

## **ROBERT W. GODFREY, Ph.D.**

### **Academic Address / Contact Information:**

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### **Education:**

- Texas A&M University, College Station - Ph.D., May 1987, Physiology of Reproduction
- Texas A&M University, College Station - M.S., Dec. 1982, Physiology of Reproduction
- Kansas State University, Manhattan - B.S., May 1980, Animal Science and Industry

### **Professional Experience:**

2011 - present Director, University of the Virgin Islands, Agricultural Experiment Station, (80% Administration-20% Research)

2010 - 2011 Acting Director, University of the Virgin Islands, Agricultural Experiment Station

2001 – 2011 Assistant Director, University of the Virgin Islands, Agricultural Experiment Station, (60% Research; 40% Administration)

2006 – present Professor - Animal Science, University of the Virgin Islands, Agricultural Experiment Station, (100% Research)

2006 – present Adjunct Faculty, Department of Animal and Dairy Sciences, Mississippi State University

1998 – 2006 Associate Professor - Animal Science, University of the Virgin Islands, Agricultural Experiment Station, (100% Research)

1993 - 1998 Assistant Professor - Animal Science, University of the Virgin Islands, Agricultural Experiment Station, (100% Research)

1992 - 1993 Research Associate, Texas A&M University, College of Veterinary Medicine, Department of Veterinary Anatomy and Public Health

1989 - 1991 Rhinoceros Research Coordinator, Cincinnati Zoo and Botanical Garden, Center for Reproduction of Endangered Wildlife

1987 - 1989 Post-Doctoral Research Affiliate, ARS Roman L. Hruska U.S. Meat Animal Research Center, Reproduction Research Unit

1981 - 1987 Graduate Research/Teaching Assistant, Texas A&M University Agricultural Research and Extension Center and Department of Animal Science, (M.S. and Ph.D.)

1978 - 1980 Student worker in Department of Animal Science and Industry, Kansas State University

### **Professional Organizations:**

American Society of Animal Science (ASAS) - 1980-Present  
American Society of Andrology - 1985-1988  
Society for the Study of Reproduction - 1986-2008  
International Embryo Transfer Society - 1989-1991  
American Association of Zoological Parks and Aquariums - 1989-1991  
American Association of Small Ruminant Practitioners – 2003-Present

Caribbean Food Crops Society – 1994 – present

**Service Assignments and Administrative Committees:**

- Ad hoc reviewer for Journal of Animal Science, Theriogenology, Animal Reproduction, Livestock Science, Domestic Animal Endocrinology, Tropical Animal Health and Production, Journal of Dairy Science, Small Ruminant Research, Sheep and Goat Research Journal, New Zealand Journal of Agriculture Research – 1998 - present
- Ad hoc reviewer for USDA SBIR grants, USDA BARD grants and University of Rhode Island College of the Environment and Life Sciences CARES proposals
- UVI Representative on administrative board for **USDA Tropical and Subtropical Agriculture Research (TSTAR)** grant program in Caribbean basin - 2001-2012
- Volunteer for **Land O'Lakes International Development Division** (USAID funded) in Nigeria for cattle and small ruminant workshops – 2001, 2002
- Volunteer for **Winrock International Farmer to Farmer Program** (USAID funded) in Bangladesh for small ruminant workshops – 2002
- UVI representative to consortium of **Insular Land Grant Institutions in the Caribbean and Pacific (CariPac)** - 2004-present
- Project Manager for **Student Mentoring Program in AES** – 2005 - present
- **Reaccreditation Self-Study Task Force Chair for Research and Public Service** component - July-December 2005
- Member of **UVI Faculty Integration Committee** - 2007-2008
- Secretary-Treasurer Elect, Secretary-Treasurer, President- Elect, President, Past President of the **Southern Section ASAS** - 2009-2013
- Administrative Advisor, and participant, for **SCC-081(Sustainable Small Ruminant Production in the Southeastern U.S.)** – 2011 – Present
- Administrative Advisor for **S-1061(Nutritional Systems for Swine to Increase Reproductive Efficiency)** – 2018 - Present
- AES representative on the **UVI Institutional Effectiveness and Assessment Advisory Board** 2012-present
- **Strategic Planning Subcommittee** Southern Section ASAS - 2012-2013
- Member of organizing committee for the first **UVI Research Day** activity held on St. Croix and St. Thomas campuses – 2012
- Insular Land Grant Institutions representative on the **Association of Public and Land-grant Universities Board on Agriculture Assembly Policy Board of Directors** - 2013-Present
- Peer Review Panel for **USDA-NIFA 1890 Capacity Building Research Grants** - 2015
- Technical committee joint meeting for **HATCH Multistate Project S-1064 and WERA-1** Host – St Croix, VI - 2016
- Annual **SAAESD, ASRED and Southern CARET and AHS** Joint Meeting Location Co-Host – St Thomas, VI - 2016
- Co-Program Director for APHIS sponsored **AgDiscovery** at UVI – 2016 to present
- UVI representative on the **Virgin Islands Industrial Hemp Commission** – 2017-present
- Chair of the **UVI AES-CES Merger Task Force** – 2016-2017
- Chair Elect and Chair of the **Southern Association of Agricultural Experiment Station Directors (SAAESD)** – 2015 to 2017
- Member of the **UVI Agriculture Academic Degree Committee** – 2016 to present
- Member of **UVI Research Policy Committee** – 2016

- **Experiment Station Committee on Organization and Policy (ESCOP)** liaison to the **Extension Committee on Organization and Policy (ECOP)** – 2018-present
- Co-chair of **UVI 2018-2023 Strategic Plan Development** task force for **Leadership and Excellence in Academics, Research and Public Service Focus Area** – 2018
- Member of **Committee of the University of the Virgin Islands Institute for Leadership and Organizational Effectiveness** in association with the **USVI Economic Development Authority Enterprise Zone Commission** to conduct a “Feasibility Study to Analyze the Potential of Establishing a Processing and Packaging Plant in the Virgin Islands” – 2018-present

#### **Awards and Honors:**

- University of the Virgin Islands, Research and Public Service, **Outstanding Service Award** – 2003
- Lifetime membership in the **St. Croix Hair Sheep International Association** – 2014
- **Food Systems Leadership Institute (FSLI)** Fellow (Cohort 12 - 2016-2018); Leadership Institute conducted by the Association of Public and Land-Grant Universities; APLU)
- **Fritz E. Lawaetz Award** from the Senepol Cattle Breeders Association recognizing years of service to the Senepol breed - 2018

#### **Teaching/Mentoring Experience:**

- Mentored 6 Student Scholars supported by the National Institutes of Health Minority Biomedical Research Support - Research Initiative for Scientific Enhancement (MBRS-RISE) program in collaboration with the College of Science and Math at UVI
- Mentored 3 volunteer students
- Mentored 3 students at UVI as part of National Student Exchange (students from Louisiana State University and Oregon State University)
- Taught BIO 339 – Vertebrate Structure – Fall 2005
- Mentored 2 students enrolled in BIO 495 – Directed Independent Research in Biology as part of grant on Resident Instruction in the Insular Areas; Students
- Mentored 15 undergraduate and 1 graduate student supported by Insular Funds for Resident Instruction in the Insular Areas – (2005 – present)
- Served as graduate committee member for 2 M.S. candidates at Mississippi State University
- Ad-hoc reviewer of 2 graduate student thesis and dissertations – University of the West Indies, University of Queensland

#### **Research Interests:**

- Factors that influence fertility in domestic livestock, male and female (i.e., environment, behavior, nutrition)
- Endocrine influences on reproductive competence in domestic livestock relating to gamete production

#### **Grants Received: (\$2,837,172 total funds)**

- USDA Minority Summer Internship Program (USDA, Summer 1995, \$2,110)
- Development of Artificial Insemination Procedures for Use in Hair Sheep (USDA-CBAG, 1995-1998, \$151,406)
- Enhancing Fertility in Heat-Stressed Cattle (USDA-CBAG, 1995-97, \$94,743)
- Effect of Supplemental Nutrition at Breeding or Lambing on Hair Sheep Production (USDA-

- TSTAR, 1998-2001, \$104,547)
- Performance of Lambs Sired by Dorper and St. Croix White Hair Sheep in the Tropics. (USDA-TSTAR, 2001-2004, \$103,057)
  - Evaluation of Feeding Regimens to Alleviate Heat Stress in Ruminants in the Tropics (USDA-TSTAR, 2004-2007, \$150,000)
  - Evaluation of Alternative and Conventional Small Ruminant Finishing Systems for the Tropics (USDA-TSTAR, 2005-2008, \$147,387)
  - Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean Islands (USDA-CSREES, 2005-2007, \$39,500)
  - Phase II Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2006-2007, \$51,750)
  - Phase III Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2007-2008, \$52,615)
  - Phase IV Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2008-2009, \$79,334)
  - Phase V Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2009-2010, \$86,468)
  - The effect of hair color and type on heat tolerance, tick resistance and growth rate of cattle under grazing conditions (USDA-TSTAR, 2008-2010, \$120,000)
  - Extension outreach and assistance in improved pasture and livestock management practices for pacific islanders (USDA-NIFA, 2008-2011, \$297,224)
  - Evaluating the influence of genotype and phenotype of Senepol cattle and hair sheep on physiological adaptations to the tropical environment (USDA-TSTAR, 2010-2013, \$120,000)
  - Outreach and Assistance in Tropical Pasture and Livestock Management for Pacific Islanders, (USDA- Office of Advocacy and Outreach 2010-2011, \$400,000; \$34,534 sub award)
  - Phase VI Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2010-2011, \$99,500)
  - Outreach and Assistance in Tropical Pasture and Livestock Management for Pacific Islanders (USDA-Office of Advocacy and Outreach 2011-2012, \$337,841 (Sub award of \$34,534))
  - Phase VII Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-CSREES, 2011-2012, \$99,862)
  - Phase VIII Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-NIFA, 2012-2013, \$98,375)
  - Phase IX Developing Resident Instruction in Food and Agricultural Related Sciences at Land Grant Institutions in the Pacific and Caribbean (USDA-NIFA, 2013-2014, \$97,125)
  - Experiential Learning as a Form of Resident Instruction for Students at the University of the Virgin Islands (USDA-NIFA, 2013-2014, \$159,143)
  - Enhancing Undergraduate Students Education through Experiential Learning in Agriculture Research (USDA-NIFA, 2015-2017, \$162,733)
  - Evaluation of the Relationship between Body Temperature and Grazing Behavior in Livestock in the Tropics (USDA-NIFA, 2015-2017, \$157,475)
  - Innovative Educational Approaches to Addressing Climate Change in the Caribbean (USDA-NIFA, 2016-2018, \$132,000)
  - Increasing opportunities for undergraduate students via experiential learning in agriculture (USDA-NIFA, 2016-2018, \$125,000)

- Rainwater Harvesting, Storage, and Micro-Irrigation for Water Self-Sufficiency (USDA-NIFA, 2017-2019, \$144,750)

### **Publications:**

1. Godfrey, R. W., R. D. Randel, D. W. Forrest and P. L. Senger. 1985. The concentration of estradiol-17 $\beta$  in bovine semen. *J. Anim. Sci.* 60:760-765.
2. Segerson, E. C., Jr., R. W. Godfrey, R. D. Randel and F. C. Gunsett. 1985. Immunosuppressive activity of uterine luminal protein from steroid-treated ovariectomized heifers. *Theriogenology* 25:639-652.
3. Godfrey, R. W., F. M. Rouquette, Jr. and R. D. Randel. 1988. Influence of cow weight change on cow reproductive performance and calf performance. *J. Prod. Agric.* 1:221-224.
4. Godfrey, R. W., R. D. Randel and N. R. Parish. 1988. The effect of using the breeding soundness evaluation as a selection criterion for Santa Gertrudis bulls on bulls in subsequent generations. *Theriogenology* 30:1059-1068.
5. Godfrey, R. W., R. D. Randel and F. M. Rouquette, Jr. 1989. The effect of zeranol on sexual development of crossbred bulls. *J. Anim. Sci.* 67:1751-1756.
6. Godfrey, R. W., M. J. Guthrie, D. A. Neuendorff and R. D. Randel. 1989. Evaluation of luteolysis and estrous synchronization by a prostaglandin analog (Luprostiol) in Brahman cows and heifers. *J. Anim. Sci.* 67:2067-2074.
7. Godfrey, R. W. and D. D. Lunstra. 1989. Influence of single or multiple sires and serving capacity on mating behavior of beef bulls. *J. Anim. Sci.* 67:2897-2903.
8. Godfrey, R. W., M. J. Guthrie, D. A. Neuendorff and R. D. Randel. 1989. Relationships among parity, pregnancy and endocrine events before and after estrus in Brahman cattle. *Theriogenology* 32:939-948.
9. Godfrey, R. W., D. D. Lunstra, T. G. Jenkins, J. G. Berardinelli, M. J. Guthrie, D. A. Neuendorff, C. R. Long and R. D. Randel. 1990. Effect of season and location on semen quality and serum concentrations of luteinizing hormone and testosterone in Brahman and Hereford bulls. *J. Anim. Sci.* 68:734-749.
10. Nolan, C. J., D. A. Neuendorff, R. W. Godfrey, P. G. Harms, T. H. Welsh, Jr., N. H. McArthur and R. D. Randel. 1990. Influence of dietary energy intake on prepubertal development of Brahman bulls. *J. Anim. Sci.* 68:1087-1096.
11. Godfrey, R. W., D. D. Lunstra, T. G. Jenkins, J. G. Berardinelli, D. A. Neuendorff, C. R. Long and R. D. Randel. 1990. Effect of location and season on body and testicular growth in Brahman and Hereford bulls. *J. Anim. Sci.* 68:1520-1529.
12. Godfrey, R. W., S. D. Smith, M. J. Guthrie, R. L. Stanko, D. A. Neuendorff and R. D. Randel. 1991. Physiological responses of newborn *Bos indicus* and *Bos indicus* X *Bos taurus* calves after exposure to cold. *J. Anim. Sci.* 69:258-263.
13. Godfrey, R. W., D. D. Lunstra, J. A. French, J. Schwartz, D. L. Armstrong and L. G. Simmons. 1991. Estrous synchronization in the Gaur (*Bos gaurus*): Behavior and fertility to artificial insemination after prostaglandin treatment. *Zoo Biol.* 10:35-41.
14. Godfrey, R. W., C. E. Pope, B. L. Dresser and J. H. Olsen. 1991. Gross anatomy of the reproductive tract of female black (*Diceros bicornis michaeli*) and white rhinoceros (*Ceratotherium simum simum*). *Zoo Biol.* 10:165-175.
15. Godfrey, R. W., D. D. Lunstra and B. D. Schanbacher. 1992. Effect of implanting bull calves with testosterone propionate, dihydrotestosterone propionate or estradiol-17 $\beta$  prepubertally on the pituitary testicular axis and on postpubertal social and sexual behavior. *J. Reprod. Fert.* 94:57-69.
16. Berardinelli, J. G., R. W. Godfrey, R. Adair, D. D. Lunstra, D. J. Byerley, H. Cardenas and R.

- D. Randel. 1992. Cortisol and prolactin concentrations during three different seasons in relocated Brahman and Hereford bulls. *Theriogenology* 37:641-654.
17. Willard, S.T., D.M. Hughes, Jr., M. Bringans, R.G. Sasser, D.R. White, J.T. Jacques, R.W. Godfrey, T.H. Welsh, Jr. and R.D. Randel. 1996. Artificial insemination, hybridization and pregnancy detection in Sika deer (*Cervus nippon*). *Theriogenology* 46:779-789.
  18. Godfrey, R.W. and P.J. Hansen. 1996. Reproduction and milk yield of Holstein cows in the US Virgin Islands as influenced by time of year and coat color. *Archivos Latinoamericanos de Producción Animal* 4:31-44.
  19. Godfrey, R.W., M.L. Gray and J.R. Collins. 1997. Lamb growth and milk production of hair and wool sheep in a semi-arid tropical environment. *Sm. Rum. Res.* 24:77-83.
  20. Godfrey, R.W., M.L. Gray and J.R. Collins. 1997. A comparison of two methods of oestrous synchronisation of hair sheep in the tropics. *Anim. Reprod. Sci.* 47:99-106.
  21. Husein, M.Q., J.E. Romano, M.T. Bailey, M.M. Ababneh, B.G. Crabo, R.W. Godfrey, W.A. Head and J.E. Wheaton. 1998. Estrous synchronization and pregnancy rate of transcervically inseminated ewes during the breeding season. *Sheep & Goat Research Journal* 14:148-152.
  22. Godfrey, R.W., J.R. Collins and M.L. Gray. 1998. Evaluation of sexual behavior of hair sheep rams in a tropical environment. *J. Anim. Sci.* 76:714-717.
  23. Godfrey, R.W., M.L. Gray and J.R. Collins. 1998. The effect of ram exposure on uterine involution and luteal function during the postpartum period of hair sheep ewes in the tropics. *J. Anim. Sci.* 76:3090-3094.
  24. Godfrey, R.W., J.R. Collins, E.L. Hensley and J.E. Wheaton. 1999. Estrus synchronization and artificial insemination of hair sheep ewes in the tropics. *Theriogenology* 51:985-997.
  25. Godfrey, R.W. and J.R. Collins. 1999. Post-weaning growth and carcass traits of hair and wool x hair lambs in the US Virgin Islands. *Sheep & Goat Research Journal* 15:100-105.
  26. Godfrey, R.W., J. R. Collins and E.L Hensley. 2000. Semen quality of hair sheep rams in a tropical environment after temporary scrotal insulation. *Sheep & Goat Research Journal* 16:83-87.
  27. Godfrey, R.W., J. R. Collins and E.L Hensley. 2001. Behavioral and endocrine responses of hair sheep ewes exposed to different mating stimuli around estrus. *Theriogenology* 55:877-884.
  28. Gandy, B., W. Tucker, P. Ryan, A. Williams, A. Tucker, A. Moore, R. Godfrey and S. Willard. 2001. Evaluation of the early conception factor (ECF) test for the detection of nonpregnancy in dairy cattle. *Theriogenology* 56:637-647.
  29. Panitz, E., R.E. Dodson and R.W. Godfrey. 2001. Incidence of *Coccidia (Eimeridae)* in adult ewes and lambs on St. Croix. *J. Agric. Univ. P.R.* 85:197-199.
  30. Godfrey, R.W. 2002. Barbados Blackbelly Sheep. In: *Animal Health and Production Compendium*. Wallingford, UK: CAB International.
  31. Panitz, E., R. W. Godfrey and R.E.Dodson. 2002. Resistance to Ivermectin and effect of topical Eprinomectin on faecal egg counts in St. Croix White hair sheep. *Vet. Res. Com.* 26:443-446.
  32. Godfrey, R.W and R.E. Dodson. 2003. Effect of supplemental nutrition around lambing on hair sheep ewes and lambs during the dry and wet seasons in the U.S. Virgin Islands. *J. Anim. Sci.* 81:587-593.
  33. Godfrey, R.W., A.J. Weis and R.E. Dodson. 2003. Effect of flushing hair sheep ewes during

- the dry and wet seasons in the U.S. Virgin Islands. *J. Anim. Vet. Adv.* 2:184-190.
34. Wheaton, J.E and R. W. Godfrey. 2003. Plasma LH, FSH, testosterone, and age at puberty in ram lambs actively immunized against an inhibin  $\alpha$ -subunit peptide. *Theriogenology* 60: 933-901.
  35. Henry, D.M. and R.W. Godfrey. 2004. Evaluation of an infrared thermometer for determining the scrotal surface temperature of hair sheep rams in a tropical environment. *J. Anim. Vet. Adv.* 3:695-699.
  36. Godfrey, R.W and R.E. Dodson. 2005. Breeding Soundness Evaluations of Senepol Bulls in the U.S. Virgin Islands. *Theriogenology* 63:831-840.
  37. Dodson, R. E., H.A. Buroker and R.W. Godfrey. 2005. Behavioral and physiological responses of hair and wool crossbred lambs in a tropical environment. *J Anim. Vet. Adv.* 4 (1): 126-129.
  38. Dodson, R.E., A.J. Weis and R.W. Godfrey. 2005. Post-weaning growth and carcass traits of St. Croix White and Dorper X St. Croix White lambs grazing pasture during the dry and wet seasons in the U.S. Virgin Islands. *Sheep & Goat Research Journal* 20: 25-31.
  39. Godfrey, R.W. and A.J. Weis. 2005. Post-weaning growth and carcass traits of St. Croix White and Dorper X St. Croix White lambs fed a concentrate diet in the U.S. Virgin Islands. *Sheep & Goat Research Journal* 20: 32-36.
  40. Willard, S., T. Dickerson, R. Dodson, A. Weis and R. Godfrey. 2006. Administration of 6-methoxybenzoxazolinone (MBOA) does not augment ovulatory responses in St. Croix White ewes superovulated with PMSG. *Animal Reproduction Science*, 93: 280-291.
  41. Panitz, E., R.E. Dodson and R.W. Godfrey. 2006. Infections of *Moniezia expansa* (Rudolphi, 1810) in sheep during the wet and dry seasons on St. Croix, U.S. Virgin Islands. *Comp. Parasitol.* 73:179-183.
  42. Meadows, J. R. S., O. Hanotte, C. Drögemüller, J. Calvo, R. Godfrey, D. Coltman, J. F. Maddox, N. Marzanov, J. Kantanen and J. W. Kijas. 2006. Globally dispersed Y chromosomal haplotypes in wild and domestic sheep. *Animal Genetics* 37:444-453.
  43. Weiss S.A., J.P. Muir and R.W. Godfrey. 2010. Coral vine consumption by St. Croix White hair lambs. *Livestock Research for Rural Development*. Volume 22, Article #97. <http://www.lrrd.org/lrrd22/5/weis22097.htm>
  44. Godfrey, R.W., L. Larson, A.J. Weis and S.T. Willard. 2010. Evaluation of ultrasonography to measure fetal size and heart rate as predictors of fetal age in hair sheep. *Sheep & Goat Research Journal* 25: 60-65.
  45. Godfrey, R.W., M.C. Vinson and R.C. Ketring. 2012. Evaluation of split feeding regimens on growth and productivity of hair sheep ewes and lambs in the tropics. *J. Anim. Vet. Adv.* 11:2747-2752.
  46. Godfrey, R.W., M.C. Vinson and R.C. Ketring. 2013. The effect of a split feeding regimen and breed on body temperature of hair sheep ewes in the tropics. *J. Anim. Sci.*, 91:5205-5207. doi:10.2527/jas.2013-6559
  47. Huson, H.J., E.S. Kim, R.W. Godfrey, T.A. Olson, M. McClure, C.C. Chase, R. Rizzi, A.M. O'Brien-Perez, C. Van Tassell, J.F. Garcia, T.S. Sonstegard. 2014. Genome-wide association study and ancestral origins of the slick-hair coat in tropically adapted cattle. *Frontiers in Genetics*, 5:101. doi: 10.3389/fgene.2014.00101
  48. George, W.D., R. W. Godfrey, R. C. Ketring, M. C. Vinson and S. T Willard. 2014. Relationship among eye and muzzle temperatures measured using digital infrared thermal

imaging and vaginal and rectal temperatures in hair sheep and cattle. *J. Anim. Sci.* 92:4949-4955. doi:10.2527/jas.2014-8087

49. Weiss S.A., R.W. Godfrey, R. Ben-Avraham and R.C. Ketring. 2015. Performance and carcass characteristics of hair sheep lambs finished on tropical pasture or rangeland and supplemented with maize. *Livestock Research for Rural Development*. Volume 27, Article #228. <http://www.lrrd.org/lrrd27/11/weis27228.htm>
50. Godfrey, R.W. and A.J. Weis. 2016. Effect of weaning age on hair sheep lamb and ewe production traits in an accelerated lambing system in the tropics. *J. Anim. Sci.* 94:1250-1254. doi:10.2527/jas2015-9987
51. Godfrey, R.W., W.D. Preston, S.R. Joseph, L. LaPlace, P.E. Hillman, K.G. Gebremedhin, C.N. Lee, and R.J. Collier. 2017. Evaluating the impact of breed, pregnancy and hair coat on body temperature and sweating rate of hair sheep ewes in the tropics. *J. Anim. Sci.* 95:2936-2942. doi:10.2527/jas2016.1125

### **Book Chapters:**

1. Godfrey, R.W. and R.E. Dodson. 2006. Alternative methods of controlling parasites in small ruminants. Pages 62-70 in *Alternative Health Practices for Livestock*. T.F. Morris and M.T. Keilty, eds. Blackwell Publishing, Ames, IA.

### **Invited Presentations:**

1. "Production of hair sheep using accelerated lambing and an extensive management system in the U.S. Virgin Islands: A 10 year summary". 3<sup>rd</sup> Annual Barbados National Agriculture Conference hosted by the Ministry of Agriculture in Barbados, July 17-20, 2005.
2. "Hair sheep Production and Management in the Tropics". Sheep Producers Association of Hawaii, Sheep Producer's Grazing Management Workshop, Kamuela, HI, October 20-21, 2005.
3. "Performance of Dorper and St. Croix White Crossbred Lambs and Ewes in the Tropics". Sheep Producers Association of Hawaii, Sheep Producer's Grazing Management Workshop, Kamuela, HI, October 21, 2006.
4. "Senepol Research in the U.S. Virgin Islands: A summary and future work". Panama Senepol Association, World Senepol Symposium, Coronado Beach, Panama November 16-17, 2007.
5. "Senepol Cattle in the US Virgin Islands: History and Current Research" International Conference on the Senepol Breed and its Crosses, Medellín, Colombia, November 21- 22, 2009.
6. "Physiology of Adapted Livestock in a Tropical Environment". Kansas State University as a part of the ADVANCE Distinguish Lecture Series, sponsored by the K-State Office for the Advancement of Women in Science and Engineering, March 25-26, 2014.
7. "The Impact of Weaning Age on Productivity of Hair Sheep Ewes and Lambs in an Accelerated Lambing System in the Tropics". 8<sup>th</sup> Small Ruminant Conference, Alabama A&M University, Eufaula, AL, July 23-24, 2015.
8. "Physiology of Adapted Hair Sheep in a Tropical Environment". 8<sup>th</sup> Small Ruminant Conference, Alabama A&M University, Eufaula, AL, July 23-24, 2015.
9. "Managing Reproduction in Hair Sheep." 9<sup>th</sup> Annual Small Ruminant Conference, Alabama A&M University, Orange Beach, Alabama, August 26-27, 2016.



10. "Gastrointestinal Parasite Resilience of Hair Sheep Breeds." 9<sup>th</sup> Annual Small Ruminant Conference, Alabama A&M University, Orange Beach, Alabama, August 26-27, 2016.
11. "The impact of weaning age on productivity of hair sheep ewes and lambs in an accelerated lambing system in the tropics." Annual Meeting of the St. Croix Hair Sheep International Association, Nashville, IN, Aug 18-19, 2017.
12. "Gastrointestinal parasite resilience of hair sheep breeds." Annual Meeting of the St. Croix Hair Sheep International Association, Nashville, IN, Aug 18-19, 2017.
13. "Livestock Reproduction Meets Modern Technology" session Moderator at USDA Ag Outlook Forum, Washington, DC, Feb 22-23, 2018

### **Conference Proceedings:**

1. Godfrey, R. W., R. D. Randel, D. D. Lunstra and J. G. Berardinelli. 1987. The effects of environment upon reproductive function of Brahman and Hereford bulls. Proc. Ann. Mtg. Soc. for Theriogenology, pp 32-55.
2. Godfrey, R. W., L. Srivastava, P. T. Russell and B. L. Dresser. 1993. Progress in reproductive physiology research in rhinoceros. Proceedings of the International Symposium on Rhinoceros Conservation and Biology. San Diego, CA, May 9-11, 1991 pp 149-152.
3. Godfrey, R.W. and P.J. Hansen. 1994. Effects of coat color on production and reproduction of dairy cattle on St. Croix. Proc. Caribbean Food Crop Soc., 30:180-185.
4. Brown, W.F., M. Gray, M.B. Adjei and R.W. Godfrey. 1994. Growth response of hair sheep fed urea-ammoniated guineagrass (*Panicum maximum*) hay. Proc. Caribbean Food Crop Soc., 30:173-179.
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