

CURRICULUM VITA

**C. Reuben Walker, Ph.D.**

Department of Agricultural Sciences and Urban Forestry  
Fisher Hall, Rm. 118  
Southern University and A & M College  
Baton Rouge, LA 70813  
(225)-771-3206(O)

**AREA OF INTERESTS:**

My academic interests include, (1) continue seeking support for boosting the food and agricultural sciences (FAS) student enrollment and faculty/staff replacement, (2) continue seeking funding for developing a biomedical laboratory animal medicine program in the Health Science Center and Poultry Buildings, (3) positioning Southern University and A & M College as the leader in organic agriculture production, and (4) commence experiments in altering the genetic ratios (sex control) of swine.

**EDUCATION:**

**Degree: Ph.D. 1983: Oregon State University**

Major: Animal Breeding and Genetics

Minors: 1. Statistics

2. Poultry Management

Thesis: *"Genetic and Environmental Components of the Occurrence of Estrus in Confinement Gilts"*

**Degree: M.S. 1980: Oregon State University**

Major: Animal Breeding and Genetics

Minor: Crop Production

Thesis: *"Reproductive Performance of Sows Mated During Lactation"*

**Degree: B.S. 1976: Louisiana Tech University**

Major: Animal Science

**Degree: None – Freshman Year in 1972: Grambling State University\***

Major: Animal Science

\*Grambling State University (GSU) and Louisiana Tech University merged agricultural programs in in 1973. I was the 1<sup>st</sup> and only GSU agricultural student to graduate as a result of the merger. Approximately, 100 GSU agricultural students started and then changed their majors to avoid the class hour conflicts between the two universities and long bus commute to Louisiana Tech University for classes. GSU eventually lost it agricultural program due to the aging agricultural faculty at GSU faculty retiring without replacements.

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### WORK EXPERIENCE:

- August, 2013 to Present – Chair of Agricultural Sciences and Urban Forestry
- August, 2010 to July 2012 – SUBR Division Leader of Agricultural Sciences
- July, 1997 to Present – Program Leader of Animal Science
- July, 1995 to Present - Professor of Animal Science
- July, 1990 - July, 1995 - Associate Professor of Animal Science
- July, 1985 - June, 1990 - Assistant Professor of Animal Science
- July, 1984 to June, 2015 – Alcorn State University - Research Associate

### GRANTS & REVENUE GENERATION: (Abbreviated Listing > \$10 million dollars)

1. Provided 100% of the written proposal transmitted to a former Louisiana Senator of Lafayette/St. Landry parishes that resulted in SU Ag Center receiving an annual \$750,000 appropriation since 2003 or \$10.5 million since 2003.
2. Received a \$135,000 Louisiana Board of Regents grant that was rank 1<sup>st</sup> out of 33 grant proposals dealing with an industry linkage in 2011. The proposal was entitled, "Production and Niche Marketing Assessment of Aquaculture Waste in Organic Production."
3. Received an organic grant proposal was funded by USDA on April 22, 2014 through 2017. The proposal is entitled, "Evaluation of craw-crab meal as a feed supplement in organic pork production." The total funding was approximately \$410,000.
4. Received funding for a USDA/ 1890 Capacity Building Grant entitled, "LA-Science, Technology, Engineering, Agriculture, and Mathematics (LA-STEAM) was funded for 2014-16. The total funding was approximately \$150,000. The total funding was approximately \$600,000.
5. Received a \$300,000 USDA/1890 Capacity Building Grant for 2008-11 entitled, "Salvaging craw-crab offal in organic production systems SCOOPS."
6. Received a \$600,000 USDA/Evans Allen Grant for 2004-08 entitled, "Evaluation of Methods and usages for processed aquatic waste meals."
7. Received a \$150,000 USDA/ 1890 Capacity Building Grant for 2008-11 entitled, "Louisiana - Agricultural Research Apprenticeship Program (LA-RAP)."
8. Served as a Co-Project Director on at least four (4) active USDA grants totaling over \$800,000.
9. *Excluding the above listing* of funded grant proposals, in globo, I have participated over the last 30 years in funded or revenue generation totaling nearly 30 million dollars.

**PUBLICATIONS: (approximately abbreviated >50)**

**Patents (2 with one pending filing in 2016)**

Walker, C. Reuben. 2016. Craw-Jag Apparatus for drying shellfish waste (crawfish, crab, and shrimp). U.S. Patent Office. Provisional Patent Pending (Electrical dryer being updated presently)

Walker, C. Reuben. 2004. Method and apparatus for reducing the calcium and phosphorous ration and increasing crude protein in shellfish waste. U.S. Patent Office. Patent # 6,777,542

Walker, Calvin. 1991. Baby Pig Catcher. Foreign License granted. Abandon due to the lack of University support. Another entity is now marketed the equipment. No. #07/710,314.

**Books (2)**

Walker, C. Reuben, P. Dinkins, G. C. Simon. 2004. Practical Swine Calculations. Copley Publishing Group, Acton, MA.

Walker, Calvin. 1990. Baby Coloring Book. Copyrighted in 1990. U.S. Copyright Office VA-178-762

**BOOK CHAPTERS (4)**

Walker, C., P. Dinkins, and J. W. Robinson. 1995. Resolving School Conflicts through Appropriate Multicultural Education Programs: Dealing with Youth Violence. Pages 102-105. National Education Service. Bloomington, Indiana.

Walker, C. O. Bandele, and D. Mellion. 1993. Multicultural Education: Ways to Utilize the Historically Black Land-Grant Agricultural Programs. Chapter 16. Silver Burdett Ginn, Morristown, NJ.

Walker, Calvin and R. Jacobs. 1992. Toward Education That Is Multicultural: Multicultural Education: The Outlook, Outreach and Outcome for the 1990's. Chapter 7, pgs. 36-41. Silver Burdett Ginn, Morristown, NJ.

Wade, B. and C. Walker. 1990. Assessing the Effect of Various Academic Parameters on the Academic Performance of Honors Students at Southern University- Baton Rouge. Education, 115(1), 63-69.

**ARTICLES/ABSTRACTS/MAGAZINES( abbreviated listing)**

- England, D. C. and C. Walker. 1977. Within-herd sire production for non-inbred mating use. Proc. West. Sect. Amer. Soc. Anim. Sci. Vol. 28.
- Manuel, S., C. V. Chisley, R. Marshall, G. C. Simon, C. R. Walker, and S. Gebrelul. 2013. Evaluation of burnt corn gluten meal in layers diets. 17<sup>th</sup> Biennial Research symposium, Association of 1890 Research Directors, Inc. pg. 515.
- Gebrelul, S., C. R. Walker, and A. Dantzler. 2004. The use of crawfish meal waste as a protein source for feeding goats. J. Anim. Sci. 82 (Suppl. 1), 355-356.
- Ghebreyessus, Y., C. Walker, M. Berhane, and S. Gebrelul. 1997. Placement effect and biodegradation of crawfish waste. Field study and model evaluation. Association of Research Directors, Inc., 1890 Research: Partnerships for a Sustainable Future, San Antonio, TX, pg. 133.
- Neal, E., C. Walker, and A. Howard. 1993. The effect of feeding crab meal in growing pigs rations. Journal of Louisiana Academy of Sciences, 56 (1), 29.
- Walker, C. R. and F. Mathieu. 2012. Burnt corn gluten meal preliminary findings in sugarcane. Technical Report #10, 1 page, Dept. of Agricultural Sciences. Fisher Hall, Rm. 118, Southern University, Baton Rouge, LA.
- Walker, C. R., Y. T. Ghebreyessus, and F. Mathieu. 2012. Crawfish meal fertilizer profile. Technical Report #7, 2 pages, Dept. of Agricultural Sciences. Fisher Hall, Rm. 118, Southern University, Baton Rouge, LA.
- Walker, C. Reuben 2006. Aquatic Waste Website. Southern University Agricultural Research and Extension Center. [www.suagcenter.com](http://www.suagcenter.com)
- Walker C. R., Y. Ghebreyessus, S. Gebrelul, F. Mathieu, and A. Harris. 2006. Crawfish waste: A trash or treasure. 15<sup>th</sup> Annual Association of Research Directors, Inc., Atlanta, GA, pg. 94.
- Walker, C. R. 2004. Crawfish: A Louisiana delicacy, an environmental nightmare. *Jaguar Nation Magazine* Spring/Summer, pg. 50-51.
- Walker, C. R. 2004. Method and apparatus for reducing the calcium and phosphorous ratio and increasing crude protein in shellfish waste meals. U. S. Patent and Trademark Office.
- Walker, C., O. Phelps, D. Jones, F. Mathieu, and A. Howard 1997. Effects of feeding crawfish waste to finishing swine. 1890 Association of Research Directors Conference Proceedings, pg. 46.
- Walker, C. 1996. Part II: Economic potential of crawfish waste. *Courier Magazine*. Nov. /Dec., pg. 24.

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Walker, C. 1995. Part 1: Economic potential of crawfish waste. *Courier Magazine*. Nov. /Dec., pg. 28.

Walker, C. and A. Howard. 1992. Social Separation of Infants: Can human models be effective in animal research? *National Social Science Perspective Journal*, Vol. 1, No. 1, pgs. 149-151.

Walker, C. and A. Howard. 1992. An update on consumer's impact on lean pork production. *National Social Science Perspective Journal*, Vol. 1, No. 1, pgs. 152-156.

Walker, C., D.C. England, and A. Howard. 1990. The influence of social environment on puberty attainment of gilts. *Journal of Animal Science*. Vol. 68 (Suppl. 1), pg. 254. (Abstract).

Walker, C. and D. C. England. 1990. The influence of heredity on pubertal estrus of Yorkshire gilts in confinement. *Journal of Animal Science*. Vol. 68 (Suppl. 1), pg. 499. (Abstract).

Walker, C., E. Q. Daniels, and S. B. Williams. 1989. Boosting animal science undergraduate student enrollment. *Animal Science* 67 (Suppl. 2) pg. 70 (Abstract)

Walker, C. and D. C. England. 1983. Association of weight and breeding at third estrus with litter productivity at first and second parity. *Journal of Animal Science*, Vol. 58. (Supplement 1. (Abstract).

Walker, C. and D. C. England. 1978. Reproductive and litter performance of sows mated during lactation. *Proc. West. Sect. Amer. Soc. Anim. Sci.*, Vol. 29:11.

### **MAGAZINE/Bulletins**

Walker, C. 1992. Agriculture Today. *Black Exposition Magazine*, Vol. II, No. 9, pg. 7.

Walker, C. 1990. Hogs Today *Farm Journal*. December Issue.

Walker, C. 1990. Creole Hamburgers. *28<sup>th</sup> Annual Acadiana Cookbook*, pg. 35.

Walker, C. 1990. Pork Salad. *28<sup>th</sup> Annual Acadiana Cookbook*, pg. 35.

Walker, C. 1990. Pork Shish-Ke-Bob. *28<sup>th</sup> Annual Acadiana Cookbook*, pg. 35

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- Walker, C. 1987. Assessing the effect of grouping scheme on reducing stress on newly purchased feeder pigs. 7<sup>th</sup> Biennial Research Symposium Proceedings, pg. 53. (Abstract).
- Walker, C. and D. C. England. 1983. Productivity of gilts exposed in various environmental groups. Special Report 677, pgs. 17-22, Agri. Exp. Station, Oregon State University
- Walker, C. 1983. Making genetics work. Tennessee Farm and Home Ministries Institute. November 4 issue.
- Walker, C., C. Fenderson, and R. Norman. 1983. Can the mating of sows during lactation benefit small farm operations? Tennessee Farm and Home Ministries Institute. November 4 issue.
- Walker, C., C. Fenderson, and R. Norman. 1983. A need for further evaluation of puberty in confinement gilts. Tennessee Farm and Home Ministries Institute. November 4 issue.
- Walker, C. and D. C. England. 1981. Litter production of gilts of different weights. Special Report 543, pg. 20-26, Agri. Exp. Station, Oregon State University
- Walker, C. and D. C. England. 1977. Mating of sows during lactation. Special Report 404, pg. 28-35, Agri. Exp. Station, Oregon State University
- Walker, C. and D. C. England. 1977. Age at first farrow and interval between weaning and next farrowing. Special Report 564, pg. 55-60, Agri. Exp. Station, Oregon State University

## POETRY

- Walker, C. 1990. Seasons of Agriculture. American Poetry Anthology. Vol. 9, No. 4, pg. 208, pgs. 121-124.

## USDA/NOSB Published Documents(Writer)

- USDA/National Organic Standards Board. 2015. *Glucose (for use in organic livestock production)*. USDA NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.
- USDA/National Organic Standards Board. 2015. *Isopropanol (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.
- USDA/National Organic Standards Board. 2015. *Oxytocin (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

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USDA/National Organic Standards Board. 2015. *Hydrogen Peroxide (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2015. *Vitamins (for use in organic livestock production)*. USDA/NOSB La Jolla, April 2015 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2014. *Vitamins (for use in organic aquaculture animal production)*. USDA/NOSB, San Antonio, Texas, April 2014 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

USDA/National Organic Standards Board. 2014. *Vitamins (for use in organic aquaculture plant production)*. USDA/NOSB, San Antonio, Texas, April 2014 meeting. I was writer. Generally, the writer make the motion for approval of the document written by the writer for USDA/NOSB publishing and posting.

### **Students Thesis (Served as Mentor)**

Bridgewater, A. 2013. Sensory evaluation of organic pork. SUBR Honors College. May, 2013 – Currently a USDA/NRCS employee in Deridder, Louisiana

Fisher, T. 2008. Evaluation of crawfish meal in feeder pigs and broiler diets. B.S in Animal Science from SUBR. Earned D.V.M. May, 2012. Currently, employed at USDA/Food safety and Inspection Service.

Ingram, T. A. 2008. A study of eutrophication affects using crawfish waste as a soil amendment. Master's thesis. Southern University, Department of Chemistry.

Jones, C. 1996. Refractionated crawfish waste meal potentials. B.S in Animal Science from SUBR. Earned M.D. Stanford University, 2002. Practicing Medicine at John Hopkins (Human Medicine)

### **PRESENTATIONS (abbreviated recent listing)\***

I have over 40 presentations that spans research and extension. The presentations were local, regional, national, and international. A recent abbreviated listing is shown below.

#### National Presentations

Walker, C. R. 2015. *Oxytocin*. Public comment review USDA/NOSB- Livestock Subcommittee. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015. The presentation is published transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meeting.

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Walker, C. R. 2015. *Glucose*. Public comment review USDA/NOSB- Livestock Subcommittee. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015. The presentation is published transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meeting.

Walker, C. R. 2015. *Isopropanol*. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015. The presentation is published in the transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meetings.

Walker, C. R. 2015. *Vitamins*. The presentation was made at USDA/NOSB La Jolla, California meeting. April 30, 2015. The presentation is published in the transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meetings.

Walker, C. R. 2015. *Hydrogen peroxide*. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015. The presentation is published in the transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meeting.

Walker, C. R. and C. Bondera. Justification for methionine removal from the USDA/NOSB National List. The presentation was made at USDA/NOSB La Jolla, California meeting on April 30, 2015. The presentation is in the published transcript of the meeting and posted on USDA/NOP website under NOSB La Jolla meeting.

Walker, C. R., T. Favre, J. Dickson, C. Bondera, J. Richardson, M. Stone, and F. Thicke. 2014. Vitamins in aquatic animal production. USDA/NOSB- Livestock/Aquaculture Subcommittee. The presentation was made at USDA/NOSB San Antonio, Texas. The presentation is in the published transcript of the meeting and posted on USDA/NOP website under San Antonio NOSB meeting.

### **HONORS AND AWARDS (abbreviated):**

- 2015 - USDA National Organic Program Service Award by USDA Secretary of Agriculture Tom Vilsack
- 2015 - 2016 USDA/NIFA (National Institute of Food and Agriculture)/Top National Innovative Programs and Projects Award - Served as the team leader.
- 2012 - 2013 Elected Secretary of USDA/ National Organic Standards Board(NOSB)
- 2013 - 2015 Materials Subcommittee Chair – USDA/National Organic Standards Board (NOSB)
- 2014 - 2015 Livestock Subcommittee –Vice Chair - USDA /NOSB
- 2014 - 2015 Policy Subcommittee Committee –Vice Chair - USDA /NOSB
- 2011 - 2016 Appointment to USDA/NOSB



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### **HONORS AND AWARDS (cont'd):**

- 2004 - 1<sup>st</sup> and only scientist at SU to receive a patent from the U.S. Patent & Trademark Office
- 2004 - 1<sup>st</sup> and only scientist at SU Ag Center to receive a patent
- 1999 - Alpha Phi Alpha Fraternity (Beta Iota Lambda) - Award of Merit (Highest Recognition)
- 1992 - Southern University's Dr. Huel D. Perkins Teacher of the Year Award.
- 1992 - Recipient of the - Outstanding Faculty Award (College of Agriculture & Home Economics)
- 1990 - Recipient of the Outstanding Faculty Award (College of Agriculture & Home Economics)

### **UNIVERSITY/COLLEGE/CAMPUS COMMITTEES**

- 2015 to Present - SUBR Commencement Committee - Assistant University Marshall
- 2013-15 - Member of the College of Sciences and Agriculture Tenure & Promotion Committee
- 2013 -14 - Chair of the Dean Search Committee for the College of Sciences and Agriculture
- 2014 - 15 - Chair of the SUBR/SU Ag Center Horticultural Farm Planning Committee
- 2014 - 2015 - SU Ag Center Experiment Station Committee
- Charter Member of Southern University Mentoring Program
- 1988 -1994 - Member of SUBR Academic Appeals Committee
- Charter Member of SUBR Honors College Advisory Committee
- 1989 to Present and Currently, Co-Chair of the SUBR Academic Honors Committee
- 1988 to 1992 Member of SUBR Faculty Senate
- 1989 - 992 Bayou Classic National Issues Forum Coordinators (Drs. E. C Harrison, R. Ford, and I).
- June, 2014 - Former Member of the SUS/SUBR Academic Restructuring Taskforce
- June, 2014 - Jetson Juvenile Detention Center White Paper Committee

### **MEMBERSHIP (abbreviated)**

- Phi Delta Kappa
- Alpha Zeta National Honor Fraternity
- Alpha Phi Alpha Fraternity
- Past Editor-in-Chief Journal of Pork Science
- Charter Member of Alpha Zeta (LA Gamma Chapter) at Louisiana Tech University
- Charter Member of Southern University Honors College Advisory Board
- 1992-94 Director of the Agriculture & Forestry Section of the LA. Academy of Sciences
- Prince Hall Mason
- Organic Consumers Association
- Honorary Southern University Alumni Member- Paid in 1985.

**HOBBIES:**

- Reiki Spiritual Healer (Master Level 3)
- Herbal Medicine Practice (Anti-Cancer, cholesterol/high blood lowering herbs)
- Golf
- Rodeo
- Shrimping, crabbing, and crawfishing

**Personal Data:**

- Born in Shreveport, Louisiana and reside in Lafayette Louisiana
- Married to Michelle Walker (former Michelle Guillory) of Swords , Louisiana
- Children: Marcus Reuben Walker and Michael David Walker
- Religion: My life: The way I live and treat people; the sum total is my religion.
- Preferred Religious Sects: Church of God in Christ and Judaism
- My Spiritual Force Number: 33

**REFERENCES:**

Available upon request