alumni Group meeting, and a fall tailgate party. Hope to see you during the coming year!

If you would like to contact Dr. Barton you may e-mail him at lbarton@uark.edu or call the front desk for a message at 479-575-4952.

Dr. Barton is an emeritus faculty member of the poultry science department and he served as an extension poultryman.

Poultry Science Club gets \$500 check from Aviagen



POSC CLUB RECEIVES FUNDING- Bob Rochelle, fourth from the right, of Aviagen presents a \$500 check to Cody Keen, third from left, president of the Poultry Science Club. The check is in memory of the late Charles Clifford Jones who passed away in August 2000. Each year Aviagen makes a contribution to the club in honor of their former employee. Others in the photo from left are Robert Hubbard, Adriane Hubbard, Sarah Sossamon, Alison Drumwright and Rachel Griesse. All of these students serve as officers in the Poultry Science Club.

Hubbard Farms presents scholarship check



GENEROSITY- Far right, Gary Warren of Hubbard Farms presents a check for a scholarship to Eric Wright as Dr. Walter Bottje looks on.

Poultry Science Club delivers much needed food to families during the holiday season

The University of Arkansas Poultry Science Club sponsored their annual holiday food drive at the Center of Excellence for Poultry Science in November. The “war of the floors” as they dubbed this year’s event, amassed over 500 lbs. of food, which was donated primarily by faculty, staff and students at the poultry center. Food was then distributed to needy families in the Northwest Arkansas area prior to the Thanksgiving holiday.

The naming of the event was the brain child of the Poultry Science Club officers to help encourage more participation by students and employees. Each of the four floors located in the poultry center on the U of A campus competed against each other, and the results were posted throughout the collection period to encourage continued donations throughout the campaign.

The floor donating the most pounds of food per person (divided by the number of full-time employees working on that particular floor) won a fajita luncheon to be cooked by club personnel. The second floor of the building collected the largest quantity of food and will be enjoying their luncheon soon.

Dr. Jason Emmert, club advisor and poultry faculty member, said “It was fun having some friendly competition between the floors. It also assisted in keeping the event top-of-mind with the staff, thereby netting us the largest amount of food ever donated during this particular event.”



HOLIDAY FOOD DONATION- From right, Caroline Collins, Donna Tinsley and Cody Keen, all of the Center, load up the back of a families' car with much-needed food for the holiday season.

The Poultry Science Club is made up of undergraduate students that have an interest in poultry. The club boasts over 60 members and conducts several service projects as well as fundraising projects throughout the year.

It's time to start thinking about the links... come join us at the 4th Annual Poultry Science Scholarship Golf Tournament

Even though the temperatures are a bit chilly outside, it's time to start planning our next Scholarship Golf Tournament. The date has been set for Friday, May 16, 2003, at the Valley View Golf & Country Club in Farmington. This is the same venue as last year's tournament.

After expenses, scholarship money raised at the event goes directly into the poultry science scholarship fund. This is much needed money that assists the department in recruiting top-notch students from around the state and the world.

Diana Bisbee is in charge of the annual event and questions may be directed to her. You may call (479-575-4952) or E-mail her (dbisbee@uark.edu).

We have set up a special link off of the poultry science web site for registration and information regarding the tourney. (<http://www.uark.edu/depts/posc/golf.html>) This year the event will be a four-person scramble with a shotgun start in the morning and afternoon.

Because we were able to hold down expenses, entry fees will remain the same as in 2002 with Hole Sponsors for the event going for \$1500 (which includes a four-person team) and team sponsors going for \$500. We hope to see your team there!

It's a terrific time to get together with others in the poultry and allied industries.



National Collegiate Judging Contest Results



IT'S A TIE! - Students from the Kansas State University judging team and the Texas A&M University judging team shared the stage and the winner's trophy for the 37th Annual National Collegiate Poultry Judging Contest.

Kansas State students are on the left side of the picture and Texas A&M students are on the right.

FAYETTEVILLE - The University of Arkansas Department of Poultry Science hosted the 37th Annual National Collegiate Poultry Judging Contest Nov. 3 - 5 on the UA campus. Eight schools from across the country participated in the event.

Team scores as well as individual scores are tabulated and the following are the results of the competition: Kansas State University (KSU) and Texas A & M University (TAMU), tied for first place; Mississippi State University (MSU), second place; University of Arkansas (UA), third place; Louisiana State University (LSU), fourth place; and North Carolina State University (NCSU) fifth place.

Top 10 individuals for high score were: Allen Baldrige, KSU, first place; Jay Glueck, TAMU, second place; Michael Cross, TAMU, third place; Jeremy Lies, KSU, fourth place; Judd Stevens, MSU, fifth place; Jessica Conner, UA, sixth place; Kyle Fournet, LSU, seventh place; LeAnn Layman, UA, eighth place; John Cox, MSU, and Crystal Smith, TAMU tied for ninth place; and Zac Edgerton, KSU, and Cheyenne Campbell, TAMU, tied for tenth place.

Because of the tie, the top two teams are splitting possession time of the four-foot-high traveling trophy. Both KSU and TAMU will receive permanent trophies as well.

The eight teams that participated were: Kansas State University, Louisiana State University, Mississippi State University, North Carolina State University, Stephen F. Austin State University, Texas A&M University, the University of Arkansas, and the University of Wisconsin-River Falls.

Sponsors for the event were The Poultry Federation,

Butterball Turkey, Cal-Maine Foods, Inc., Cargill, Inc., George's, Inc., Green Forest Egg Co., Peterson Farms, Inc., Simmons Foods, and Tyson Foods, Inc. Special assistance to the contest was also provided by The Poultry Improvement Committee.



U OF A TEAM - From left top row, Dr. Casey Owens, Jarrod Van Brunt, Dr. Jason Emmert (coach); bottom row Jessica Connor, Jana Cornelison and LeAnn Layman.

Water Quality Symposium takes place at Whitaker Arena

FAYETTEVILLE - Over 100 industry representatives from Missouri, Arkansas, Oklahoma, Texas, Mississippi, Florida and other states attended the Poultry Drinking Water Quality Workshop hosted by Dr. Susan Watkins, Extension Poultry Specialist, and the Center of Excellence for Poultry Science.

The workshop took place at the Pauline Whitaker Arena for Animal Science on the UA campus.

The workshop covered everything from why water quality is important to the different sanitation options available to poultry producers.

The workshop was organized in response to industry demand for more information about achieving water quality goals since many companies are now limited on the types of subtherapeutic antibiotics, which they can use to prevent or eliminate different diseases.

There was a proceeding from the workshop and interested parties can contact Dr. Watkins for a copy. (Phone: 479-575-4952 or E-mail swatkin@uark.edu).



Poultry Science personnel and students assist with broiler show at State Fair

Students from around the state competed in October at the Arkansas State Fair Broiler Show in order to win a ribbon and the opportunity to auction off their birds to the highest bidder.

The Arkansas youth pullet chain is sponsored by the Cooperative Extension Service in conjunction with the Poultry Science Department at the U of A. Each year, children can purchase birds at a nominal cost and raise them in order to compete at the fair. Birds are judged on consistency, breast yield, size and overall appearance.

Some of the staff hosting the event were Jerry Wooley, Poultry Extension specialist, Tom Tabler, Applied Broiler Research Farm Manager, and Gary Davis, undergraduate recruiter. Students from the Poultry Science Club "volunteered" their hours of service at the event to help offset their scholarship hour requirements. (Students receiving a poultry science scholarship must work a certain number of hours each semester in order to be eligible for selection as a recipient the next semester.)



HERE COMES THE JUDGE- Kids participating in the Broiler show at the state fair wait patiently with their birds until it's their turn with the judge.

Calendar

DECEMBER 24 - JAN 2

University Holiday
(Offices closed)

DECEMBER 25

Christmas Day

JANUARY 1

New Year's Day

JANUARY 13

Spring Classes resume at the University of Arkansas

JANUARY 20

Martin Luther King Jr. holiday - U of A offices are closed

JANUARY 22-24

International Poultry Exposition in Atlanta, Georgia

FEBRUARY 6 - 8

National Turkey Federation meeting in San Antonio, Texas

MARCH 2 - 5

National Meat Association meeting in Las Vegas

MARCH 17 - 21

SPRING BREAK U of A
Offices closed on March 21 for Holiday

MAY 16

4th Annual Poultry Science Scholarship Golf Tournament at Valley View Golf & Country Club in Farmington, Arkansas

NEW BABY!

Congratulations to Dr. Young Min Kwon and his wife, Jinnie, on the arrival of Noah o'chang Kwon born November 24th at 8:50 a.m. Noah weighed 7.7 lbs.

Dr. David Chapman was an invited speaker on coccidiosis vaccines at a meeting in Egypt and Spain in October.

Dr. James Denton has several items to report. **Denton** participated in a program planning meeting of the Institute of Food Technologists (IFT) Executive Committee in Washington, DC on October 7-8, regarding the 2003 IFT-International Food Safety and Quality Conference.

Denton participated in the FSC Steering Committee meeting of the FSC during the FSC Annual Meeting at Kansas State University in Manhattan, Oct. 13-15. Suggested topic theme "Food Safety Research in Food Retailing" for the Food Safety Symposium of the 2003 Annual Meeting.

Denton presented a seminar regarding "National Food Safety Update" during the Arkansas Poultry Processors Workshop on Oct. 17.

Denton served as Chairman of the Food Safety Symposium for the U.S. Animal Health Association in St. Louis on Oct. 20.

Denton served on the National Advisory Committee for Meat and Poultry Inspection during the fall meeting conducted on Nov. 5-7, in Washington, D.C.

Dr. Annie Donoghue, Dr. Billy Hargis and **Dr. Lisa Newberry** visited four veterinary colleges in Mexico: the University of Michoacan in Morelia, the Universidad Autonoma de Zacatecas, National Autonomous University of Mexico in Mexico City (UNAM) and the University of the State of Mexico in Toluca Sept. 22-27 in conjunction with two programs. They met with over 30 faculty and approximately 400 who were enthusiastic with regard to educational and research opportunities.

Donoghue also hosted the S-285 Regional Project meeting "Reproductive Performance in Turkeys" in San Diego, Nov. 7-8.

Dan Donoghue was an invited speaker at the Arkansas Nutritional Conference. His presentation was titled, "New Evidence that Specific Probiotics May Reduce Intestinal Foodborne Pathogen Colonization and Improve Bird Performance." The paper was co-authored by **Annie Donoghue, Guillermo Tellez** and **Billy Hargis**.

Dr. John Marcy gave a briefing on the National Alliance for Food Safety at the U.S. Army Soldier Center in Natick, MA. He then participated in the National Academy of Science committee reviewing performance standard at Woods Hole, MA. This committee completed meetings at the end of September with the final report to be made public in April 2003.

Marcy gave an invited presentation on the use of GMP's to control Foreign Material Contamination at the USDA FSIS National Meeting in Omaha.

The Division of Agriculture and FMC FoodTech co-sponsored a two-day workshop conducted by **John Marcy** and **Rong Murphy** at the U of A.

Marcy also conducted the 4-H Poultry Cooking Contest at the state fair in October. George's poultry and Cargill's turkey both donated product for the event.

John Marcy and **Jon Porter** (adjunct) conducted a GMP, SOP, HACCP workshop for industry. They were joined by Travis Selby from Purdue University and Roy Biggs, National Food Safety Manager for Tegel Foods in New Zealand.

Marcy worked with Joe Eifert and Christine Alvarado from Virginia Tech to conduct a HACCP workshop for the poultry industry in Harrisonburg, VA.

Marcy represented the poultry center at the 2002 CARTI Festival of Trees in Little Rock. Each year he has a booth at this event and, with volunteers, prepares crepes for people attending this fundraiser. CARTI is the only location in the state that provides radiation therapy for children.

Dr. Susan Watkins spoke at three Tyson Monett Complex Grower meetings. She was also invited to speak at the North Dakota Turkey Growers Associational meeting in Dec. **Watkins** recently served as the Sponsorship Chairperson and gave two presentations for the 2002 National Poultry Waste Management Symposium held in Birmingham.

Watkins also served as co-chair for the Human Relations Training recently sponsored by The Poultry Federation.

Watkins hosted a 10-week long course for industry, students and water quality technicians entitled "Managing Animal Resources for Environmental Quality."

Grants Awarded

These are listed in order of receipt rather than alphabetically.

Walter Bottje/ Ron Okimoto USDA CREES	\$135,000
Ann Donoghue USDA ARS	\$53,985
Billy Hargis USDA SBIR	\$20,000
Billy Hargis/ Lisa Newberry Con-Agra	\$11,900
Jason Emmert United Feeds	\$5,500
Billy Hargis US Dept. of Education	\$55,062
Billy Hargis Blue Water	\$1,500
Billy Hargis Cargill Turkey Products	\$21,836
Casey Owens USDA SBIR	\$5,062
Billy Hargis Oil-Dri	\$12,614
Ann Donoghue USDA ARS	\$51,727
Billy Hargis Pet Ag	\$18,000
Ron Okimoto Cobb-Vantress	\$24,488
Walter Bottje/ Neal Pumford Cobb-Vantress	\$31,742
Lisa Newberry/ Billy Hargis Cargill	\$21,420
Jason Emmert United Feeds	\$17,033
James Denton Fats & Protein Research Foundation, Inc.	\$2,500
Keith Bramwell State Research Incentive	\$10,000
Dan Donoghue State Research Incentive	\$10,000
Mark Parcels State Research Incentive	\$10,000