

CURRICULUM VITAE

CHARLES MAGEE

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FORMAL EDUCATION

Graduate:

Ph.D., 1980, Agricultural and Biological Engineering (Structures and Environment - Thermal Processes), Cornell University, Ithaca, NY
Dissertation: "A Comparison of Three Milking Units in Terms of Milking Performance and Influence on Organism Transport"

M.S., 1973, Agricultural Engineering (Structures and Environment -Thermal Processes), University of Minnesota, St. Paul, MN
Thesis: "Determination of Heat Production of Active Growing Turkeys by Indirect Calorimetry"

Undergraduate:

B.S., 1970, General Agriculture (Animal Science), Alcorn State University, Lorman, MS

Career Objective:

To secure an administrative position with the responsibility of leading, directing, and managing academic, research, and outreach programs at a university.

EMPLOYMENT

1995 to Present Florida A&M University, Tallahassee, FL

Aug. 2003- Aug. 2006, Interim Dean, College of Engineering Sciences, Technology and Agriculture (CESTA) and Director of Land Grant Programs

1995 to Present, Professor, Biological and Agricultural Systems Engineering (BASE)

1995 to 2001, Director, Biological and Agricultural Systems Engineering (BASE)

1984 to 1995 The Fort Valley State University, Agricultural Research Station, Fort Valley, GA

1991 to 1995, Associate Professor of Agricultural Engineering

1988 to 1990, Acting Research Director, Agricultural Research Station

1984 to 1991, Assistant Professor of Agricultural Engineering

1986 to 1988, Acting Director, Georgia Goat Research and Extension Center

- 1979 to 1984** **University of Arkansas, Fayetteville, AR**
Assistant Professor, Department of Agricultural and Biological Engineering
- 1974 to 1979** **Cornell University, Ithaca, NY**
Teaching and Research Assistant, Department of Agricultural & Biological Engineering
- 1973 to 1974** **North Carolina A&T State University, Greensboro, NC**
Research Associate and Instructor, Department of Plant Science & Technology
- 1969 to 1973** **University of Minnesota, St. Paul, MN**
Teaching and Research Assistant, Department of Agricultural Engineering
- 1966 to 1969** **Alcorn State University, Lorman, MS**
Student Worker, Division of Agriculture

Teaching Experience

Florida A & M University

- ABE 1010** Intro. to Biological & Agricultural Systems Engineering
ABE 3650 Engineering Properties of Biological Materials
ABE 4042 Senior Design I
ABE 4043 Senior Design II
ABE 4611 Environmental Modifications and Controls
ABE 4812 Food & Bioprocess Engineering

Fort Valley State University, Georgia

- SRAP 100** Physics (Summer Research Apprenticeship Program)
AET 104 Mechanical Drafting Technology
AEN 301 Farm Buildings
AET 440 Structures and Environment
AET 431 Reinforced Concrete

University of Arkansas-Fayetteville

- AGME 1483** House Planning

North Carolina A & T State University

- PLSC 113** Agricultural Drawings
PLSC 330 Elements of Weather and Climate

Research Experience

Fort Valley State University, Georgia

“A Comparison of Sweet Potato Quality in Ice-Cooled Storage Facilities.” Principal Investigator. FVSU Agricultural Research Station, Project GEOX-6102

“The Storage of Leafy Vegetables in Ice-Walled Containers.” Principal Investigator. FVSU Agricultural Research Station, Project GEOX 6101

University of Arkansas, Fayetteville, AR

“Alternative Energy Systems for Rural Houses”. Principal Investigator. University of Arkansas Agricultural Experiment Station, Project 841.

“Polyethylene Tube Collector for Greenhouses”. Principal Investigator. University of Arkansas, Epperly Greenhouse Grant.

“Effects of Different Internal and External Vapor Pressures on Rice”. Co-Investigator. University of Arkansas Riceland Foods Grant.

Grants

Florida A&M University, Tallahassee, FL

Competitive:

Funded

"Nurturing African American for Graduate School in Agricultural and Biological Engineering". USDA 1890 Institution Capacity Building Grants Program, 1997-2002; \$250,013; Project Director, Charles Magee.

Unfunded:

“Hydroponic / Airoponic Production of Carrots in a Reduced Pressure Environment.” National Aeronautical Space Administration (NASA) Advanced Life Support systems Program, October 2001; \$749,750 (not funded); Principal Investigator/ Project Director, Charles Magee.

“Research Experience for Florida Agricultural and Mechanical University’s (FAMU’S) and Cornell University’s Undergraduate Students.” NASA Advanced Life Support Systems Program, October 2001; \$649,94 (not funded); Principal Investigator / Project Director, Charles Magee

"Implementation of a New Degree Program for Biological and Agricultural Systems Engineering (BASE)". U.S. Department of Education /Minority Science Improvement Program, Nov. 1995; \$308,000 (not funded); Project Director, Charles Magee.

"Increasing African American Females in Biological and Agricultural Systems Engineering". USDA Higher Education Multicultural Scholars Program, 1997-2001; \$100,000 (not funded); Project Director, Charles Magee.

Non-Competitive:

Funded

"Biological and Agricultural Systems Engineering Scholarship Fund". USDA/Natural Resources Conservation Service (NRCS), 1996-2011; \$1,495, 000; Project Director, Charles Magee.

"Biological and Agricultural Systems Engineering (BASE) - Summer Academic Program (SAP) 1996". USDA/Agricultural Research Service (ARS), Feb. 1996; \$25,000; Project Director, Charles Magee.

Competitive Projects Inherited:

"Implement a Degree Program for Biological and Agricultural Systems Engineering". USDA 1890 Institution Capacity Building Grants Program, Sept. 1, 1995 - Aug. 1998; \$151,572; Project Director, Charles Magee.

"Conduct Feasibility Study and Develop an Agricultural Engineering Degree Program". USDA 1890 Institution Capacity Building Grants Program, Aug. 1, 1994 - July 31, 1997; \$199,594; Project Director, Charles Magee.

Non-Competitive:

None

Fort Valley State University, Fort Valley, GA

Competitive

Funded:

"Agricultural and Technology Teaching Laboratory." USDA Capacity Building Grants Program, 1995-1998; \$162,000 (with Drs. Curtis Borne, Chau Nguyen).

"Young Scholars Project for High Ability and High Potential Secondary High School Students." National Science Foundation (NSF), 1988-1989; \$89,025 (with Drs. S. Mahotiere and M. Latimore).

"Science Apprenticeship Program for High School Juniors and Seniors." USDA Capacity Building Grants Program, 1992-1995; \$164,135 (Co-Investigators: Drs. C. Nguyen and N.B. Brown, Jr.).

SELECTED PUBLICATIONS AND PRESENTATIONS

Magee, C. 2008, Chapter 5: "Biological and Agricultural Systems Engineering (BASE): A Success in STEM at Florida Agricultural and Mechanical University (FAMU)." Models for Success: "Successful Academic Models for Increasing the Pipeline of Black and Hispanic Students in STEM Areas." Thurgood Marshall College Fund, Third Edition.

Magee, C. 2008. Patent Number: US 2008/0173567A1. Vehicle Cup and Plate Holders, July 24, 2008.

Magee, C. 2003. Patent Number: US 483,068S. Desk Name Plate and Accessory Base. December 2.

Magee, C. 1998. Patent Number: 395,009. Clock. United States Patent Office. June 9.

- Magee, C. 1996. "A plea for commitment to diversity in academia." Resource, American Society of Agricultural Engineers. February.
- Magee, C. 1994. "Excellence is your best weapon for fighting racism" in the Newsletter of the National Society for Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS). Vol. 4., No. 1 (Fall): 4 and 7.
- Magee, C. 1992. "Storage of collard greens in 'water-drip' containers." Ninth Biennial Research Symposium of the Association of 1890 Research Directors, October 4-7, Atlanta, GA.
- Magee, C. 1992. Patent Number: 5,104,168. Hand Table and Carrying Rack. United States Patent Office, April 14.
- Magee, C. 1991. "Agricultural engineering: Where the jobs are." Career Focus. November/ December: 32-33.
- Magee, C. 1991. "No easy road to the top." Black Excellence. November/December: 46-47.
- Magee, C. 1991. Patent Number: 5,062,67. Hand Table and Carrying Rack. United States Patent Office, November 5.
- Magee, C. 1990. "Container extends produce storage life." The Grower Magazine. May: 46-47.
- Magee, C., J. Carter, and C. Johnson, Jr. 1990. "A 'water-drip container for pre-cooling, shipping, and storing fruits and vegetables." Abstracts of the ASHS Southern Region. 50th Annual Meeting, p. 860, February 3-6, Little Rock, AR.
- Magee, C. 1989. Patent Number: 4,845. Fruits and Vegetables Pre-cooling, Shipping, and Storage Container. United States Patent Office, July 11.
- Magee, C. 1989. "Why black Americans should pursue careers in the agricultural sciences." Presented at the 1989 Black History Program co-sponsored by the National Agricultural Library and the Beltsville Agricultural Research Center of the Agricultural Research Service (ARS), February 2, 1989. Agricultural Libraries Information Notes, Volume 15, April 1989, U. S. Department of Agriculture, Beltsville, MD.
- Magee, C. 1988. "The life of a sweet potato." Play, presented during Annual Career Day Program of the School of Agriculture, Home Economics and Allied Programs, March, Fort Valley State University, Fort Valley, GA.
- Magee, C. 1987. "Leafy vegetable storage in an ice-walled container." Presented as paper 87-6001, Summer Meeting of the American Society of Agricultural Engineers, June, Baltimore, MD.
- Magee, C. 1986. "The Georgia Goat Research and Extension Center." Proceedings: Dairy Goats: A Short Course on Health Care and Dairy Management. The University of Georgia, College of Agriculture, Cooperative Extension Service, December 13, VII-VII-7.
- Magee, C., R. Sagi, N. R. Scott, and R. S. Gates. 1984. "Bacterial transport within and among various teatcup and cluster assemblies during milking." Journal of Dairy Science 67(9): 2034-2040.
- Magee, C. and N. R. Scott. 1981. "A comparison of three milking units." Presented as paper 81-3544, Winter Meeting of the American Society of Agricultural Engineers, December, Chicago, IL.
- Magee, C. 1980. A Comparison of Three Milking Units in Terms of Milking Performance and Influence on Organism Transport. Unpublished Ph.D. thesis, Cornell University, Ithaca, NY.
- Jordan, K. A., B. K. Huang, and C. Magee. 1975. "ECAP in agricultural engineering teaching and research." Transaction of ASAE 18(3): 596-600.

Magee, C. and K. A. Jordan. 1976. "Determination of heat production of active growing turkeys by indirect calorimetry." Presented as paper 76-4507, Winter Meeting of the American Society of Agricultural Engineers, December, Chicago, IL.

Magee, C. 1973. Determination of Heat Production of Active Growing Turkeys by Indirect Calorimetry. Unpublished M.S. thesis, University of Minnesota, St. Paul, MN.

SELECTED SPEECHES AND ADDRESSES

Magee, C. 2012. Young Farmers Association, Sylvester Georgia March 2nd

Magee, C. 2012. Fattah National Conference on Higher Education 23rd Annual Graduate Opportunities Conference, February 17th -19th

Magee, C. 1994. "Maintaining a Strong MANRRS Chapter." Presentation made to Auburn University's MANRRS Chapter, Auburn University, Auburn, AL, October 12.

Magee, C. 1994. "Black Empowerment and Entrepreneurship." Presentation on the "Mission Uplift Hour" on WAOK Radio, Atlanta, GA, September 28.

Magee, C. 1992. "Industry moving toward the future through diversity." Speech given May 13, 1992 to the minority student organization at Georgia Southwestern College, Americus, Georgia.

Magee, C. 1991. "Moving toward the future through diversity." Speech given May 10, 1991 at the Second Annual Banquet of Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS), sponsored by the Ohio State University Chapter, Columbus, Ohio.

Magee, C. 1991. "Diversity: The key to excellence." Welcome address given April 5, 1991 at the Sixth Annual Conference and Career Fair of Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS), Gainesville, Florida.

Magee, C. 1991. "Learning from the past, building on the present, preparing for the future." Speech given January 25, 1991 at the Regional Conference of Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS), sponsored by Alcorn State University, Lorman, Mississippi.

Magee, C. 1989. "Why black Americans should pursue careers in the agricultural sciences." Speech given at the 1989 Black History program cosponsored by the National Agricultural Library and the Beltsville Agricultural Research Service (ARS) on February 2, 1989. Beltsville, Maryland.

COMMITTEES

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|----------------|---|
| 2011 - Present | Member, College of Agriculture and Food Sciences Leadership Team |
| 2011 – Present | Member, Florida A&M University Faculty Senate Steering Committee |
| 2009 – Present | Member, Florida A&M University Faculty Senate |
| 2006 – Present | Chair, Florida A&M University's College of Engineering Sciences, Technology and Agriculture (CESTA) Scholarship Committee |
| 2006 – Present | Chair, Florida A&M University's College of Engineering Sciences, Technology and Agriculture (CESTA) Scholarship Committee |
| 2004 – 2008 | Member, Cornell University's Biological and Environmental Engineering Advisory Board |
| 2006 – 2008 | Chair, College of Engineering Sciences, Technology and Agriculture Recruitment Committee |
| 2004 - 2006 | Member, Legislative Budget Committee, 1890 Association of Research Directors |
| 2003 - 2006 | Member, Council of Academic Deans, Florida A&M University |
| 2002 - 2003 | Member, University Sabbatical Leave Committee, Florida A&M University |

- 1999-2001 Member, University Curriculum Committee, Florida A&M University
- 1999-2001 Chair, College of Engineering Sciences, Technology and Agriculture Curriculum Committee, Florida A&M University
- 1997 Member, College of Engineering Sciences, Technology and Agriculture, Tenure and Promotion Committee, Florida A&M University
- 1997 Member, Search Committee for Dean of Graduate Studies, Florida A&M University
- 1996 Member, Professorial Excellent Program Committee, Florida A&M University
- 1995 Member, Southern Association of Colleges and Schools (SACS) Reaffirmation Team for Nicholls State University, Thibodaux, LA.
- 1994-1995 Member, Review Committee, Small Business Innovative Research Program (SBIR), USDA/CSRS
- 1994-present Member, Advisory Committee for Florida A&M University Biological and Agricultural Systems Engineering Degree Program
- 1994 Member, Search and Screen Committee for the Director of Admission and Enrollment, Fort Valley State University
- 1993-1995 Member, State of Georgia Food Processing Committee
- 1993-2000 Chair and member, Advisory Board for the National Society for Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS)
- 1992-1999 Member, Southern Association of Colleges and Schools, Commission on Colleges Visiting Committee
- 1992 Member, Search and Screen Committee for Vice President for Academic Affairs, Fort Valley State University
- 1991-1993 Member, Technical Committee, Southern Region Sustainable Agriculture Research and Education Program, United States Department of Agriculture (USDA)
- 1990 Member, Technical Committee, Low Input Sustainable Agriculture (LISA), USDA
- 1988 Member, Executive Advisory Board, Low Input Sustainable Agriculture, USDA
- 1989-1995 Chairman, Committee on Committees, Fort Valley State University
- 1989-1995 Member, Agricultural and Laboratory Animal Care and Use Committee, Fort Valley State University
- 1988-1991 Member, University System of Georgia Joint Committee on Agriculture
- 1988-1990 Representative, University System of Georgia Research Advisory Committee
- 1988-1989 Member, Committee on Committees, Fort Valley State University
- 1988-1989 Member, Proposal Review Team, Graduate Fellowship Program, USDA
- 1987 Member, Technical Committee, Low Input Sustainable Agriculture, USDA

PROFESSIONAL AFFILIATIONS

- 2004-Present Life Member, Florida A&M University National Alumni Association
- 2003- 2006 Member, 1890 Association of Extension Administrators
- 2003- 2006 Member, 1890 Association of Research Directors
- 2003- Present Member, University of Minnesota National Alumni Association
- 1997-2000 Member, National Organization of Professional Black NRCS Employees

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| 1995 | Member, The Southern Region of the American Society for Horticultural Science |
| 1993-present | Life Member, National FFA Alumni Association |
| 1991-present | Life Member, Alcorn State University Alumni Association |
| 1990-1991 | President, Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS) |
| 1989-1990 | President Elect, MANRRS |
| 1988-1990 | National Member, Association of 1890 Research Directors |
| 1988-1989 | Treasurer, Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS) |
| 1987-1995 | Member, Optimists International/Fort Valley Evening Optimist Club |
| 1986-1997 | Member, American Association for the Advancement of Science (AAAS) |
| 1986-present | Member, Minorities in Agriculture, Natural Resources, and Related Sciences (MANRRS) |
| 1982-1985 | Member, National Society of Black Engineers (NSBE) |
| 1979-present | Member, American Society of Agricultural and Biological Engineers (ASABE) |
| 1972-1979 | Member, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) |

AWARDS, HONORS, AND RECOGNITIONS

1. MANRRS Legend Award, 26th Annual Conference, Overland Park, Kansas, March 31-April 2, 2011
2. Plaque: In Recognition Of Exemplary Service to MANRRS as President, 1991. Presented at the 25th Anniversary Annual Conference of MANRRS, Orlando, FL
3. Certificate of Appreciation. Presented by the FAMU-FSU Chapter of The National Society of Black Engineers (NSBE), March 2009.
4. Plaque: In Recognition Of Exemplary Leadership rendered to the Association of 1890 Deans and Association of 1890 Research Directors CARD). Presented by ARD, June 10, 2008.
5. Certificate of Appreciation For Valuable Contributions to the success of FDA's Centennial Celebration. Presented by Florida District Director, U.S. Food and Drug Administration, May 25, 2006.
6. Distinguished Service Award as Interim Research Director at Florida A&M University (FAMU), 2003-2006. Presented by the Association of Research Directors CARD), June 24, 2006, Henderson, Nevada
7. Certificate of Appreciation Ag Discovery Summer Program. Presented by FAMU/CESTA, June 30, 2006.
8. Plaque for Excellent Service as Interim Dean for CESTA, 2003-2006. Presented by CESTA, 2006.
9. Plaque for outstanding Contribution to the Collegiate Community, New Mt. Zion A.M.E. Church, Tallahassee, FL, January 30, 2005.
10. Plaque for Family of the Year. Presented by Theta Chi Zeta Chapter, Inc. of Zeta Phi Beta Sorority, Inc., April 24, 2005.

11. Award of Administrative Excellence as Interim Dean of the College of Engineering Sciences, Technology and Agriculture (CESTA). Presented by the faculty, staff and students of CESTA, June 12, 2005, Tallahassee, Florida.
12. Certificate for Happy Boss's Day. Presented by CESTA's Recruiter, October 2005.
13. Certificate of Participation, 2004 and 2005 Faculty and Staff Scholarship Endowment Campaign. Presented by Florida A& University, 2005.
14. Certificate of Distinguished Visitor. Presented by the Miami-Dade County Office of the Mayor and Board of Commissioners, 2003.
15. Plaque for Participation in MANRRS Region II Workshop. Presented by University of Florida MANRRS Chapter, Gainesville, FL 2002.
16. Plaque of Thanks and Support. Presented by BASE Class of Spring 2002, May 2002..
17. Plaque for Dedicated Service and Leadership as MANRRS Advisory Committee Chair, 1992-1999. Presented by MANRRS, April 01, 2000.
18. Award of Leadership Recognition. Presented by the Association of Research Directors (ARD),Inc., April 21, 2000.
19. Certificate of Appreciation for participation in USDA, ARS, SAA Plant Genetic Resources Conservation Unit Griffin, Georgia Third Annual African American History Celebration. Presented by the University of Georgia, February 22, 1999.
20. Charter Member, Florida A&M University's Chapter of Gamma Sigma Delta, 1997
21. Participant, State University System (SUS) Institute for Academic Leadership (IAL) Department Chairpersons Workshop, June 9-12, 1996.
22. Certificate of Appreciation. Presented by the Faculty and Staff, School of Agriculture, Home Economics, and Allied Programs, FVSU, Fort Valley, Georgia, October 4,1995.
23. Plaque for "Dedication and Outstanding Leadership as Chair of the MANRRS Advisory Board," MANRRS, 1995
24. Honorary Member of MANRRS, 1993
25. Participant, Class 2 SAES Leadership Development Course: A Program of Professional Development, sponsored by the Experiment Station Committee on organization and Policy and the Cooperative State Research Service of the U. S. Department of Agriculture, 1992-93.
26. Certificate of Appreciation, Ohio State University MANRRS Chapter, 1991.
27. Plaque for "Outstanding Service as Acting Research Director," 1991.
28. Plaque of Appreciation. Presented by FVSU Summer Apprenticeship Students, 1990.
29. Certificate of Appreciation for outstanding service as Acting Research Director, October 1988 - August 1990. Presented by the School of Agriculture, Home Economics and Allied Programs, November 20, 1990.
30. Certificate of Appreciation. Presented by USDA National Needs Graduate Fellowships Program, May 25, 1988.
31. FVSC, Sigma Xi Scientific Research Society, 1988
32. Award for Service. Presented by the National Society of Black Engineers (NSBE), University of Arkansas- Fayetteville Chapter, Fayetteville, AR, 1984.
33. Plaque for Loyal Support in Leadership and Outstanding Character. Presented by St. James United Methodist Church, Fayetteville, Arkansas, May 13, 1984.
34. Gamma Sigma Delta, 1983
35. Outstanding Young Men of America, 1982.
36. Alpha Epsilon Society, 1971.