

ΦΤΣ

The Honor Society of Food Science and Technology

Phi Tau Sigma Newsletter *October 2020*

News:

Reminders to Fall Graduates:

- 1) Remember to send in your new contact information so we can update our records before your move. We do not want to lose you. Send to Executive Director, Dr. Kathryn L. Kotula klkotula@msn.com your new email address, alternate email address, postal address, company or school, and phone numbers.
- 2) October 25 is the deadline to order Phi Tau Sigma Honor Cords and lapel pins to ensure delivery before Fall graduation dates.



Nominations & Elections Committee:

(Contributed by Tom Aurand, Ph.D., Chair of the Nominations and Elections Committee)

It is that time of the year to nominate candidates for the 2021 Phi Tau Sigma Elections. The Nominations and Elections Committee has begun canvassing the membership for candidates to serve as the Phi Tau Sigma President-Elect and for Directors with terms beginning on September 1, 2021.

As one can imagine, the nomination and election process is a critical activity for the Society by electing officers that will provide the leadership that will ensure a viable future. The N&E Committee is asking the membership to help identify members that exhibit outstanding leadership skills to take the Society into the future. Any member can nominate an individual and self-nominations are welcomed and encouraged. Please submit names of Phi Tau Sigma members in good standing for consideration for President-Elect or Director positions to Committee Chair, Tom Aurand at tom.aurand@gmail.com. The Committee would like to have nominations by the end of October so the candidates can submit their bios and position statements before the deadline of December 15, 2020.

Awards Committee:

(Contributed by Charlwit Kulchaiyawat, Ph.D., Chair of the Phi Tau Sigma Awards Committee)

Dr. Daryl B. Lund Student International Travel Scholarship – Deadline November 30

The Dr. Daryl B. Lund Student International Travel Scholarship is presented annually to a student Member of Phi Tau Sigma - The Honor Society of Food Science and Technology, to supplement international travel for educational purposes. The scholarship, in the amount of \$2,000, is presented to honor the commitment of Dr. Lund, whose international reputation for outstanding scholarly contributions and inspired leadership has fostered and facilitated the global advancement of food science and technology.

Nominees shall be students who are members in good standing during the administrative year of the nomination, although they may have graduated by the presentation of the award.

Nomination materials must be submitted to the Chair of the Awards Committee by email by November 30th (charlwit.kulchaiyawat@fosterfarms.com), with a copy to the Executive Director (klkotula@msn.com). For more information on the nomination process please visit the Awards section of the Phi Tau Sigma website (<http://www.phitausigma.org/awards/>). For information specific to this scholarship, including the nomination form, please visit <http://www.phitausigma.org/lund-scholarship/>.

Phi Tau Sigma Awards Schedule:

- November 30:** Deadline to submit nominations to the Awards Committee for the Dr. Daryl B. Lund International Scholarship.
- February 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Special Recognition Award, the Phi Tau Sigma Student Achievement Scholarship, the Dr. Gideon "Guy" Livingston Scholarship, and the Phi Tau Sigma Founders' Scholarship.
- April 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Outstanding Chapter of the Year Award.

->December 18: Deadline to submit Nominations for the **Dr. Carl R. Fellers Award**, and other IFT Achievement Awards.

(More information: <http://www.ift.org/Membership/Awards-and-Recognition/Achievement-Awards.aspx>)

Program Committee:

(Contributed by Rodrigo Tarté, Ph.D., President Elect and Chair, Program Committee)

The Phi Tau Sigma Program Committee is seeking your input for our program for the IFT 2021 Annual Meeting. We are seeking your input on two fronts:

1. **Session and/or symposia topic ideas.** Are there any hot scientific topics you would like to see discussed? Is there innovative new research that should be highlighted? Please send us ideas for any topics that you think we should consider. If you would like to suggest potential speakers, please do (you may also volunteer yourself as a potential speaker).
2. **Session/symposia partnerships.** If you are active in the leadership of an IFT division, please consider assisting us in establishing partnerships to co-sponsor symposia or sessions.

For us, these partnerships help maximize our efforts by joining forces with other like-minded groups, and increase visibility for our Society. Our partners benefit from the additional publicity the sessions receive by being included in the Phi Tau Sigma monthly Newsletter.

If you are willing to help with either of the above, please contact Dr. Rodrigo Tarté at rtarte@iastate.edu by November 1.

Know your Leadership:

About Your Phi Tau Sigma Executive Committee:

Phi Tau Sigma President: **Martin Sancho-Madriz, Ph.D.**, is a Lifetime Member of Phi Tau Sigma and Professor in the Department of Nutrition and Food Science at Cal Poly Pomona, where he founded the local Phi Tau Sigma Chapter and now serves as Associate Vice President for Faculty Affairs. He earned a B.S./Licentiate degree in Food Technology from the University of Costa Rica, followed by M.S. and Ph.D. degrees in Food Science and Technology (FST) from Cornell University. Since being hired as the first and only FST tenure-track faculty member in 1997 and with his leadership as Chair of the Human Nutrition and Food Science Department, the Cal Poly B.S. in Food Science and Technology degree has grown to around 180 students, four tenure-track positions, a full lecturer position, and several part time lecturers. He is a graduate and Board member of the LEAD 21 leadership program as well as a Fellow of the Food Systems Leadership Institute, a program of the Association of Public and Land-Grant Universities. Dr. Sancho-Madriz was selected as the 2002-2003 IFT Congressional Science and Engineering Fellow under the American Association for the Advancement of Science Policy Fellowships Program. He has served in several IFT Committees including the Higher Education Review Board and chaired the Southern California Institute of Food Technologists Section (SCIFTS), and the Southern California Food Industry Conference. He is a recipient of the Don B. Huntley College of Agriculture Advisor of the Year Award and Teacher of the Year Award and received an SCIFTS Outstanding Volunteer Award and the 2018 SCIFTS Distinguished Achievement Award.

Phi Tau Sigma President Elect: **Rodrigo Tarté, Ph.D.**, a Lifetime Member of Phi Tau Sigma, is Assistant Professor of Meat Science in the Department of Animal Science at Iowa State University, where he also holds a courtesy appointment in the Department of Food Science and Human Nutrition. He holds a Ph.D. in Food Science and Technology and Meat Science, from Iowa State. He joined the ISU faculty in 2015 after nineteen years as a food research and product development scientist in the private sector, most of which was spent at Kraft Foods Inc./Oscar Mayer, the John Morrell Food Group (Smithfield Foods), and Rica Rondo S.A. (Colombia). At ISU he researches the development and application of innovative process and ingredient technologies to improve the sensory and nutritional quality, resource utilization, and safety of further processed meat products. He also teaches courses on introductory meat science and processed meats. He has served as Chair of the Phi Tau Sigma Membership & Qualifications Committee, Chair of the IFT Muscle Foods Division, and member of the Board of Directors of the American Meat Science Association (AMSA), and was the 2013 recipient of the AMSA Meat Processing Award. He currently serves on the editorial board of the journal *Meat Science*.

Phi Tau Sigma Past President: **Liz Boyle, Ph.D.**, is a Lifetime Member of Phi Tau Sigma and a Professor of Meat Science in the Department of Animal Sciences and Industry at Kansas State University. Liz received a B.S. in Wildlife Biology from the University of Minnesota, and a M.S. in Food Science and Nutrition and Ph.D. in Food Science with a Meats emphasis from Colorado State University, followed by post-doctoral studies at the University of Kentucky and the University of Minnesota. Her research and Extension activities have focused on meat safety and quality, and providing scientific and technical assistance to meat processors and trade associations. She has served as Chair of the Kansas State University Chapter of Phi Tau Sigma, Chair of the Muscle Foods Division and the Kansas City Section of the Institute of Food Technologists, Chair of the Reciprocal Meat Conference of the American Meat Science Association, National Academy of Science committee to evaluate scientific criteria to ensure safe food, and Council for Agricultural Science and Technology (CAST) Board of Directors. In 2016, she was recognized as a Fellow with the American Meat Science Association.

Phi Tau Sigma Treasurer: **Kantha Shelke, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, and is currently a Principal at Corvus Blue LLC, a contract food science and research firm. She holds Master's degrees in Organic Chemistry and in Food Science and Nutrition, and a Ph.D. in Cereal Chemistry and Technology. An IFT Food Science Communicator, Kantha is the technical editor of PLMA Live! (Private Label Manufacturers Association) and Prepared Foods magazine, holds adjunct/visiting professorship positions at the Johns Hopkins University in Baltimore and at the MCI Management Center in Innsbruck, Austria, and a member of the Faculty Advisory Boards of Food and Agriculture at McGill University (Montreal, Canada) and Southwest College of Naturopathic Medicine (Tempe, AZ). Her book "Pasta and Noodles: A Global History" was published in August 2016 by Reaktion Press, UK. She is passionate about advancing the understanding of food science, nutrition, food law, and culinary arts with science and sensibility.

Phi Tau Sigma Assistant Treasurer: **Daryl B. Lund, Ph.D.**, is a Lifetime Member of Phi Tau Sigma, Past President of IFT (1990-91) and Phi Tau Sigma (2006-07 and 2007-08). He was instrumental in revitalizing Phi Tau Sigma to recognize excellence in our profession. He served as Treasurer of Phi Tau Sigma (2009-2018). Recipient of many awards, Dr. Lund has received the Nicolas Appert Award for lifetime achievement from IFT (2009), the Phi Tau Sigma Special Recognition Award and the Lifetime Achievement Award from the International Congress of Engineering and Food (2011), the Lifetime Achievement Award from IUFoST (2016), and the CALS UW-Madison Distinguished Service Award (2016). He is emeritus professor of food science at the University of Wisconsin-Madison, a Past President of the International Academy of Food Science and Technology (2010-12), and past Editor in Chief of IFT's peer-reviewed journals (2003-2012).

Phi Tau Sigma Executive Director: **Kathryn L. Kotula, Ph.D.**, is the founder of *Investigative Food Sciences* in Storrs, Connecticut. She is a Lifetime Member of Phi Tau Sigma and has been Co-Editor, and now Editor, of the Phi Tau Sigma Newsletter since September 2010. Kathy is the recipient of the Achievement Award of the American Meat Science Association, the Dr. Carl R. Fellers Award of Phi Tau Sigma and IFT, and is a Fellow of IFT. She was the 2014 recipient of the Phi Tau Sigma Special Recognition Award.

Calendar:

->Phi Tau Sigma Scholarship and Awards Schedule:

- November 30:** Deadline to submit nominations to the Awards Committee for the Dr. Daryl B. Lund International Scholarship.
- February 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Special Recognition Award, the Phi Tau Sigma Student Achievement Scholarship, the Dr. Gideon "Guy" Livingston Scholarship, and the Phi Tau Sigma Founders' Scholarship.
- April 1: Deadline to submit nominations to the Awards Committee for the Phi Tau Sigma Outstanding Chapter of the Year Award.

Send completed nomination forms to both Awards Committee Chair Charlwit Kulchaiyawat, Ph.D. (charlwit.kulchaiyawat@fosterfarms.com) and Executive Director Kathryn L. Kotula, Ph.D. (klkotula@msn.com). (More information: <http://www.phitausigma.org/awards/>)

->December 9: Deadline to submit Nominations for the **Dr. Carl R. Fellers Award**, and other IFT Achievement Awards.

(More information: <https://www.ift.org/community/awards-and-recognition/achievement-awards>)

->Phi Tau Sigma Chapter Schedule:

- October 25:** Deadline to order Honor Cords and lapel pins to ensure delivery before Fall graduation dates
- March 15: Deadline for membership nominations to ensure decisions from the Membership and Qualifications Committee before the Annual Meeting
- April 1: Deadline to order Honor Cords and lapel pins to ensure delivery before Spring graduation dates
- May 1: First call for Chapter annual reports
- June 1: Second call for Chapter annual reports
- July 1: Final call for Chapter annual reports
- August 1: Deadline for Chapter annual reports

Reminder to all Chapters: In order to receive the *Certificate of Merit* or *Certificate of Excellence*, Chapters must submit their annual reports for evaluation by **August 1**. Please send your annual report to the current Chair of the Chapter Affairs Committee, Terri Boylston, Ph.D., (tboylsto@iastate.edu), with a copy to Dr. Kathryn L. Kotula (klkotula@msn.com).

->Election schedule:

- December 15:** Nominations due to Nomination and Election Committee (Tom Aurand, Ph.D., Chair, tom.aurand@gmail.com)
- January 2: Nominations and Elections Committee convenes
- January 21: Deadline for Nomination and Elections Committee to submit slate of candidates to President
- February 5: Last date on which nominations by petition may be submitted
- March 2: List of candidates will be emailed to the Members for balloting
- March 30: Deadline for casting ballots
- April 8: Deadline for tabulation of ballots
- May: Newly elected individuals announced to the Membership in the May Phi Tau Sigma Newsletter

->July 18-21, 2021, Institute of Food Technologists Annual Meeting, Chicago, IL:
(times tentative, and presumes an in-person meeting)

July 18 (Sunday):

11:00am-12:15pm	Phi Tau Sigma Executive Committee Meeting
12:15pm-1:30pm	Lunch Break
1:30pm-2:30pm	Phi Tau Sigma Leadership Council Meeting and Annual Business Meeting
12:30pm-1pm	Student Competition Poster Set-up
1:00pm-2:30pm	Student Poster Competition Judging
6:00pm-7:00pm	IFT Awards Celebration, includes the presentation of the Dr. Carl R. Fellers, Ph.D. Award sponsored by Phi Tau Sigma (Meet the Award winners at the IFT Networking Reception immediately following.)

July 19 (Monday):

12 noon-1:30pm	Phi Tau Sigma and IFT Division Competition Awards Ceremony
----------------	--

Student Research Synopsis: [YOUR RESEARCH HERE]

(Contributed by Claire Zoellner, Ph.D., Associate Newsletter Editor)

- - Calling all student researchers to share your research in the Newsletter! - -

As the purpose of our Honor Society includes recognition of professional achievements, encouragement of the application of scientific principles to food science and technology and the establishment of a professional network, the monthly Newsletter serves to connect all members under this mission. The Newsletter always includes information from Leadership and Committees regarding news, important dates and upcoming events. Some of the special features of the Newsletter include Careers, Lifetime Member Tribute, Chapter News, History and others to highlight our colleagues. The **Student Research** feature article is a great opportunity to strengthen the connection between students and the professional field, while highlighting achievements of our members. All B.S., M.S. and Ph.D. research related to the field of food science and technology is welcomed and encouraged. Please find submission information below and spread the word to respective Chapter members.

Instructions for Preparation of Articles:

1. The contributing student must be a Phi Tau Sigma Member in good standing (having paid their dues) working towards a degree in food science or related field.
2. Research must be written in clear and correct English and may be sent to Claire Zoellner (cez23@cornell.edu).
3. Articles should include all authors and should be approved by all authors.
4. The article should be limited to 1-1.5 pages (Verdana 10 font) and include citations for any references mentioned.
5. Synopses must report original research based on accepted scientific practices. Research that has been published in peer reviewed journals is acceptable and preferred.
6. A figure or table and photo of the author(s) are encouraged.
7. The synopsis should include the following:

Title, authors and affiliations

Journal reference (if applicable)

Introduction: background, problem statement, justification for study

Purpose: objectives and/or hypothesis of study

Methods: statement of methods used, specific enough to understand the design, approach and analysis

Results: describe the results obtained in the study with statistical analysis (if appropriate) and (1) table or graphic

Significance: state/discuss the significance and potential uses of findings

References: list of references cited

Lifetime Member Tribute: David K. Park, B.S.

Principal, Food-Defense, LLC

Why did you become a Lifetime Member?

I became a Lifetime Member of Phi Tau Sigma because I believe in its' long-standing tradition and purpose. I now reflect upon my completion of a nearly 49-year professional career using my food science & technology education, knowledge and experience to help to protect our public health. I am confident that membership in Phi Tau Sigma helped to advance my career and expand my professional network. I am honored to be a member among such a distinguished organization of esteemed professionals from academia, industry and government along with accomplished and inspiring student members. It is only fitting that I give back by investing in my Lifetime Membership as an expression of appreciation for my educational opportunity and career fulfillment. Each time one of us chooses to become a Phi Tau Sigma Lifetime Member, we are helping to ensure that our profession attracts and promotes our *best and brightest* food scientists so that we may safely and abundantly feed the world. What other professional endeavor could be more fulfilling and worthwhile?



Education: B.S Agriculture (Food Science), Purdue University, 1972

Experience/Accomplishments:

- Co-developed the first FDA & USDA regulatory-accepted automated PC- process control system (JBT Log-Tec™) for commercial thermal pasteurization and sterilization of canned foods
- Key in the technical development, application and 1985 commercial launch of NumeriCAL™, finite difference thermal process evaluation software
- Co-founded the Institute of Thermal Processing Specialists (IFTPS)
- Principal industry investigator in FDA and USDA- involved international public health canned food spoilage events
- Co-developed a food defense risk assessment, risk reduction and incident response software tool suite for use in the food and agriculture industry
- Argonne National Laboratory Special-term Food Defense Appointment, Infrastructure Assurance Center (IAC) (2004-2009)
- FSPCA FSMA Preventive Controls for Human Food Lead Instructor (2016)
- Food Protection and Defense Institute (FPDI)-Appointed Adjunct Expert (2016)

Areas of Expertise:

- USFDA, USDA-FSIS and CFIA-recognized Process Authority for Acidified, Low-acid Shelf Stable and Extended Shelf Life Foods and Food Safety Specialist
- Food Defense Subject Matter Expert
- FDA and USDA Human Foods Regulatory Specialist

Awards and Honors (selected list):

- U.S. Dept. of the Army; Washington D.C., Patriotic Civilian Service Award (1990)
- Research and Development for Military Food and Packaging Systems, Inc. San Antonio TX, Chairman of the Board (1990-1991)
- National Association of Food Equipment Manufacturers (NAFEM); Dallas TX, Honorary Doctorate of Food Service (1989)
- Phi Tau Sigma Food Science Honorary Lifetime Member (2016)
- Institute of Thermal Processing Specialists (IFTPS); Guelph, Ontario, Canada Charter Member, Board of Directors (2005-2008)
- Institute of Food Technologists (IFT) Nominations & Elections Committee (2005-2008)
- Institute of Food Technologists (IFT) "Distinguished Lecturer" (2005-2008)
- Purdue University Outstanding Food Science Alumni Award (2007)

Personal: Family, Interests, Hobbies:

- Married 48 years to loving wife Carolyn, 3 accomplished daughters and 5 beautiful grand children
- Music Appreciation, Playing Guitar, Trumpet and Church Musician
- Community "Feeding the Hungry" Volunteer

Advice to university students and career food scientists and technologists:

While the beginning of 2020 has dealt a blow to all of us in society and our food science community, our diverse and complex food industry will emerge with more resilience than ever. If currently employed, looking for employment or just beginning your professional career, look for many doors to open during your food science career. As students and professionals, your education, experiences and critical thinking skills are needed more than ever. You will have the opportunity to customize your educational and institutional specializations that you choose to pursue that maximize your personal goals and interests. Organizations need what you, and Phi Tau Sigma recognition, offer. Believe in your abilities to communicate and contribute with the passions that you possess. Great personal and professional fulfillment and reward will result by your efforts.

Careers: Food Safety Careers at USDA

(Contributed by Dr. Mindy Brashears, *USDA Under Secretary for Food Safety*)

Introduction/Background:

It's an exciting time to be a student studying food safety! There are so many career paths available to you that can take you to places you never thought possible. I never imagined that my career in food safety would take me from being a cooperative extension specialist at the University of Nebraska to a food safety professor at Texas Tech to being Under Secretary for Food Safety at the U.S. Department of Agriculture (USDA).



The Under Secretary for Food Safety is a subcabinet position responsible for the oversight of policies and programs of the Food Safety and Inspection Service (FSIS), the USDA's public health agency. On any given day, I could be attending subcabinet meetings with Agriculture Secretary Perdue, being briefed on ongoing science and research taking place within FSIS, or meeting with stakeholders or Members of Congress. The issues that come across my desk vary widely and range from those I'm very familiar with, such as food safety interventions for *E. coli* O157:H7, to those I had never encountered before, such as collaborating with large companies on consumer education. I'm surrounded by a great team of scientific experts at FSIS and I've truly enjoyed working with them and learning about a range of issues.

There are plenty of great opportunities for students with backgrounds in agriculture and food science. I urge you to consider some of the below career options with FSIS that play a critical role in protecting public health.

Positions, Duties, and Qualifications:

Public Health Veterinarian (PHV)

Responsibilities: PHVs are responsible for examining and determining the health of food animals. They also oversee inspection and ensure establishments meet Hazard Analysis and Critical Control Point (HACCP), ante-mortem, post-mortem, and processing regulations. PHVs are key to the enforcement of humane handling regulations. In-plant PHVs also provide supervision and leadership to other FSIS employees.

- DVM or VMD degree required.
- Recruitment and retention incentives available to all in-plant PHVs, and student loan repayment is available for a select number of PHVs.
- Scholarships are available through the competitive Malak scholarship program for veterinary students who commit to work for FSIS for a certain number of years.

Consumer Safety Inspector (CSI)

Responsibilities: CSIs are involved in the inspection of meat, poultry, and processed egg products and verifying that meat and poultry slaughter and/or processing establishments' Sanitation Standard Operating Procedures (SSOPs) and HACCP plans meet regulatory requirements and are being properly executed.

- May qualify based on a B.S. degree in STEM-related major, or another B.S. degree that includes at least 24 semester hours in any combination of closely related coursework.
- Creditable Service for Annual Leave Accrual for newly hired CSIs in difficult-to-staff areas; this allows for credit for prior related work experience for vacation accrual purposes.
- Continuing education program available after one year of service.

Food Inspector (FI)

Responsibilities: FIs work on the front lines of food safety verifying the safety of meat, poultry, and processed egg products and examining food animals in meat or poultry plants.

- May qualify with a B.S. degree or full 4-year course of study in any field leading to a bachelor's degree from an accredited college/university that includes at least 12 semester or 18 quarter hours in biology, mathematics, physical or agriculture sciences.
- Continuing education program available after one year of service.

Field Lab Services

Responsibilities: Lab scientists are responsible for a wide range of food safety activities that involve preventing foodborne pathogens from entering commerce, and performing food and residue chemistry, microbiology, and pathology.

- Positions include microbiologists, chemists, biological laboratory technicians, physical science technicians, and veterinary pathologists.

Enforcement, Investigation and Analysis Officers (EIAOs)

Responsibilities: EIAOs conduct onsite comprehensive and focused food safety assessment and other consumer protection verification activities. They focus on regulatory requirements regarding HACCP, SSOP, and other in-plant food safety issues and evaluate conditions affecting growth of microorganisms and statistical validity of plant sampling plans and monitoring procedures

- There is not a degree requirement. However, there are two ways an applicant can qualify:
 - A Bachelor's degree with 30 semester hours of appropriate education can qualify, or
 - 30 semester hours of education *plus* appropriate specialized experience combined can also qualify.
- To properly train the EIAO, FSIS offers an intense four-week classroom course in conjunction with the Texas Agriculture Experiment Station that covers a wide variety of topics, many of which are delivered by subject matter experts from outside FSIS.

Salaries: Salaries will vary based on position, location, grade, and step level according to the Federal Government's [General Schedule](#).

Benefits: Federal employees have access to a range of benefits including health insurance, dental and vision insurance, life insurance, and long-term care insurance. More information on benefits can be found on the www.USAJOBS.gov website. FSIS employees may also have access to additional [benefits and incentives](#).

Conclusion: As an employee of one of the largest public health regulatory agencies in the U.S. Government, you can have the satisfaction of protecting the public and find opportunities for professional development and career advancement. Start your career with FSIS by visiting <https://www.fsis.usda.gov/wps/portal/fsis/topics/careers>.

Member News:

Congratulations to **Deidrea Mabry, M.S.**, Chief Operating Office of the American Meat Science Association who is the recipient of the **2020 AMSA Special Recognition Award** that was presented during the 2020 International Congress of Meat Science and Technology and the AMSA Reciprocal Meat Conference Virtual meeting on August 6, 2020. The AMSA Special Recognition Award was established to honor an individual for truly significant, exceptional, and lasting service to either the AMSA or the meat industry.

Deidrea has given selflessly for the past 12 years to AMSA and is recognized globally as one of the leaders of this



organization. She is a fantastic resource for all AMSA members. Her attitude of service and accommodation, while serving the mission of AMSA is unwavering. She is relentlessly positive with an incredible work ethic and attention to detail. She is an exemplary example of a life-long learner, and she applies that learning to serve AMSA. Deidrea is hard-working, smart, and fierce. Her colleagues and meat scientists across the globe notice her spirit of service and enjoy the opportunities to interact. In her 'spare time', Deidrea and her husband Casey coach and mentor 4-H kids in meat judging as well as actively participating in showing goats and pigs with their family, Avery, Reyse, and Brooklyn. Congratulations Deidrea!



Anthony W. Kotula, Ph.D., a Lifetime Member of Phi Tau Sigma, has been selected by the previous Hall of Fame inductees and the Meat Industry to be inducted to the 2020 class of the **Meat Industry Hall of Fame**. Dr. Kotula is only the third career USDA employee inducted into the Meat Industry Hall of Fame, and the only one from the Agricultural Research Service.

Dr. Kotula served in the Agricultural Research Service of USDA in Beltsville, MD for 38 years to seek solutions that improved the quality and safety of meat and poultry. He formed the "Meat Science Research Laboratory" and they provided research results that became Standards for Quality and Yield Grades of beef, and standards for other animals, the thermal death curves (heat and cold) for parasites *Trichinella spiralis* and *Toxoplasma gondii*, the nutrient composition of meat species for the USDA Handbook No. 8, methods to control microorganisms, including the research that enables the use of chlorinated water on carcasses in plants, and operational changes in poultry and meat facilities resulting in changes in the Code of Federal Regulations. Dr. Kotula emphasized research with Impact – Practical applications. In other words, original research, carefully selected, to solve vexing problems of the industry.

Dr. Kotula is a graduate of the University of Massachusetts, B.S. (1951) and M.S. (1954), and the University of Maryland, Ph.D. (1965), and was a First Lieutenant in the U.S. Air Force serving as the Squadron Supply Officer of the 15th Tactical Reconnaissance Squadron, stationed at Kimpo Air Base in South Korea during the Korean War (between his B.S. and M.S.).

Dr. Kotula credits his successful career path to his M.S. advisor Dr. Carl R. Fellers who taught him to do research of interest to the food industry, and made the introduction which led to Tony's career. Tony is very thankful for the support and encouragement of his wife, Joan, of 57½ years, the high quality and dedication of the scientists in his laboratory, the support of upper echelons, and the cooperation of the poultry and meat industries.

For more information about the Meat Industry Hall of Fame, go to:
www.meatindustryhalloffame.org

In Memoriam: David K. Park, B.S.

(Written by Scott and Lee Cabes of TechniCAL, Inc.)

David K. Park passed away on September 6, 2020.

Dave's 48-year career was devoted exclusively to food safety where he was widely recognized by his peers as an expert authority and professional mentor to many. After graduating with a degree in Food Science from Purdue University in 1972, he was hired as the Process Engineering Head at the National Canners Association in Washington D.C. He was then hired as Vice President of TechniCAL, Inc in 1980 and relocated to New Orleans, Louisiana. There he served as a Processing Authority to the international canned foods industry. Dave then moved to the FMC Corporation in 1994 as the Technical Manager of their Process Technologies Laboratory in Madera, California, eventually being named a Technical Fellow. In 2001, Dave started Food Defense LLC in Philomont, Virginia, an independent food defense risk management consulting services company. He also served as a Sr. Consultant for EAS Consulting Group and Program Manager of Food Protection for ThoughtQuest LLC.



Dave was a founding member of the Institute of Thermal Processing Specialists, a professional member of the Institute of Food Technologists, a recipient of the US Department of Army Patriotic Civilian Service Award, and was honored with the Purdue University Outstanding Food Science Alumni Award. Over the past 48 years, Dave was instrumental in developing high-level software and control system technology, and was a key contributor to the food safety regulations that are still used today in the canned foods industry. In addition to being recognized as an expert, Dave was also an excellent teacher and speaker, participating in countless food safety training courses and presentations to industry and regulators around the world. Those who worked with Dave throughout his career describe him as inspirational, generous, kind, approachable, legendary, extremely knowledgeable, and a great friend to all.

Phi Tau Sigma addition: (contributed by the Editor)

Dave was a huge supporter of Phi Tau Sigma. He was a Lifetime Member, served on committees as Chair repeatedly, was a strong source of sound concepts during the Society's monthly conference calls, and was a loyal supporter of Phi Tau Sigma scholarships. Dave is already greatly missed.

Dues Reminder:

Your dues status is listed in the cover email of this Newsletter. If you have not already paid your dues, Phi Tau Sigma Member dues are \$40 per year, but students get a discount so their dues are \$20 per year. Lifetime Membership is \$400 (just once). Please access the Phi Tau Sigma Membership Dues Page at: <http://www.phitausigma.org/membership-dues/>. Proceed on to pay by PayPal. Once you are successful with your PayPal payment, you will receive a receipt. If you do not receive a receipt, please try again.

Dues can also be paid by check payable to **Phi Tau Sigma**, (made with U.S. Funds and drawn on a U.S. Bank). (Do not send a money order.) Do **not** write the check to Kantha. Mail your check to: **Kantha Shelke, Ph.D.** (Do **not** address to Phi Tau Sigma.)
33 West Ontario, Suite 57F, Chicago, IL 60654.

Send an email to Kantha to let her know to expect your check (kantha@corvusblue.net).

You are welcome at any time to give a donation to the Dr. Carl R. Fellers Award Fund, the Dr. Gideon "Guy" Livingston Scholarship Fund, Phi Tau Sigma Student Achievement Awards Fund, Phi Tau Sigma Special Recognition Award Fund, Dr. Daryl B. Lund International Scholarship Fund, Phi Tau Sigma Founders' Scholarship, Phi Tau Sigma Chapter of the Year Award, the Program Fund, or the General Fund. <http://www.phitausigma.org/donate/>

We also ask each Chapter to send a list of their current, and lapsed, members along with contact information to the Chapter Affairs Committee Chair, Terri Boylston, Ph.D. at: clairekoelschsand@gmail.com, to help ensure our records are accurate.

Phi Tau Sigma Store:

Phi Tau Sigma has an online store. Items featured include Honor Cords, Official Lapel Pins, Banners (podium and wall/table), Annual and Lifetime Member dues, printed Certificates of Membership, and an opportunity to make tax deductible donations to Phi Tau Sigma. The Society Store can be found by going to www.phitausigma.org/store.

Support Phi Tau Sigma through AmazonSmile:



If you shop at Amazon, please register Phi Tau Sigma as your charity through AmazonSmile. The AmazonSmile Foundation will then donate 0.5% of the purchase price of eligible products to Phi Tau Sigma. This may not sound like a lot, but it adds up. Be sure to enter Amazon through AmazonSmile every time you shop (<https://smile.amazon.com/>).
Thank you!

Editorial:

And, continuing with last month's photos of our other Phi Tau Sigma Scholarship and Award honorees:

**Dr. Carl Winter, the 2020
Dr. Carl R. Fellers Award honoree**



The Phi Tau Sigma Scholarship and Awards Nomination Season is starting!

Deadlines:

November 30:

Dr. Daryl B. Lund International Scholarship
February 1:

Phi Tau Sigma Special Recognition Award,
Phi Tau Sigma Student Achievement
Scholarship,

Dr. Gideon "Guy" Livingston Scholarship,
Phi Tau Sigma Founders' Scholarship.

April 1: Phi Tau Sigma Outstanding Chapter
of the Year Award.

About Phi Tau Sigma Communications:

The Phi Tau Sigma Newsletter Committee includes: Kathryn Kotula, Ph.D., Editor-in-Chief, Chair (klkotula@msn.com), Claire Zoellner, Ph.D., Associate Editor (cez23@cornell.edu), Anthony W. Kotula, Ph.D., Hossein Daryaei, Ph.D., Tianxi Yang, Ph.D., Laura Stawn, Ph.D., Diane Schmitt, Ph.D., Gabriela John Swamy, Ph.D., Jennifer Fideler M.S. (Ph.D. Candidate), Tiantian Lin, Ph.D.

Please be responsive to their inquiries for information for the Newsletter.

The Newsletter Committee particularly wishes to share news from Phi Tau Sigma Members and Chapters. Any items for the monthly Phi Tau Sigma Newsletter should be emailed in Word to Editor Kathryn L. Kotula, Ph.D. at klkotula@msn.com or Associate Newsletter Editor Claire Zoellner, Ph.D. at cez23@cornell.edu. Write "Phi Tau Sigma Newsletter" in the subject line. Please provide the information by the 1st of the month. Thanks.

Documents:

Phi Tau Sigma Documents can be found on our website at: www.phitausigma.org.

Phi Tau Sigma Membership Nominations

<http://www.phitausigma.org/membership-nomination-2020-pdf-2/>

<http://www.phitausigma.org/membership-nomination-2020-doc/>

Phi Tau Sigma Scholarships and Awards Forms

<http://www.phitausigma.org/awards/>

Phi Tau Sigma Constitution and By-Laws
<http://www.phitausigma.org/constitution/>
<http://www.phitausigma.org/bylaws/>

Phi Tau Sigma Mentorship Program
<http://www.phitausigma.org/mentorship/>

Every Member Get A Member Campaign
<http://www.phitausigma.org/growing/>

Donors, Sponsors, and Contributing Partners:

Phi Tau Sigma accepts donations and has a variety of available sponsorship opportunities.

Phi Tau Sigma is a non-profit 501(c)(3) charitable organization, so your contributions are tax deductible to the extent provided by U.S. law.

Donations and sponsorships may come from, but are not limited to, Corporations, Companies, Universities, Government agencies, Associations, Consultants, and individuals.

Contributions are appreciated in any amount, and can be made by way of the Phi Tau Sigma website (<http://www.phitausigma.org/sponsor/>). Donations by check can be made by contacting: Treasurer Kantha Shelke, Ph.D. (kantha@corvusblue.net), 33 West Ontario, Suite 57F, Chicago, IL 60654. Please write "Donation" or "Sponsorship" in the subject line. Contributions of \$500 or more will be recognized publicly by the Society at the annual meeting, on the Phi Tau Sigma website, in printed material associated with relevant programs and events, and in the monthly Phi Tau Sigma Newsletter. Sponsorships of awards and scholarships are also available at levels of contribution sufficient to cover the associated cost of the award or scholarship. Endowments are also accepted.

Sponsorship opportunities are available for the Phi Tau Sigma Annual Recognition Event, Phi Tau Sigma Special Recognition Award, Phi Tau Sigma Student Achievement Award (up to 3 will be awarded), the Dr. Gideon "Guy" Livingston Scholarship Fund, the Phi Tau Sigma Founders' Scholarship, the Dr. Daryl B. Lund International Scholarship Fund, and the Phi Tau Sigma Outstanding Chapter of the Year Award. Donations can be made towards the awards and scholarships listed above, as well as the Program fund and the General fund. There are also endowment opportunities for student scholarships named for the sponsoring company.

Phi Tau Sigma has a **Contributing Partners Program** with five levels of sponsorships as described below. The Contributing Partner receives all of the benefits in the previous levels, plus the addition of the benefit listed for that level.

Bronze (\$5,000)

- Company listing in the "Donors and Sponsors" section of the Phi Tau Sigma Newsletter.
- Recognition with company name on www.PhiTauSigma.org
- Prominent recognition at all major Phi Tau Sigma events

Silver (\$10,000)

- Bronze benefits.
- Posting your company's job openings and internships in the Phi Tau Sigma Newsletter.

Gold (\$15,000)

- Silver benefits.
- Acknowledgement of sponsorship and placement of corporate logo on plaque or scholarship/award memorabilia.

Platinum (\$20,000)

- Gold benefits.
- A press release associated with significant contributions, distributed to allied professional and trade associations for circulation to their membership via their publications, e-news and/or listservs.
- Complimentary access to student resume database.

Diamond (\$25,000)

- Platinum benefits.
- Prominent multi-year listing on the Phi Tau Sigma website as a sponsor of an Endowed Program.

Some corporations will match individual contributions of their employees, so check with your company about matching funds.

For more information contact the Treasurer, Kantha Shelke, Ph.D.

(kantha@corvusblue.net), or the Executive Director, Kathryn L. Kotula, Ph.D.

(klkotula@msn.com). Please write "Donation" or "Sponsorship" in the subject line.

2020-2021 Sponsors and Donors:

Dr. Catherine Adams Hutt and **Peter Barton Hutt**, Phi Tau Sigma Lifetime Members. Catherine is food safety and regulatory consultant and expert witness with RdR Solutions, and Peter is an attorney with Covington and Burling. Both are IFT Fellows. (Donation for the Dr. Gideon "Guy" Livingston Scholarship)

Dr. Daryl and Mrs. Dawn Lund. Dr. Lund is past President of Phi Tau Sigma, Lifetime Member, past Treasurer, current Assistant Treasurer, and an Emeritus Professor, University of Wisconsin-Madison. (Sponsorship of the Dr. Daryl B. Lund Student International Travel Scholarship.)

David K. Park, B.S., Phi Tau Sigma Lifetime Member, is Principal, Food-Defense, LLC, providing expert food safety / food defense, USFDA and USDA-FSIS Process Authority technical and regulatory consultation for thermal and non-thermally processed low acid canned foods (LACF), acidified foods (AF), and refrigerated extended shelf life foods (ESL) and their packaging systems. (Donation towards a Phi Tau Sigma Student Achievement Scholarship.)

Dr. Fergus Clydesdale, a Lifetime Member of Phi Tau Sigma, is the Distinguished Professor and Director of the UMass Food Science Policy Alliance, University of Massachusetts Amherst and a member of Phi Tau Sigma since the 1960's.

William Benjy Mikel, Ph.D., a Phi Tau Sigma past President and a Lifetime Member who appreciates the field of food science and technology. (Donation towards a Phi Tau Sigma Student Achievement Scholarship.)

Dr. Rakesh K. Singh is a Past President of Phi Tau Sigma, a Lifetime Member; and is Professor and Head of Department of Food Science & Technology at the University of Georgia. He is also a Fellow of IFT, Fellow of IAFoST, Fellow of National Academy of Agricultural Sciences of India, and Editor-in-Chief of LWT – Food Science and Technology. (Sponsorship of a Phi Tau Sigma Student Achievement Scholarship.)

Dr. Mary K. Schmidl is the President of the International Union of Food Science and Technology (IUFoST), a Lifetime Member and a past President of Phi Tau Sigma, a Past President of the Institute of Food Technologists (IFT) and Adjunct Professor, University of Minnesota.

Dr. Theodore P. Labuza is a Lifetime Member of Phi Tau Sigma, a Past President of the Institute of Food Technologists (IFT) and the Morse Alumni Distinguished Teaching Professor of Food Science and Engineering, University of Minnesota.

Peter M Salmon, M.S., MBA, a Lifetime Member of Phi Tau Sigma, is the Founder and President of International Food Network, Inc., currently retired. (Donation towards a Phi Tau Sigma Student Achievement Scholarship.)

Corvus Blue LLC is a Chicago-based contract food science and research firm retained by food, dietary supplement, and allied enterprises to expedite new product development and commercialization and pave the path for rapid market realization with competitive intelligence and food science communication. The firm works with startups and established entities at the intersection of science and business to maximize opportunity and minimize risk.