

**BIOGRAPHICAL RÉSUMÉ**  
of  
**BOBBY RAY PHILLS**

**BUSINESS ADDRESS**

Center for Viticulture and Small  
Fruit Research  
College of Engineering Sciences,  
Technology and Agriculture  
6505 Mahan Drive  
Tallahassee, FL 32317  
Telephone: (850) 599-8685  
FAX: (850) 561-2617

**HOME ADDRESS**

2158 Chaires Cross Road  
Tallahassee, FL 32311  
Telephone: (850) 668-6950  
Fax: (850) 878-0590  
Cell: (850-528-4616)  
EMAIL: bphills@email.msn.com

**SYNOPSIS OF MAJOR STRENGTHS  
AND ACCOMPLISHMENTS**

**MANAGEMENT AND ADMINISTRATION**

- M Twenty-Six years of post-graduate professional work experience including twenty years of Research and Technology Development Program administration, eighteen years of Academic Program administration and six years of Cooperative Extension and Outreach Program administration.
- M Interviewed for the ninth president of Florida A&M University by the FAMU Board of Trustees. April 2002.
- M Participated in the inaugural "On The Road To The Presidency - Executive Leadership Summit," featuring the "Harvey Leadership Model" developed by Dr. William R. Harvey, President, Hampton University.
- M Advocate of team-oriented decentralized management: having established executive, administrative, staff, student and external advisory councils to insure maximum and consistent input and knowledge of interworkings of the college administration. Appointed associative deans, directors and program leaders and charged them with day-to-day administration of their respective organizational units; established college-wide seminars, brown bag luncheons, monthly college-wide coffee breaks, fall cookout and spring and summer picnics as well as an annual awards and recognition banquet in conjunction with the college career fair, and convocations every semester for the purpose of keeping the college informed of various administrative and programmatic decisions and activities occurring in the college while encouraging input at all levels.
- M Established record of successful financial management and grantsmanship involving state, federal and private sector funds, with management and oversight responsibility at the Dean and Research Director

## ***Biographical Resume'***

### ***Bobby R. Phills***

level across three 1890 Land-grant institutions accountable for funds totaling more than \$184 million; and \$17 million procured in personal grants, contracts and donations over the past 26 years.

As chair of the Council of 1890 Presidents and Chancellors Legislative and Budget Committee, provided leadership for sustaining and increasing the four 1890 USDA budget accounts, totaling approximately \$75 million annually.

## **LAND-GRANT PROGRAM IMPLEMENTATION**

Excellent understanding of, and commitment to, the tripartite land-grant mission of teaching, research and extension/outreach and public service. Work nationally to strengthen and advance the role, scope and mission of land-grant universities in general and 1890 land-grant universities specifically.

### ***Academic Programs***

! Excellent understanding of, and commitment to, the tripartite land-grant mission of teaching, research and extension/outreach and public service. Work nationally to strengthen and advance the role, scope and mission of land-grant universities in general and 1890 land-grant universities specifically.

! Proven ability to increase college enrollment (particularly high academic achievers) by successfully marketing college programs to potential students, parents, alumni groups, stakeholders, etc., and obtaining financial support for scholarships and assistantships from federal agencies, corporate sponsors, private industries and alumni.

### ***Research and Technology Development***

### ***Extension and Outreach (Public Service)***

### ***International Programs***

! Considerable international experience through international project participation and policy development via membership on the USAID Research Advisory Council, and International Agricultural Programs Advisory Councils at Tuskegee University, Southern University and Florida A&M University, and currently on the National Academy Board on Agriculture and Natural Resources.

## **LEADERSHIP**

### ***Legislative & Budget Advocacy***

! An established record of leadership in state and federal legislative and budget advocacy for issues impacting the land-grant community: provided congressional testimony on the 1985, 1990, 1998 and 2002 Food Security Act (Farm Bill); chairs the Legislative and Budget Committee for the Council of 1890 Presidents and Chancellors; and works collaboratively work with the US Office of Management and Budget (OMB), state and congressional members, NASULGC Board on Agriculture, USDA, and other federal and state partners leading to the successful passage of numerous policy bills which positively impact the land-grant community and the clientele it serves. Such efforts led to the passage of the USDA National Research Initiative (NRI); 1890 Capacity Building, and Facilities Grant Programs; Socially Disadvantage Small Farms Initiative; Graduate Fellowship Program; Challenge Grant Program; and numerous other funding programs that currently provide billions of dollars in

***Biographical Resume'***  
***Bobby R. Phills***

annual appropriations to the total land-grant community for continued work in sustaining and enhancing higher education, research, extension/outreach, and international programs.

***Boards, Commissions, Councils, and Committees***

Ⓜ Membership on several national boards, councils and committees, including chair and vice-chair of several.

**SERVICE TO COUNTRY**

Ⓜ Served with honor and distinction in the United States Army, including a 13-month tour of duty in South Vietnam.

Ⓜ Served for six years in the US Army Reserve following active military service.

**EDUCATION**

Cornell University, Ithaca, New York. Post Doctoral Fellowship sponsored by Cornell University and The Rockefeller Foundation, August 1975 - August 1976. Area of Concentration - Plant Breeding and Genetics/Vegetable Crops.

Louisiana State University, Baton Rouge, Louisiana. Received Ph.D. Degree in August 1975. Area of Concentration - Horticulture/Plant Breeding.

Louisiana State University, Baton Rouge, Louisiana. Received M.S. Degree in May 1972. Area of Concentration - Horticulture/Vegetable Crops.

Southern University and A&M College, Baton Rouge, Louisiana. Received B.S. Degree in May 1968. Area of Concentration - Horticulture.

**PROFESSIONAL AND OTHER EXPERIENCES**

**Program Director of Science Center and Professor**, College of Engineering Sciences, Technology and Agriculture. (Note: Center is a USDA-ARS permanently funded center between the College of Engineering Sciences, Technology and Agriculture and the College of Arts and Sciences designed to trained future scientists at the graduate level for employment in USDA). August 2003 to Present.

**Dean and Director, Land-Grant Programs**, College of Engineering Sciences, Technology and

***Biographical Resume'***  
***Bobby R. Phills***

Agriculture, Florida A&M University. July 1997 to August 2003.

**Dean and Research Director**, College of Agricultural, Family and Consumer Sciences, Southern University and A&M College. January 1987 to July 1997.

**Dean and Research Director**, College of Agriculture and Home Economics, Southern University and A&M College. July 1986 to January 1987.

**Director, Small Farm and Family Resource Development Center**, Southern University and A&M College. February 1989 to July 1995.

**Dean and Research Director, College of Agriculture**, Southern University and A&M College, Baton Rouge, LA. July 1985 to July 1986.

**Professor**, Plant and Soil Sciences Department, Southern University and A&M College, Baton Rouge, LA. July 1985 to 1997.

**Adjunct Professor**, College of Agriculture and Life Sciences, Cornell University, Ithaca, New York. September 1985 to 1990.

**Director, George Washington Carver Agricultural Experiment Station**, Tuskegee University, Tuskegee, Alabama, December, 1982 to July 1985.

**Associate Director**, The Carver Research Foundation of Tuskegee University, Tuskegee, Alabama. December 1982 to July 1985.

**Professor**, Plant and Soil Sciences, and **Associate Director**, Small Farm Programs, Tuskegee University, Tuskegee, Alabama. July 1981 to December 1982.

**Associate Professor**, Plant and Soil Sciences, Tuskegee University, Tuskegee Alabama. March 1979 to July 1981.

**Assistant Professor**, Plant and Soil Sciences, Tuskegee University, Tuskegee Alabama. August 1976 to March 1979.

**Research Associate**, Cornell University, Ithaca, New York and New York Agricultural Experiment Station, Geneva, New York. August 1975 to August 1976.

***Biographical Resume'***  
***Bobby R. Phills***

**Graduate Assistant**, Louisiana State University, Baton Rouge, Louisiana. Graduate work for Masters and Doctorate degrees. September 1970 to August 1975.

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS  
AND SOCIETIES**

Agricultural Research Institute (ARI)  
Alpha Phi Alpha Fraternity, Inc., (Beta Iota Lambda Chapter)  
American Society for Horticultural Science (ASHS)  
Association of 1890 Agricultural Administrators (AAA)  
Association of Extension Administrators (AEA)  
Association of Research Directors (ARD) (Past Chairman)  
Beta Kappa Chi National Scientific Honor Society  
Council of 1890 Deans and Directors (Past Chairman)  
National Association of State Land-grant Colleges and Universities (NASULGC)  
NASULGC Administrative Heads Section (AHS)  
NASULGC Academic Programs Committee on Organization and Policy (ACOP)  
Sigma Xi Scientific Society of North America

**MEMBERSHIP ON SELECTED STATE, REGIONAL, AND  
NATIONAL COMMITTEES, COUNCILS, AND BOARDS**

1890 Presidents and Chancellors' Legislative and Budget Committee, **Chair**, 2000-Present  
1890 Corporate/Congressional Legislative Think-Tank, **Chair**, 2001-2002  
1890 Emerging Leadership Development Program Committee, **Chair**, 2000-2002  
ARD's Legislative and Budget Committee, **Chair**, 1999-2003  
Biotechnology Advisory Council, Member, 2000-2002  
Bobby Phills Educational Awareness Foundation, Inc Board of Directors, **Pres & CEO**. 2000-Present

***Biographical Resume'***  
***Bobby R. Phills***

Florida A&M University National Alumni Association, Leon County Chapter, Assoc. Member  
NASULGC, Council for Food and Agriculture Research (CFERR), **Vice Chair**, 2001-2002  
NASULGC, Food and Society Initiative, Member, 2000-2002  
NASULGC, Board On Agriculture Budget Committee, Member, 1999-Present  
NASULGC, Farm Bill Rewrite Committee and Subcommittee, Member, 2001-Present  
Tallahassee Urban League Board of Directors, Member, 2001-Present  
The Florida Farm Foundation, Inc. Board of Directors, Member, 2001-Present  
USDA/1890 Task Force Executive Team, **Past Co-Chair**, Member-Present  
USDA Forestry Research Advisory Council, Member, 2000-Present  
USDA National Agricultural Statistics Service Advisory Council, Member, 2000-Present  
NAS Board on Agriculture and Natural Resources, Member & on **Exec. Committee**, 2003- Present

**PREVIOUS MEMBERSHIP ON SELECTED  
STATE, REGIONAL AND NATIONAL COMMITTEES**

ASHS Southern Region Collegiate Branch, **Faculty Advisor**.1981 - 1982  
ASHS Southern Region Nominations Committee. 1982 - 1983  
ASHS Southern Region Education Committee, **Chair**.1985 - 1986  
ASHS Southern Region L. M. Ware Outstanding Teacher Awards Committee,  
**Chairman**, 1985 - 1986  
ARD's Long-Range Planning Committee, **Chair**.1986 - 1990  
Board of Director of the Alligator Board, Member. 1986 - 1997  
SCS/1890 Symposium Committee, **Co-Chair**. 1987  
ARD's Ninth Bi-Annual Research Symposium Committee, **Chair**. 1987  
ARD's Small-Scale Agriculture Committee, **Chair**.1987 - 1988  
US/AID Research Advisory Committee - 1988-1992  
Louisiana-Nigerian Agriculture Commission.1988-1995  
NASULGC, Division of Agriculture Legislative Committee.1988-1992  
NASULGC, Program Planning Committee. 1989  
NASULGC, Board of Directors, Division of Agriculture.1989 - 1990  
National 1890 Centennial Committee, **Chair**. 1989-1990  
ESCOP Budget and Legislative Committees.1989  
ESCOP Board of Directors.1989 - 1990  
USDA, Joint Council on Food and Agricultural Sciences.1990-1992  
Louisiana Board of Regents Task Force on Agriculture.1991

***Biographical Resume'***  
***Bobby R. Phills***

ARD's Human Capital Development Committee, **Chair**.1992 - 1996  
Board of Directors of Baton Rouge Green, Member.1993 - 1996  
Lower Delta Nutrition Initiative Steering Committee, Member.1995 - 1997  
National Urban Forestry Task Force on Minority Recruitment, Member.1995 - 1996  
Southern Agriculture Dean's Council, **Chair**.1995, Member 1985 - 2003

**MEMBERSHIP ON SELECTED  
UNIVERSITY COMMITTEES/COUNCILS**

Tuskegee Institute-Carver Research Foundation Administrative Council, **Assoc. Dir.** 1982-1985  
Southern University (SU) Council of Academic Deans and Directors. 1985-1997  
SU International Programs Advisory Council. 1985- 1997  
SU University Animal Health Committee. 1985-1997  
SU BAYOU Program Coordinating Committee. 1986-1997  
SU College of Agriculture and Home Economics Advisory Council, **Exec. Sec.** 1986 -1997  
SU College of Agriculture and Home Economics Recruitment Committee. 1986-1997  
SU Campus wide Centennial Committee, **Chair**. 1989-1990  
SU University Research Council. 1992 - 1997  
FAMU/CESTA Executive Council, **Chair**. 1997-2003  
FAMU Council of Academic Deans and Directors. 1997-2003  
FAMU Technology Transfer Advisory Council.1997- Present  
FAMU Health and Medical Disparities Committee. 2002-Present

**INTERNATIONAL EXPERIENCES**

South Vietnam, Southeast Asia - Assisted in curtailing the spread of communism,  
US Army Flight Operations Coordinator. 1969 - 1970  
Toronto, Canada - Attended Tomato Breeders Roundtable and Tomato Genetics  
Cooperative Meeting. 1976  
Guyana, South America - Baseline Study on Agricultural Research, Teaching

***Biographical Resume'***  
***Bobby R. Phills***

and Extension Programs, **Research Team Leader**. 1979  
Kenya, East Africa - Review of Agricultural and Teaching Program at University of  
Nairobi for possible collaboration, **Team Leader**. 1984  
Rwanda, East Africa - Africare Refugee Agriculture Project Review, **Team Leader**. 1984  
Somalia, East Africa - Refugee Agriculture Self Reliance Project Design Study,  
**Team Leader**. 1984  
VanCouver, British Columbia-Canada - Attended the ASHS Annual Meeting. 1984  
Nigeria, Africa - Nigerian/Louisiana Agricultural Development Evaluation Team. 1988  
Ghana, West Africa - University Linkage Exploration, **Team Leader**. 1992  
Jamaican/Carribbean University Linkage Exploration, **Team Leader**. 1999  
Sandals/Beaches Resorts Employee and Student Training Programs Team. 1999

**PROFESSIONAL AWARDS,  
HONORS AND RECOGNITIOONS**

American Men and Women of Science (14th Edition).  
Tuskegee Institute Outstanding Faculty of the Year Award  
(Departmental and School Selectee. 1979 and 1980).  
Esquire Register - Outstanding Man of the Year Nominee. 1985  
Tuskegee Institute Chapter, Professional Secretaries International (PSI)  
Executive of the Year Nominee. 1985  
Association of Research Director's Outstanding Leadership Award. 1990  
USDA/1890 Task Force Executive Team Appreciation Award. 1991  
USAID Research Committee Appreciation Award. 1992  
Council of 1890 Deans and Directors Outstanding Leadership Award. 1994  
NASULGC Outstanding Leadership Award. 1994  
Louisiana FFA Association Honorary State FFA Degree. 1995  
Louisiana Arborists Association Recognition Award. 1995  
Southern University Academic Leadership Award. 1995  
USDA Award for Superior Service. 1996  
USDA/CSREES Outstanding Service Award. 1996  
Louisiana Food & Agriculture Council Outstanding Leadership Award. 1997  
Southern Development Foundation Appreciation Award. 1997  
Southern University Board of Supervisors Excellence Award. 1997  
FAMU Chapter/American Society of Civil Engineers Leadership Award. 1998  
FAMU/MANRRS Chapter Outstanding Service Award. 1998  
FAMU/CESTA Distinguished Service Award. 2002  
USDA Honors Committee Outstanding Service Award. 1998  
Naval ROTC Support Appreciation Award. 1999

***Biographical Resume'***  
***Bobby R. Phills***

Association of Research Directors Leadership Recognition Award. 2000  
Florida Grape Growers Association Appreciation Award. 2000  
NASULGC/ACOP Outstanding Service Recognition Award. 2000  
USDA/1890 National Scholars Program Appreciation Award. 2000  
USS George Washington (CVN 73) Honorary Tailhooker Award. 2000

**PUBLICATIONS**  
**Refereed and Non-Refereed\***

- \* Phills, B.R. and T.P. Hernandez, 1972. Effect of ethephon, temperatures, water submerged roots and cultivars on sweet potato plant production. Thesis: Louisiana State University.
  - \* Phills, B.R. and T.P. Hernandez. 1975. The combining ability in F<sub>1</sub> hybrids of tomato, *Lycopersicon esculentum*, Mill. Dissertation: Louisiana State University.
  - \* Phills, B.R., R. Providenti and R.W. Robinson. 1977. Reaction of *Solanum lycopersicoides* to virus diseases of the tomato. Tomato Genetics Cooperative No. 28.
  - \* Phills, B.R., R.W. Robinson and J.W. Shail. 1977. The evaluation of *Solanum lycopersicoides* for resistance to fungal diseases and nematodes. Tomato Genetics Cooperative No. 28.
  - \* Robinson, R.W. and B.R. Phills. 1977. *Solanum lycopersicoides*: A source of tolerance to low temperatures. Tomato Genetics Cooperative No. 28.
- Whatley, B.T. and B.R. Phills. 1977. 'Rojo Blanco' Sweet Potato. HortScience 12(3):266.
- Whatley, B.T. and B.R. Phills. 1977. 'Carver' Sweet Potato. HortScience 12(3):266.
- Alvarez, M.N., B.T. Whatley, J.H.M. Henderson and B.R. Phills. 1978. Effect of Polaris on yield, dry matter, and soluble solids of sweet potato roots. J. Amer. Soc. Hort. Sci. 103(2):206-207.
- \* Phills, B.R. and R.W. Robinson. 1978. Flowering of *Solanum lycopersicoides* and its hybrid with the tomato. Tomato Genetics Cooperative No. 29.
  - \* Robinson, R.W. and B.R. Phills. 1979. Overcoming sterility in an intergeneric hybrid. Tomato Genetics Cooperative No. 29.

***Biographical Resume'***  
***Bobby R. Phills***

Phills, B.R., N.H. Peck, G.E. MacDonald and R.W. Robinson. 1979. Differential response of *Lycopersicon* and *Solanum* species to salinity. J. Amer. Soc. Hort. Sci. 104(3):349-352.

Bonsi, C.K. and B.R. Phills. 1979. Reaction of twelve sweet potato cultivars and breeding lines of two root-knot species with three experimental methods. HortScience 14(4):539-541.

Quamina, J.E., W.A. Hill and B.R. Phills. 1981. Comparative development of vine cuttings and rotted tuber sprouts from Yam (*Dioscorea alata* L<sub>2</sub>). HortScience 16(6):777-778.

Quamina, J.E., B.R. Phills and W.A. Hill. 1981. Vine Production from tuber pieces of various sizes and sections of Yam (*Dioscorea alata* L.). HortScience 17(1):73.

Henderson, J.H.M., B.R. Phills and B.T. Whatley. 1984. The growth and culture of *Ipomoea batatas* L.: The Sweet Potato In Tissue Culture - Possible Use in Crop Improvement. Vol. 2, First Ed. Academic Press.

Pace, R.D., G.G. Dull and B.R. Phills. 1985. Proximate composition of sweet potato greens in relation to cultivar, harvest date, crop year and processing. J. Food Science. Vol. 50:537-538.

Pace, R.D., G.G. Dull, T.E. Sibiya and B.R. Phills. 1985. Ca, Fe, and Zn content of 'Jewel' sweet potato greens affected by harvesting practices. J. Food Science.

Pace, R.D., G.G. Dull and B.R. Phills. 1985. Vitamin and mineral content of sweet potato greens in relation to cultivar, harvest date, crop year and processing. J. Food Science.

Phills, B.R. and Conrad Bonsi. 1988. Sweet Potato. World Book Encyclopedia.

Phills, B.R. and Conrad Bonsi. 1988. Yam. World Book Encyclopedia.

Phills, B. R. 1992 - Southern University's Urban Forestry Program: History, Structure, Accomplishments and Visions. Proceeding of the Society of American Foresters.

- \* Phills, B.R. 1990. A People and A Sprit Serving the Nations of the World: 1890 Land-Grant History Document. Wrote Preface and Southern University and A&M College Section.
- \* Phills, B.R. 1999. A Historical Prospective of the Evolution of 1890 Universities.

**Biographical Resume'**  
**Bobby R. Phills**

**PRESENTATIONS AT  
PROFESSIONAL MEETINGS**

- Phills, B.R. and T.P. Hernandez. 1972. Effect of ethephon (2-chlorethyl phosphoric acid), temperature, water submerged roots, cultivars, and cutting versus pulling plants on sweet potato production. Seventeen Annual Proceedings of the Association of Southern Agricultural Workers, Inc.
- Phills, B.R. and T.P. Hernandez. 1975. Combining ability in F1 hybrids, *Lycopersicon esculentum*. HortScience 10(2):149.
- Allen, Brenda M. and Bobby R. Phills. 1979. Evaluation of sweet potato cultivars and advanced breeding lines for desirable plant production with special emphasis on seed-piece propagation. HortScience 14(2):124.
- Phills, Bobby R. and Brenda M. Allen. 1979. Evaluation of selected sweet potato cultivars for seed-piece propagation. HortScience 14(2):124.
- Paul, Clifton and Bobby R. Phills. 1979. The effect of age of transplants and fertilizer levels on yield and quality of tomatoes (*Lycopersicon esculentum*). HortScience 14(2):121. **This paper won first place in campus wide graduate student competition.**
- Richards, Marie A., Bobby R. Phills and Walter A. Hill. 1979. Evaluation of *Lycopersicon* species for drought tolerance. HortScience 14(2):121. **This paper won first place in campus wide undergraduate student competition.**
- Wilson, Ervin G., Bobby R. Phills and Walter A. Hill. 1979. Effect of NPK fertilizers on 'Carver' sweet potato (*Ipomoea batatas L.*) in Southeast Alabama. HortScience 14(2):124.
- Fearon, C.G., W.A. Hill, L.G. Ogiste and B.R. Phills. 1980. Response of sweet potato to isobutylidene diurea N-fertilizer under mulched and nonmulched conditions. Tech. Papers South Assoc. Agr. Sci. No. 7.
- Graham, L., W.A. Hill and B.R. Phills. 1980. Root associated N<sub>2</sub> of sweet potato and tomato. HortScience 15.
- Jones, L., W.A. Hill and B.R. Phills. 1980. Effect of drip irrigation and time of N<sub>15</sub> depleted NH<sub>4</sub>NO<sub>3</sub> application on growth and fertilizer N uptake of tomato. HortScience 15.

***Biographical Resume'***  
***Bobby R. Phills***

- Ogbugwo, J.O.A. and B.R. Phills. 1980. Some chemical changes occurring during fruit maturation in four tomato cultivars. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute.
- Ogiste, L.G., W.A. Hill, C.G. Fearon and B.R. Phills. 1980. Response of sweet potato to isobutylidene diurea N fertilizer under mulched and nonmulched conditions. Tech. Papers South Assoc. Agri. Sci. No. 7.
- Quamina, J.E., W.A. Hill and B.R. Phills. 1980. Effect of seed-piece size and section on number and vigor of yam sprouts. HortScience 15.
- Quamina, J.E., W.A. Hill and B.R. Phills. 1980. The production and comparative development of vine cuttings and rooted sprouts from yam tubers (*Dioscorea alata L.*). HortScience 15. **This paper won 2nd place in competition at the National ASHS Convention.**
- Uwaifo, E., B.R. Phills and W.A. Hill. 1980. Foliar fertilization vs. nonfoliar fertilization on tomato yield and quality. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute.
- Phills, B.R., V. Khan and B.R. Whatley. 1980. Preliminary studies on changes in sweet potato dry matter at different harvest intervals. Proceedings of the First Annual George Washington Carver Conference on Food Production and Nutrition. University of Maryland-Eastern Shore.
- Barker, W.A. and B.R. Phills. 1981. Effect of plant density on selected growth parameters of rootpiece propagated sweet potatoes. HortScience 16(3):288.
- Bryant, H.M. and B.R. Phills. 1981. Differential response of sweet potato cultivars to rootpiece propagation using three fungicides. HortScience 16(3):288.
- Crawford, G.I. and B.R. Phills. 1981. Effect of rootpiece size on sprouting decay and yield of sweet potato. HortScience. 16(3):288. **This paper won 3rd place in the local Sigma Xi-MBRS Student Research Symposium.**
- Khan, V.A. and B.R. Phills. 1981. Using BASIC programming techniques for progeny selection and evaluation under the pedigree method of breeding. HortScience 16(3):284.
- Moore, Edward and Bobby R. Phills. 1981. A rapid method for screening sweet potato cultivars for drought tolerance. HortScience. 16(3):288. **This paper won 2nd place in undergraduate Edmond Award competition at the Southern Regional Convention of ASHS.**
- Phills, B.R. and V.A. Khan. 1981. Percent dry matter of sweet potato as a function of stage of growth.

***Biographical Resume'***  
***Bobby R. Phills***

HortScience 16(3):288.

Stevens, C. and B.R. Phills. 1981. Evaluation of sweet potato breeding lines for resistance to fusarium wilt. Alabama Council on Higher Education's Sixth Annual Science Symposium.

Phills, B.R. and C. Stevens. 1981. Sweet potato breeding and production at Tuskegee Institute. In 1981 Biennial Report of Vegetable Breeding in the Southern United States, Hawaii and Puerto Rico. U.S. Vegetable Laboratory, USDA/ARS.

Bryant, H.M. and B.R. Phills. 1982. Greenhouse and field evaluations of selected fungicides on rootpiece propagated sweet potatoes. HortScience 18.

Khan, V.A. and B.R. Phills. 1982. Differential response among five sweet potato cultivars selected for 0, 1, 2, and 3 storage roots. HortScience 18.

Morant, M., J.R. Allen and B.R. Phills. 1982. Effect of root-knot nematode population on nodulation, nitrogen fixation and yield of southern pea. HortScience 18.

Phills, B.R., T.P. Blakley, J. McGee and R. Pace. 1982. Sweet potato foliage removal and its effect on drought stress, growth and yield. HortScience 18.

Price, C. and B.R. Phills. 1982. Reaction of resistant and susceptible tomato cultivars to root-knot nematode infestation. HortScience 18.

Satar, A. and B.R. Phills. 1982. Effect of root-knot nematode infestation on growth and development of sweet potato. HortScience 18.

Bandeled, O., B.T. Whatley and B.R. Phills. 1982. Effect of honey bee pollination on yield of southern peas. Sigma Xi-MBRS Student Research Symposium. Tuskegee Institute.

Barker, W. and B.R. Phills. 1982. Correlation of plant density on selected growth parameters of rootpiece propagated sweet potatoes. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute.

Bryant, H.M. and B.R. Phills. 1982. Effect of Busan 30A, Clorox and Mertect-Botran on prevention of rootpiece in sweet potato. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute.

Khan, V.A. and B.R. Phills. 1982. Using number of storage roots in seedling stage as a selection index for yield and earliness of sweet potato (*Ipomoea Batatas L.*). Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute.

***Biographical Resume'***  
***Bobby R. Phills***

Price, C. and B.R. Phills. 1982. Differential response of selected tomato cultivars when grown in root-knot nematode infested soils. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute. **This paper won 1st place in graduate student competition.**

Satar, A. and B.R. Phills. 1982. Reaction of resistance and susceptible sweet potato cultivars to root-knot nematode infestation. Sigma Xi-MBRS Student Research Symposium, Tuskegee Institute. **This paper won 1st place in undergraduate student competition.**

Springer, F. and B.R. Phills. 1982. Evaluation of drought resistance in tomato using different screening procedures. HortScience 17(3):513.

Phills, B.R. 1982. Sweet Potato U-Pick. A New Marketing Strategy. HortScience 17(3):534.

Phills, B.R. 1982. Increasing nutrient availability in small fruits and vegetables through plant breeding. Tuskegee Institute 37th Annual Food and Nutrition Symposium.

Phills, B.R. 2001. Impact of Biotechnology on Small Farmers-At a Congressional Brain Trust.

**MASTERS GRADUATE STUDENTS SUPERVISED**

Conrad Bonsi*	Major Professor	Finished	1978
Brenda M. Allen**	Major Professor	Finished	1978
Ervin G. Wilson	Major Professor	Finished	1979
Clifton Paul	Major Professor	Finished	1979
Joseph Ogbugwo	Major Professor	Finished	1979
L.E. Uwaifo	Major Professor	Finished	1980
Victor Khan	Major Professor	Finished	1982
Walter Barker***	Major Professor	Finished	1982
Charmaine Price	Major Professor	Finished	1982
Fern Springer	Major Professor	Finished	1982
Owusu Bandele****	Major Professor	Finished	1982
Sampson Hopkinson	Major Professor	Finished	1986

\* Completed Ph.D. program at Cornell University and Post Doctorate at Penn State University.

\*\* Completed Ph.D. program at Auburn University.

\*\*\* Completed Ph.D. program at University of Minnesota

***Biographical Resume'***  
***Bobby R. Phills***

\*\*\*\*\*Completed Ph.D. program at North Carolina State University.

NOTE: Served as minor professor for over 20 graduate students. All students were required to complete a thesis as a part of their graduate studies. Twelve of these students went on to complete their Ph.D. degrees at major Land-Grant Universities around the country. Throughout my professional career, emphasis has always been placed on maximum achievement at the graduate level, coupled with leadership development.

**SELECTED ACADEMIC AND RESEARCH  
PROGRAM & PROJECT DEVELOPMENT**

Project Director, USDA/CSRS - Development of disease and insect resistant tomato cultivars adapted to adverse weather conditions. 1978 - 1983.

Project Director, USDA/CSRS - Recovery of N<sup>15</sup> labeled urea and isobutylidene by sweet potato and tomato. 1978 - 1980.

Project Director, USDA/CSRS - Development of sweet potato cultivars suitable for seedpiece propagation. 1979 - 1984.

Project Director, USDA/CSRS - Developing alternative methods for control of root-knot nematodes on vegetables. 1979 - 1982.

Member, USDA - Southern Regional Project No. S-161. Maximizing the use, nutritive quality and consumer acceptance of sweet potato products. 1981 - 1985.

Project Director, USDA/CSRS - Strengthening Educational Capacities in the Food and Agricultural Sciences--Student Recruitment and Retention.1987.

Project Director, USDA/CSRS - Operation Small Farm. 1988 - 1992.

Project Director, USDA/FmHA - Louisiana Small-Scale Farm Family Enhancement Program. 1990 - 1992.

***Biographical Resume'***  
***Bobby R. Phills***

Project Director, USDA/CSRS - Operation Grow Your Own-Recruitment. 1991 - 1993.

Associate Director, USDA/FS - Establishment of an Urban Forestry Program at Southern University and A&M College. 1991 - 1993.

Program Director, USDA/ARS - Biological Control Partnership Cooperative Agreement at Florida A&M University. 1998 - 2005.

Program Director, USDA/APHIS - Biological Control Partnership Cooperative Agreement at Florida A&M University. 2000 – 2005.

Project Director, USDA/CSREES - Raising Agriculturally and Technologically Literate Ratters High School Summer Internship Program at Florida A&M University-Phase I: High School Juniors and Seniors. 2001-2004.

Project Director, USDA/CSREES - Raising Agriculturally and Technologically Literate Ratters High School Summer Internship Program at Florida A&M University-Phase II: Middle and High Schools -7th -10th. 2002-2005.

Project Director, USDA/CSREES - Raising Agriculturally and Technologically Literate Ratters High School Summer Internship Program at Florida A&M University-Phase III: Undergraduate Experiential Learning. 2002-2005.

Program Director, FAMU Science Center, College of Engineering Sciences, Technology and Agriculture. The Center funds collaborative projects between Scientists in the College of Engineering Sciences, Technology and Agriculture and the College of Arts And Sciences. Grants are funded in the Amount of \$100,000/yr for three years and must include three scientists-one each from the respective colleges and USDA/ARS. **Funding to the Science Center is permanent, and is currently funded in the amount of \$860,000/yr. The Center is designed to train graduate students as future scientists available for employment in USDA.** -1999-Present.

## **HIGH IMPACT PROGRAMS AND ACTIVITIES**

M Operation Small Farm Project - A cooperative project between the federal and state governments and private industries designed to assist Southern University and A&M College with upgrading its agricultural lands, and to provide greater assistance to its small farm clientele - 1988-1992. Project resulted in over \$1,000,000 in allocations and direct or in-kind contributions.

***Biographical Resume'***  
***Bobby R. Phills***

- M Beginning Agricultural Youth Opportunities Unlimited (BAYOU) Summer Enrichment Program - A collaborative program between federal and state agencies, private industries, and donors, designed to expose high school junior and senior students to the broad array of agriculture, home economics and related scientific disciplines, thereby, enabling them to make more informed and challenging career choices - 1986-1997. Annual budget of approximately \$75,000, which resulted in a four-fold increase in student enrollment within the College of Agriculture and Home Economics at Southern University and A&M College. The BAYOU Program consisted of six phases that included students from junior high school through undergraduate matriculation.
- M Establishment of Biological Control Center with USDA Agricultural Research Service and the Animal Plant Health Inspection Service (APHIS) serving as Collaborating Partners. ARS provides \$1M annually in support of this project. APHIS provides an additional \$300,000 in annual support for staff salaries, graduate student support and various projects relating to APHIS' mission, goals and objectives.
- M Establishment of a Science Center of Excellence at Florida A&M University. The first center of its kind nationally, designed specifically to train graduate students as future agricultural scientists for potential employment by USDA. The Center has a permanently funding line in USDA/ARS annual budget at \$1 million. A team of three scientists, one from each college plus an ARS scientist work on a collaborative research project. Graduate students are assigned to each project and receive training from this collective team of scientists over a two (MS) or three (PhD) year period. The program also serves to strengthen the collaborative research efforts among scientists between the two colleges as well as with USDA.
- M Establishment of FAMU/CESTA Center for Water Quality in collaboration with USDA Forestry Service (FS) and Natural Resource Conservation Service (NRCS). Both USDA agencies provide approximately \$700,000 annually.
- M Established new BS & MS degree programs in International Agriculture and Business, Manufacturing and Industrial Engineering Technology, Food Science and Technology, Aviation Science and Technology, Master of Science (Peace Corps Option), and Master of Science (Engineering Technology Option).
- M Established Center of Excellence in Aviation Science and Technology in collaboration with four other universities offering aviation programs. Center initially funded by the Federal Aviation Administration (FAA) for \$500,000 per year in cash, personnel, and equipment. FAA's commitment is for 3 year period. FAMU is the first HBCU to become a part of an FAA Center of Excellence program.
- M Secured funds to complete the renovation of the Center for Viticulture and Small Fruits-(Phases 1 & 2 totaling \$1.5 million). Currently developing plans for Phase 3 at \$3 million The Center houses research programs in viticulture and small fruits, food science and technology, entomology, plant pathology, genetic engineering, tissue culture and food and bioprocess engineering. The Center also serves as the

***Biographical Resume'***  
***Bobby R. Phills***

home of the USDA/Agriculture Research Service (ARS) component of the Biological Control Center. Future plans include the establishment of a Welcome Center for the Department of Agriculture and Consumer Services. Emphasis will be placed on the several million tourists traveling annually to South Florida through the Florida Panhandle and stopping in Tallahassee, Florida at the this welcome center and home of the Center for Viticulture and Small Fruits and the USDA/ARS research facilities. The Center will contain various displays on Florida Agriculture and Florida A&M University.

- M Negotiated with USDA the establishment of permanent ARS research facilities on the campus of FAMU. Initial cost to establish 4 research laboratories and 4 greenhouses is approximately \$400,000. These facilities will be completed in Spring 2004. Estimated cost for the construction of an additional 30,000 sq. ft. ARS research facility is approximately \$25 million. Funds are currently being sought for this purpose.

**SIGNIFICANT  
ACCOMPLISHMENTS**

- M Provided leadership for the development of the first subdiscipline degree granting Urban Forestry Program in the nation at Southern University and A&M College.
- M Provided leadership for the establishment of the College of Agriculture, Family and Consumer Sciences Advisory Council. First College to establish an external Advisory Council at Southern University and A&M College.
- M Solicited and acquired increased funding for the annual scholarship and assistantship program for the College of Agriculture and Home Economics at Southern University by twelve-fold (from approximately \$8,000 in 1985 to approximately \$100,000 in 1997).
- M Implemented \$2.4 million USDA Facilities Program, which included construction of research facilities, renovations and enhancement of existing facilities, and procurement of state-of-the-art equipment to enhance academic and research training at Southern University.
- M Established first college-wide Staff Council at Southern University and A&M College.
- M Served as team leader for Southern University administrators and faculty to travel to Ghana to establish a long-term linkage collaborative program with the university and government officials for the purpose of enhancing their academic and research programs. Such collaboration included student exchanges and faculty and staff development.

***Biographical Resume'***  
***Bobby R. Phills***

- M Founded the Beginning Agricultural Youth Opportunity Unlimited (BAYOU) Program. This is an effective agricultural and related sciences student recruitment and experiential learning program for pre-college and undergraduate students in agriculture, family and consumer sciences.
- M Provided leadership for name change and reorganization of the College of Agriculture Home Economics to the College of Agricultural, Family and Consumer Sciences at Southern University.
- M Chaired 1890 Biennial Research Symposium Committee which served as the kick-off activity for the 1890 Land-grant Universities' Centennial Celebration in Washington, DC.
- M Co-chaired first Southern Regional Agriculture Teaching Symposium which consisted of deans and faculty members throughout the southern states.
- M Appointed to the Louisiana Alligator Board by the Louisiana Legislature.
- M Appointed to Baton Rouge United Way Board of Directors
- M Appointed to the Board of Directors of Baton Rouge Green, a City-wide tree planting and beautification group.
- M Hosted Congressional Hearings on Agriculture and Rural Development at Southern University and A&M College (first time held on a Historically Black College or University campus).
- M Hosted the National EEO Meeting of the USDA Agricultural Marketing Service on Southern University's Baton Rouge campus.
- M Established the joint partnership between Southern University and A&M College and the USDA/Agricultural Marketing Service, valued at approximately \$200,000/year for five years.
- M Developed first college-wide 5-year Annual Strategic Plan of Work at Southern University and A&M College.
- M Presented paper on Urban Forestry at the Annual Society of American Foresters which led to the establishment of the first Urban Forestry Baccalaureate Degree program in the United States. This program was established at Southern University and A&M University. It was recently approved to offer MS and Ph.D. degrees, another first at an HBCU.

***Biographical Resume'***  
***Bobby R. Phills***

- M Co-Chaired the first USDA/1890 Symposium which resulted in the creation of the first USDA/1890 Task Force which lead to the establishment of the USDA/1890 Scholars Program; 1890 Federal Excess Property Program; Placement of USDA Liaison Officers on 1890 campuses; Established 1890 Research Centers of Excellence, Established Capacity Building Grant Program, and Developed a much stronger collaborative partnership between USDA Agencies and 1890 Universities.
- M Established Florida A&M University College of Engineering Sciences, Technology and Agriculture (CESTA) umbrella student experiential learning program, entitled "Raising Agriculturally and Technologically Literate Ratters (RATLR). Have received grants totaling approximately \$400,000 to support three phases of student experiential learning programs at the pre-college and college level.
- M Established Master of Science degree program in Agriculture Sciences with options in Engineering Technology and International Agricultural/Peace Corps.
- M Established articulation agreements between FAMU/CESTA and eleven (11) community, and junior colleges to offer 2+2 B.S. degree programs in engineering technology, offered on site and via distant learning.
- M Converted affiliate Ph.D. program in Entomology between FAMU/CESTA and University of Florida/IFAS to a cooperative joint Ph.D. program- a first for FAMU/CESTA.
- M Developed first cooperative agreements between USDA/ARS, USDA/APHIS and FAMU/CESTA which have resulted in over \$2.3 million in support to FAMU/CESTA annually for research, and undergraduate and graduate training.
- M Developed a CESTA college-wide faculty evaluation system based on annual plans of work and accomplishment reports that more effectively and fairly measure faculty achievements, and ensure greater accountability.
- M Restructured FAMU/CESTA land-grant programs with emphasis on joint appointments and team oriented research, teaching, extension and international agriculture program activities that have significantly improved clientele services while strengthening the impact of collective program efforts.
- M Established CESTA Advisory Council with sub-councils for various program areas which direct clientele input and "buy-in" into planning and development and projected measurable outcomes and impacts.
- M CESTA leads Florida A&M University in the solicitation of external grants and contracts and is second among colleges in acquisition of external grants and contracts.

***Biographical Resume'***  
***Bobby R. Phills***

- M Developed international linkage agreements with Jamaica, China, Bangladesh, and India. These agreements have led to the continued globalization of curricula offerings, expanded research and outreach efforts and attracts students from around the globe into CESTA.
- M Revised the Faculty Evaluation instrument for the College of Engineering Sciences, Technology and Agriculture (CESTA) so as to make it more inclusive of faculty achievements across all land-grant program areas. It also allowed faculty and administrators to track and measure faculty efforts based on actual achievements and measured impact of such efforts.
- M Revised the CESTA Web Page to make it more interactive, user friendly, and accessible by the college's various clientele and other interested parties. It now contains both faculty and program information within each of the College's four land-grant program areas of teaching, research, extension and international agriculture. We have also added a tracking system to monitor visitors to the site as well as their vital and geographical data. The tracking system also measures the frequency of visitors, the type of computer they are using as well as its operating system. The site now serves as a major recruitment tool for both undergraduate and graduate students.
- M Developed a college-wide relational database management system for both faculty and administrative use in coordinating information on all aspects of data handling within the college. The Database is built on an Oracle platform. It is an Oracle 9i, web based database. The database allows CESTA to connect its informational resources to the worldwide web. In addition to the use of the database for administrative purposes, it is also used to store, manipulate and analyze various research data in the college, i.e. gene and protein sequences and bioinformatics programs.
- M Secured essential hardware and software necessary to establish a bioinformatics research and academic program at Florida A&M University. In implementing this program, the College is establishing collaborative relationships with the USDA/ARS Research Center at Fort Pierce, Florida and the Department of Zoology and Genetics at Iowa State University. This program will add significant breadth and depth to our genetics and biotechnology program and greatly strengthen experiential learning at both the undergraduate and graduate levels of study.

***Biographical Resume'***  
***Bobby R. Phills***

**SELECTED REFERENCES**

Mr. Alto "Bud" Adams, Jr.  
Chairman, Adams Ranch, Inc.  
P.O. Box 12909  
Ft. Pierce, FL 34979-2909  
Telephone: (561) 461-6321

Mr. Tom Adams  
Vice Chair/President  
The University of Georgia  
101 Conner Hall  
Athens, Georgia 30602-7501  
Telephone: (504) 771-4240

Dr. Rouse Caffey, Chancellor Emeritus  
LSU Agricultural Center  
Louisiana State University  
Baton Rouge, LA 70803  
Telephone: (504) 388-4161

Mr. C. Gary Cox, President  
Lakeridge Winery & Vineyards  
19239 US Hwy 27 North  
Clermont, Florida 34711  
Telephone: (850) 877-6754

Dr. George E. Cooper, Deputy Administrator  
Science & Education Resources Development  
USDA/CSREES  
800 Waterfront Street, Room 400.  
Washington, DC 20250  
Telephone: (202) 720-5623

Dr. William B. DeLauder, President

The Farm Foundation, Inc.  
Post Office Box 279  
Fellsmere, FL 32948  
Telephone: (561) 571-0577

Dr. Gale A. Buchanan  
Dean & Director  
College of Agri.& Environmental Sciences  
Delaware State University  
Dover, DE 19901  
Telephone: (302) 739-4901

Dr. Samuel L. Donald  
Regional Research Director  
Association of 1890 Research Directors  
University of Maryland Eastern Shore  
Princess Anne, MD 21853  
Telephone: (410) 651-7657

Dr. Rick Foster  
Vice President for Programs  
W.K. Kellogg Foundation  
One Michigan Avenue East  
Battle Creek, MI 49017  
Telephone: (269) 969-2209

Dr. W.R. (Reg) Gomes, Vice President  
Agriculture and Natural Resources  
University of California  
1111 Franklin Street , Room 6101  
Oakland, CA 94607-5200  
Telephone: (510) 987-0060

***Biographical Resume'***  
***Bobby R. Phills***

Dr. Colien Hefferan, Administrator  
USDA/CSREES  
ROOM 305, Jamie L. Whitten Federal Bldg.  
Washington, DC 20250  
Telephone: (202) 720-4423

Dr. Edward Knipling, Acting Administrator  
USDA/Agricultural Research Service  
Room 302-A  
Jamie L. Whitten Federal Building  
14th & Independence Avenue, SW  
Washington, D.C. 20250  
Telephone: (202) 720-3656

Vice President, Agricultural and

Natural Resources, Dir., IFAS  
University of Florida  
Gainesville, FL 32611-0180  
Telephone: (352) 392-1971

Mrs. Madeline Mellinger, President  
Glades Crop Care, Inc.  
949 Turner Quay  
Jupiter, FL 33458  
Telephone: (561) 746-3740

Dr. John T. Gibson  
Alabama A&M University  
Normal, Alabama 35762  
Telephone: 256-372-5230

Dr. Mortimer H. Neufville  
Exec. Vice Pres.& Director

Mr. Carl Loop, President  
Florida Farm Bureau  
P.O. Box 147030  
Gainesville, FL 32514-7030  
Telephone: (352) 374-1504

Dr. C. Peter Magrath  
President, NASULGC  
1307 New York Avenue, N.W.  
Suite 400  
Washington, DC 20005-4722  
Telephone: (202) 478-6060

Dr. Michael Martin  
Federal Relations-Food, Environment  
and International Affairs  
1307 New York Avenue, N.W.  
Suite 400  
Washington, DC 20005-4722  
Telephone: (202) 478-6022

Dr. Benjamin F. Payton, President  
Tuskegee University  
Tuskegee Institute, AL 36088  
Telephone: (334) 727-8501

Dr. William B. Richardson, Chancellor  
LSU Agricultural Center  
Louisiana State University  
Baton Rouge, LA 70803  
Telephone: (225-578-4161)

Dr. Thelma B. Thompson, President  
University of Maryland, Eastern Shore  
Princess Anne, MD 21853  
Telephone: (410) 651-6102

***Biographical Resume'***  
***Bobby R. Phills***

Dr. Joseph Stewart  
CEO & Founder  
Stewart Industries  
1075 Capital Avenue, SW  
Battle Creek, MI 49015  
Telephone: (269) 660-8576