

## RESUME

**Charles A. DeYoung**

### EDUCATION

Ph.D., Colorado State University, Dissertation: "Deer range appraisal based on vegetation structure"

M.S., Texas A&I University, Thesis: "Telemetric techniques for the study of white-tailed deer behavior"

B.S., Wildlife Science, Texas A&M University

A.A., Victoria College

### POSITIONS HELD (Texas A&M University-Kingsville/ Texas A&M University System)

#### Faculty:

01/74 – 08/78 Assistant Professor of Range and Wildlife Management

09/78 – 05/84 Associate Professor of Range and Wildlife Management

06/84 – 12/00 Professor of Range and Wildlife Management

09/01 – present, Professor Emeritus

02/01 – 09/06 Research Scientist and Stuart W. Stedman Endowed Chair in White-tailed Deer Research

09/06 – present, Professor Emeritus and Research Scientist, Caesar Kleberg Wildlife Research Institute

#### Administrative:

10/79 – 06/84 Dean, College of Agriculture

01/81 – 12/83 Founding Director, Caesar Kleberg Wildlife Research Institute

09/91 – 12/00 Dean, College of Agriculture and Human Sciences

08/95 – 07/96 Interim Director, Caesar Kleberg Wildlife Research Institute

04/95 – 12/00 Assistant Vice Chancellor for Agriculture and Life Sciences, Agriculture Program, Texas A&M University System

### WILDLIFE SOCIETY SERVICE

#### National/International:

Member since 1969

Associate Editor, Journal of Wildlife Management, 1990-1991

Habitat on Private Lands Committee (member)  
 Conservation Awards Committee (member)  
 Leopold Award Committee (member)  
 Shooting Preserves Committee (member)  
 Caesar Kleberg Award Committee (member)  
 Honorary Membership and Special Awards Committee (member)  
 Wildlife Restoration Awards Committee (member)  
 Frequent reviewer for Journal of Wildlife Management, Wildlife Society Bulletin,  
 Wildlife Monographs

### **Southwest Section:**

President elect  
 President  
 Past President

### **Southeast Section:**

Deer Committee (member)  
 Regular contributor to Southeast Deer Study Group

### **Texas Chapter:**

Nominating Committee (member twice, chair once)  
 Auditing Committee (chair)  
 Program Committee (member, chair)  
 Outstanding Publication Committee (chair, member)  
 Lifetime Membership Committee (member)  
 Membership Committee (member)

### **MORE PROFESSIONAL SERVICE**

International Science and Education Council, research committee member, missions to Nigeria, Virgin Islands, Trinidad and Tobago, others

Texas Parks and Wildlife Department

Research Review Committee (member)  
 Committee on Special Deer Permits (member)  
 White-tailed Deer Advisory Committee (member)

State-wide Agriculture Committee, The Agriculture Program, The Texas A&M University System

Agriculture Consortium of Texas (nine universities)  
 Member, President elect, President

## HONORS

Distinguished Faculty Researcher, Texas A&I University

Outstanding Achievement Award for sustained contributions to the science of wildlife management and its application in Texas, Texas Chapter, The Wildlife Society

Commendation from Affirmative Action Office for minority faculty hiring, Texas A&M University-Kingsville

Certificate of Appreciation as Founder, Kika de la Garza Plant Materials Center

Mentor of the Year, Texas A&M University-Kingsville

Vice Chancellor's Award for Excellence in System Academic Partnerships (with Nova Silvy, Robert Brown, Janice Crenshaw, Tim Fulbright, and Eva DeLeon)

Professor Emeritus, Texas A&M University-Kingsville

Deer Management Career Achievement Award for outstanding contributions to white-tailed deer management in the Southeastern United States, the Deer Committee of The Southeastern Section of The Wildlife Society

Caesar Kleberg Medallion, 25<sup>th</sup> Anniversary of the Caesar Kleberg Wildlife Research Institute, Caesar Kleberg Foundation for Wildlife Conservation

Stuart W. Stedman Endowed Chair in White-tailed Deer Research

Honorary Membership, The Wildlife Society

Harvey Weil Conservationist of the Year, Professional Category

Joe Hamilton Lifetime Achievement Award, Quality Deer Management Association

Honorary Membership, Texas Chapter, The Wildlife Society

Caesar Kleberg Award Excellence in Applied Wildlife Research, The Wildlife Society

## PROFESSIONAL PUBLICATIONS

DeYoung, C. A., T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger. 2019. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.

- DeYoung, C. A., T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger. 2019. Study areas, experimental design, and general methods for studying vegetation and white-tailed deer dynamics in Tamaulipan thornshrub. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- Gann, K. R., D. J. Folks, D. G. Hewitt, C. A. DeYoung, T. E. Fulbright, and D. A. Draeger. 2019. Deer density effects on white-tailed deer diets and foraging behavior under natural nutrition. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- Darr, R. L., K. M. Williamson, L. W. Garver, D. G. Hewitt, C. A. DeYoung, T. E. Fulbright, K. R. Gann, D. B. Wester, and D. A. Draeger. 2019. Effects of enhanced nutrition on white-tailed deer foraging behavior. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- Gann, W. J., T. E. Fulbright, D. G. Hewitt, C. A. DeYoung, E. D. Grahmann, D. B. Wester, B. L. Felts, L. M. Phillips, R. T. Gage, and D. A. Draeger. 2019. Vegetation response to white-tailed deer density and enhanced nutrition. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- Cook, N. S., R. N. Donohue, C. A. DeYoung, D. G. Hewitt, T. E. Fulbright, D. B. Wester, and D. A. Draeger. 2019. White-tailed deer population dynamics at different densities in Tamaulipan thornshrub as influenced by nutrition. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- DeYoung, C. A., D. G. Hewitt, T. E. Fulbright, D. B. Wester, and D. A. Draeger. 2019. Synthesis: Interactions of white-tailed deer populations and vegetation in South Texas at different deer densities and nutrition levels. Pages XX-XX in C. A. DeYoung, T. E. Fulbright, D. G. Hewitt, D. B. Wester, and D. A. Draeger, editors. Linking white-tailed deer density, nutrition, and vegetation in stochastic environment. *Wildlife Monographs In Press*.
- Zabransky, C.J., D.G. Hewitt, R.W. DeYoung, S. S. Gray, C. Richardson, A. R. Litt, and C. A. DeYoung. 2016. A detection probability model for aerial surveys of mule deer. *Journal of Wildlife Management* 80:1379-1389.
- Gann, W. J., T. E. Fulbright, E. D. Grahmann, D. G. Hewitt, C. A. DeYoung, D. B. Wester, B.

- A. Korzekwa, K. N. Echols, and D. A. Draeger. 2016. Does Supplemental feeding alter response of palatable shrubs to browsing by white-tailed deer? *Journal of Rangeland Ecology and Management*. 69:399-407.
- Crider, B., T. Fulbright, D. Hewitt, C.A. DeYoung E. Grahmann, W. Priestmeyer, D. Wester, K. Echols, and D. Draeger. 2015. Impacts of white-tailed deer population density on vegetation standing crop in a semi-arid environment. *Journal of Wildlife Management* . *In Press*.
- Folks, D.J., K. Gann, T.E. Fulbright, D.G. Hewitt, C. A. DeYoung, D.B. Wester, K.N. Echols, and D.A. Draeger. 2014. Drought but not population density influences dietary niche breadth in white-tailed deer in a semiarid environment. *Ecosphere In Press*.
- Donohue, R.N., D.G. Hewitt, T.E. Fulbright, C.A. DeYoung, A.R. Litt, and D.A. Draeger. 2013. Aggressive behavior of white-tailed deer at concentrated food sites as affected by population density. *Journal of Wildlife Management* 77:1401-1408.
- Moore, M.T., A.M. Foley, C.A. DeYoung, D.G. Hewitt, T.E. Fulbright and D.A. Draeger. 2014. Evaluation of population estimates of white-tailed deer from camera survey. *Journal of the Southeastern Association of Fish and Wildlife Agencies* 1:127-132.
- Kuvlesky, W.P., Jr., B.M. Ballard, L.A. Brennan, F.C. Bryant, T.A. Campbell, C.A. DeYoung, F. Hernandez, S.E. Henke, and D.G. Hewitt. 2013. Managing Populations. *In Wildlife Management: Contemporary Principles and Practices*, P.R. Krausman and J.W. Cain III, editors. John Hopkins University Press, Baltimore, MD.
- Priestmeyer, W.J., T.E. Fulbright, E.D. Grahmann, D.G. Hewitt, C.A. DeYoung, and D.A. Draeger. 2012. Does supplemental feeding of deer degrade vegetation? A literature review. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 66:107-113.
- Foley, A.M., R.W. DeYoung, S.D. Lukefahr, J.S. Lewis, D.G. Hewitt, M.W. Hellickson, D.A. Draeger, and C.A. DeYoung. 2012. Repeatability of antler characteristics in mature white-tailed deer in south Texas: consequences of environmental effects. *Journal of Mammalogy* 93:1149-1157.
- DeYoung, C.A. 2011. Population Dynamics. Pages 147-180 *in Biology and Management of White-tailed Deer*, D.G. Hewitt, editor. CRC Press, Boca Raton, FL.
- Jacobson, H.A., C.A. DeYoung, R.W. DeYoung, T.E. Fulbright, and D.G. Hewitt. 2011. Management on Private Property. Pages 453-480 *in Biology and Management of White-tailed Deer*, D.G. Hewitt, editor. CRC Press, Boca Raton, FL.
- Moseley, W.A., S.M. Cooper, D.G. Hewitt, T.E. Fulbright, and C.A. DeYoung. 2011. Effects of supplemental feeding and density of white-tailed deer on rodents. *Journal of Wildlife Management* 75:675-681.

- Timmons, G.R., D.G. Hewitt, C.A. DeYoung, T.E. Fulbright, and D.A. Draeger. 2010. Does supplemental feed increase selective foraging in a browsing ungulate? *Journal of Wildlife Management* 74:995-1002.
- Hellickson, M.W., K.V. Miller, R.L. Marchinton, C.A. DeYoung, and R.E. Hall. 2009. Behavioral responses of male white-tailed deer to antler rattling. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies* 63:7-9.
- Hellickson, M.W., K.V. Miller, C.A. DeYoung, R.L. Marchinton, S.W. Stedman, and R.E. Hall. 2008. Mass estimation of white-tailed deer in southern Texas. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 62:35-39.
- Hellickson, M.W., K.V. Miller, C.A. DeYoung, R.L. Marchinton, S.W. Stedman, and R.E. Hall. 2008. Physical characteristics for age estimation of male white-tailed deer in southern Texas. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 62:40-45.
- Hellickson, M.K., T.A. Campbell, K.V. Miller, R.L. Marchinton, and C.A. DeYoung. 2008. Seasonal ranges and site fidelity of adult male white-tailed deer in southern Texas. *Southwestern Naturalist* 53: 1-8.
- DeYoung, C.A., D.L. Drawe, T.E. Fulbright, D.G. Hewitt, S.W. Stedman, D.R. Synatzskie, and J.G. Teer. 2007. Density dependence in deer populations: relevance for management in variable environments, *in* T.E. Fulbright and D.G. Hewitt, editors, *Wildlife Science: Linking Ecological Theory and Management Applications*, CRC Press, Boca Raton, FL.
- Strickland, B.K., D.G. Hewitt, C.A. DeYoung, and R.L. Bingham. 2005. Digestible energy requirements for maintenance of body mass of white-tailed deer in southern Texas. *Journal of Mammalogy* 86: 56-60.
- DeYoung, C.A.. 1999. Basic deer population censusing. *Proceedings of a symposium, Deer Management 101*, Texas Agricultural Experiment Station. pp. 22-28.
- Hellickson, M.W., C.A. DeYoung, R.L. Marchington, and S.W. Stedman. 1999. Aging deer on the hoof. *Proceedings of a symposium, Deer Management 101*, Texas Agricultural Experiment Station. pp. 42-47.
- DeYoung, C.A. 1998. Case Studies: The Faith Ranch Herd. *Proceedings of a symposium on The Role of Genetics in White-tailed Deer Management*, Texas Agricultural Experiment Station. pp. 56-66.
- Hellickson, M.W., and C.A. DeYoung. 1997. Predicting white-tailed deer carrying capacity using grazeable biomass and tame deer. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies*. 51:238-249.

- Dinkines, W.C., R.L. Lochmiller, W.S. Bartush, C.A. DeYoung, C.W. Qualls, Jr., and R.W. Fulton. 1992. Cause-specific mortality of white-tailed deer as influenced by military training activities in southwestern Oklahoma. *Journal of Wildlife Diseases* 28: 391-399.
- Sullivan, J.B., C.A. DeYoung, S.L. Beasom, J.R. Heffelfinger, S.P. Coughlin, and M.W. Hellickson. 1991. Drive-netting deer: incidence of mortality. *Wildlife Society Bulletin* 19: 393-396.
- Guthery, F.S., C.A. DeYoung, F.C. Bryant, and D.L. Drawe. 1990. Using short duration grazing to accomplish wildlife habitat objectives. Pages 41-55 *in* K.E. Severson, editor. Can livestock be used as a tool to enhance wildlife habitat? USDA Forest Service General Technical Report RM-194. 123 pp.
- DeYoung, C.A. 1990. Inefficiency in trophy white-tailed deer harvest. *Wildlife Society Bulletin* 18: 7-12.
- Heffelfinger, J.R., S.L. Beasom, and C.A. DeYoung. 1990. The effects of intensive coyote control on post-rut mortality of male white-tailed deer.. Pages 35-45 *in* P.R. Krausman and N.S. Smith, editors. Proceedings of a symposium on managing wildlife in the Southwest. Arizona Chapter of The Wildlife Society, Tucson.
- Sullivan, J. B., C.A. DeYoung, S.L. Beasom, J. Heffelfinger, C. Coughlin, and M. Hellickson. 1990. Evaluating bias in the proportion of white-tailed deer fawns sighted from helicopters. Proceedings of the Southeastern Association of Fish and Wildlife Agencies 44: 202-205.
- Waechtler, D.G., and C.A. DeYoung. Evaluation of an electronic device for counting the calls of white-winged doves. *Texas Journal of Agriculture and Natural Resources*. 4:56-58.
- DeYoung, C.A., J.R. Heffelfinger, S.L. Beasom, and S.P. Coughlin. 1989. Classifying male white-tailed deer from a helicopter. Proceedings of the Southeastern Association of Fish and Wildlife Agencies. 43:292-296.
- DeYoung, C.A. 1989. Mortality of adult male white-tailed deer in south Texas. *Journal of Wildlife Management* 53:513-518.
- DeYoung, C.A. 1989. Aging live deer on southern ranges. *Journal of Wildlife Management* 53:519-523.
- DeYoung, C.A. 1989. Evaluation of bias in antler measurement records of harvested white-tailed deer on a south Texas ranch. *Texas Journal of Agriculture and Natural Resources* 3:24-25.
- Zaiglin, R.E., and C.A. DeYoung. 1989. Supplemental feeding of free-ranging deer in south Texas. *Texas Journal of Agriculture and Natural Resources* 3:39-41.

- DeYoung, C.A., F.S. Guthery, S.L. Beasom, S.P. Coughlin, and J.R. Heffelfinger. 1989. Improving estimates of abundance of white-tailed deer obtained from helicopter surveys. *Wildlife Society Bulletin* 17:275-279.
- DeYoung, C.A., A. Garza, Jr., and S. L. Beasom. Site preference by cattle under short duration and continuous grazing management. *Texas Journal of Agriculture and Natural Resources* 2:35-36.
- DeYoung, C.A. 1988. Comparison of net-gun and drive-net capture for white-tailed deer. *Wildlife Society Bulletin* 16:318-320.
- McCall, T.C., R.D. Brown, and C.A. DeYoung. 1988. Comparison of mortality of pen-raised and wild white-tailed deer bucks. *Wildlife Society Bulletin* 16:380-384.
- DeYoung, C.A., J.R. Heffelfinger, S.P. Coughlin, and S.L. Beasom. 1988. Accuracy of track counts as an estimator of white-tailed deer abundance. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies*. 42:464-469.
- Mansouri, A., and C.A. DeYoung. 1987. Feral hog fidelity to home range after exposure to supplemental feed. *Texas Journal of Agriculture and Natural Resources* 1:46-49.
- DeYoung, C.A., and S.L. Beasom. 1987. Improving economic returns from hunting. Pages 690-695 *in* L.S. Pope, editor, *Beef Cattle Science Handbook*, Volume 21, Spilman Press, Sacramento, CA.
- Leon, F.G. III, C.A. DeYoung, and S.L. Beasom. 1987. Bias in age and sex composition of white-tailed deer observed from helicopters. *Wildlife Society Bulletin* 15:426-429.
- Boydston, C.P., and C.A. DeYoung. 1987. Nesting success of white-tipped doves in south Texas. *Journal of Wildlife Management* 51:791-793.
- Boydston, C.P., and C.A. DeYoung. 1987. Movements of white-tipped doves in south Texas. *Southwestern Naturalist* 33:365-367.
- DeYoung, C.A., and J.C. Priebe. 1987. Comparison of methods for inventorying wild turkeys in south Texas. *Proceedings of the Annual Conference of the Southeastern Association of Fish and Wildlife Agencies* 41:294-298.
- Hyde, K.J., C.A. DeYoung, and A. Garza, Jr. 1987. Bed sites of white-tailed deer fawns. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies* 41:288-293.
- Kohl, T.F., C.A. DeYoung, and A. Garza, Jr. 1987. Effects of short duration grazing on white-tailed deer movements. *Proceedings of the Southeastern Association of Fish and Wildlife Agencies* 41:299-302.

- Fafarman, K.P., and C.A. DeYoung. 1986. Evaluation of spotlight counts of deer in south Texas. *Wildlife Society Bulletin* 14:180-185.
- DeYoung, C.A. 1985. Accuracy of helicopter surveys of deer in south Texas. *Wildlife Society Bulletin* 13:146-149.
- Boydston, C.P., and C.A. DeYoung. 1985. Distribution and relative abundance of white-tipped doves in south Texas. *Southwestern Naturalist* 30:567-571.
- Inglis, J.M., R.E. Hood, B.A. Brown, and C.A. DeYoung 1979. Home range of white-tailed deer in Texas Coastal Prairie brushland. *Journal of Mammalogy* 60:377-389.
- DeYoung, C.A. 1978. Possibilities of discerning behavior patterns of white-tailed deer through use of radio telemetry. *Proceedings of the First Welder Wildlife Foundation Symposium*. pp. 242-248.

### **GRANTS FOR WILDLIFE RESEARCH**

Caesar Kleberg Foundation for Wildlife Conservation	
1974-75	\$3,500
1975-76	24,850
1976-77	69,270
1977-78	15,000
1978-79	38,826
1981-82 (establish Caesar Kleberg Wildlife Research Institute)	3,700,000 <sup>a</sup>
1983 (for CKWRI)	1,500,000
1984-85	57,433
1985-86	68,713
1986-87	35,000
1987-88	31,200
1988-89	35,704
1989-90	38,912
1990-91	26,813
1995 (for CKWRI)	700,000
2000-01	9,000
State Faculty Research Fund	3,187
Welder Wildlife Foundation	
1976	5,640
1978	12,385
1990-91	24,000
1999	5,200
2000	13,850
2001	13,400
2002	8,800
Leyendecker Highway Contractors, Inc.	8,000

