

## CURRICULUM VITAE

Richard L. Parish, PE

### Education:

University of Missouri	BSAE	1/67
University of Missouri	MSAE	1/68
University of Missouri	PhD	1/70

### Consulting Experience:

Independent consulting projects concurrent with university faculty employment. Cases have included:

Types of cases: patent infringement, personal injury, wrongful death, product liability, advertising claims, product performance, warnings

Products/fields involved: farm equipment, tractors, lawn and garden equipment, grounds maintenance equipment, forestry, chemical application equipment

Involvement in cases: investigation and consultation with attorneys, preparation of expert reports, preparation of exhibits, deposition and trial testimony

### Other Professional Experience:

<u>Employer</u>	<u>Position</u>	<u>Period of appt.</u>
Louisiana State University AgCenter	Professor	1988 - present
LSU AgCenter Sweet Potato Res. Station	Resident Director	1991 - 1992
Louisiana State University AgCenter	Associate Professor	1983 - 1988
O.M. Scott and Sons Company	Manager, Mech. R&D	1974 - 1983
University of Arkansas	Associate Professor	1973 - 1974
University of Arkansas	Assistant Professor	1969 - 1973
University of Missouri	NSF Fellow	1967 - 1969
Hesston Corporation	Engineer	summer 1967

### Registration:

Registered Professional Engineer (Ohio -- #E-040521)

### Office (at LSU):

Hammond Research Station  
21549 Old Covington Highway  
Hammond, LA 70403  
985-543-4125  
985-543-4124 (FAX)  
dparish@agctr.lsu.edu

### Home:

21135 Highway 16  
Amite, LA 70422  
985-748-7019  
985-748-3813 (FAX)  
rlp70422@aol.com

## **RESPONSIBILITIES WHILE EMPLOYED BY O. M. SCOTT AND SONS COMPANY**

Managed Mechanical Research and Development Department.

Responsible for all research, design, development, testing, and technical service for a product line with annual sales of up to \$10,000,000.

Provided mechanical engineering technical services for entire company.

Responsible for development of mechanical products for subsidiary company, W. Atlee Burpee.

Served as Project Manager for startup of new spreader manufacturing plant.

## **RESEARCH AREAS AT LOUISIANA STATE UNIVERSITY**

Current:

Production Engineering for Horticultural Crops (including research on granular application to turfgrass).

Completed:

Mechanization, cultural practices, and operating safety for commercial horticultural crops

Fertilizer and chemical application

Marshgrass transplanting

Sugarcane mechanization

Christmas tree mechanization

Crawfish harvesting

Minimum tillage

## **RESEARCH AREAS AT THE UNIVERSITY OF ARKANSAS**

Development of a cultural system for narrow-row cotton

Seedcotton handling using a module builder

## **AWARDS AND HONORS RECEIVED**

Doyle Chambers Award for Excellence in Research, Louisiana Agricultural Experiment Station, 2001

ITT Quality Award (presented to an average of one employee in 1500, worldwide) -- presented in recognition of work as project manager for startup of a new mechanical manufacturing facility, 1978.

O.M. Scott Research Directors' Award -- presented in recognition of work as project manager for startup of a new mechanical manufacturing facility, 1978.

O.M. Scott Patent Awards (2)

NSF Fellowship -- support for graduate study at the University of Missouri.

## **PUBLICATIONS**

Over 100 refereed publications and over 300 technical papers, trade journal articles, extension articles, etc.

Two U.S. Patents

## PROFESSIONAL AND SERVICE ACTIVITIES

Agricultural Missions Foundation - Director (1992-), Vice President (1998-99)

Consulting Editor (Machinery) - *Journal of Vegetable Crop Production* (1992-)

Associate Editor - *Transactions of ASAE* and *Applied Engineering in Agriculture* (1998-2003)

American Society of Agricultural Engineers -- Committees

E-1, Program Committee (1986-87)

T-2, Agricultural Safety Committee (1992-1994)

T-15, Ergonomics, Safety, and Health Committee (1994-)

PM-02, Power and Machinery Division Steering Committee (1983-84, 1985-87, 1994-95)

PM-04, Power and Machinery Division Publications Committee (1998-2003)

PM-06, Power and Machinery Division Technical Coordinating Committee (1982-83, 1994-95)

PM-07, Power and Machinery Division Program Committee (1981-82, 1984-87, 1989-91), Chairman (1986-87)

PM-41, Agricultural Pest Control and Fertilizer Application Committee (1975-84, 1985-88, 2001-2004), Chairman (1982-83), Chairman Fertilizer Appl. Subcommittee (1978-80, 1996-2000),

PM-42, Cultural Practices Equipment Committee (1986-97, 2002-2005), Program Chairman (1989-1991), Vice Chairman (1993-1994), Chairman (1994-1995)

PM-48, Fruit and Vegetable Production Engineering Committee (1985-88, 1989-1993, 1997-2005), Vice Chairman (1997-1999), Chairman (1999-2001)

PM-54, Mechanization of Agricultural Research Committee (1979-82)

PM-58, Agricultural Equipment Automation Committee (1970-73)

PM-59, Nursery and Greenhouse Mechanization Committee (1977-84, 1988-1991)

### Development of ASAE Standard

Coauthor of ASAE Standard S341.2, Procedure for Measuring Distribution Uniformity and Calibrating Granular Broadcast Spreaders. Sole author of most recent revision of this standard (S341.3).

American Society for Horticultural Science

Southern Region, American Society for Horticultural Science

Chairman, Vegetable Section (1997)

Southern Regional Information Exchange Group on Fruit and Vegetable Mechanization, Vice Chairman (1989-1990), Chairman (1990-1991)

Louisiana Vegetable Growers Association

Louisiana Turfgrass Association

## **COURSES DEVELOPED AND/OR TAUGHT AT LSU**

### Agricultural Engineering Courses -- College of Engineering

AGE 1248 Production Machinery in Agriculture. General introductory course covering all areas of agricultural engineering.

AGE 1249 Introduction to Agricultural Engineering Design. Developed completely new course based on personal experience in industry. This course offered an introduction to engineering design tools, then provided an opportunity for students to study practical design considerations and carry out a major individual design problem. Developed all materials for this course.

AGE 3104 Proseminar. Senior course for agricultural engineering and agricultural mechanization majors. Emphasis on preparing term papers. Developed new section on engineering law--patents, product liability.

BAE 4190 Senior Engineering Design. Senior capstone design course. Developed entirely new course materials based on my experience in industry.

AGE 7305 Advanced Power and Machinery. Developed completely new course emphasizing practical machine design considerations in industry. Introduced new concepts such as plastics part design, value engineering, cost analysis, and product liability. Provided practical individual and group problems in all areas studied. Based course on personal experience managing product development department in industry.

### Agricultural Mechanization Courses -- College of Agriculture

AGM 2094, IAT 2094, BAE 2294 Agricultural Chemical Application. Completely revised this course and developed all new lecture notes, homework problems, tests, visual aids, etc. with increased emphasis on granular application and horticultural application. Introduced significant new material based on experience in ag chemical industry and ASAE chemical application committee contacts.

AGM 2066, IAT 2066 Agricultural Field Machinery. Course in basic field machinery with emphasis on selection and management. Developed new course materials including visual aids, handouts, and printed class notes.

AGM 3083 Farm and Power Equipment Sales and Service. Course in management of agricultural, industrial, and lawn and garden equipment dealerships. Includes overall dealership management as well as parts, sales and service management. Developed all course materials including lecture notes, visual aids, homework, tests, handouts. Revised course content to reflect personal experience in farm equipment retailing and manufacturing.