

RESUME

Guy Fipps, PhD, P.E.

Professor *and* Extension Agricultural Engineer - Irrigation, Water Management
Biological and Agricultural Engineering
Texas A&M AgriLife Extension Service
Texas A&M University System
College Station, Texas 77843-2117

Education

B.S. Agricultural Engineering, Texas A&M University, College Station, 1979.
M.S. Biological and Agricultural Engineering, North Carolina State University, Raleigh, 1984.
Ph.D. Biological and Agricultural Engineering, North Carolina State University, Raleigh, 1988.

Professional Appointments

2005–2006 Senior Advisor for Water, Afghan Reconstruction Group, US Embassy-Kabul,
U.S. Department of State (temporary, non-career appointment).

2003-2014 Director, Irrigation Technology Center. Texas A&M University System.

1999- Professor and Extension Agricultural Engineer, Texas A&M University System,
College Station.

1994-1999 Associate Professor and Extension Agricultural Engineer, Texas A&M University
System, College Station.

1990-1994 Assistant Professor and Extension Agricultural Engineer, Texas A&M University
System, College Station.

1988-1990 Extension Agricultural Engineer, Texas A&M University System, College
Station.

1985 - 1988 USDA National Needs Fellow, Department of Biological and Agricultural
Engineering, North Carolina State University.

1984-1985 Agricultural Engineer, CARE-International, Chad.

1982-1984 Graduate Research Assistant, Department of Biological and Agricultural
Engineering, North Carolina State University.

1981-1982 Engineer, Radian Corporation, Austin, TX. Environmental and Engineering
Consulting.

- 1980-1981 Research Associate, Texas Agricultural Experiment Station, Department of Agricultural Engineering, Texas A&M University.
- 1975-1977 Peace Corps Volunteer - Wells Specialist, Upper Volta (Burkina Faso), West Africa.

Major Awards

IA Person of the Year (Irrigation Association), 2015.

ASABE Professional Engineer of the Year (American Society of Agricultural and Biological Engineers), 2014.

USCID Merriam Improved Irrigation Award, (United States Commission on Irrigation and Drainage), 2013.

ASABE Award for the Advancement of Surface Irrigation (American Society of Agricultural and Biological Engineers), 2012.

Excellence in Extension Education. Biological and Agricultural Engineering, Texas A&M University, 2011 and 2016.

Award for Superior Service, Texas A&M AgriLife Extension Service, 2009.

Major Programs And Websites

The Irrigation Technology Program (<http://itc.tamu.edu>).

Irrigation District Program (<http://idea.tamu.edu>).

Texas A&M School of Irrigation (<http://irrigation.tamu.edu>).

TexasET Network and Web Site (<http://texaset.tamu.edu>).

WaterMyYard Program (<http://WaterMyYard.org>)

South Texas Irrigation Conference (series)

Lower Rio Grande Irrigation Conference (series)

Seminar on Water Rights and Public Policy (occasional series)

Professional Registration/Memberships

Registered Professional Engineer, State of Texas (certificate number 70876)

Texas Agricultural Irrigation Association: Charter Member, Director 1991-1992

Texas Water Conservation Association

Extension Specialist Association

American Society of Biological and Agricultural Engineers: Associate Editor, Journal of Applied Engineering in Agriculture, 1995- 1997

American Society of Civil Engineers

U.S. Committee on Irrigation and Drainage

Irrigation Association

American Geophysical Union.

American Water Resources Association

Friends of Burkina Faso: Director, 2004 –

INTERNATIONAL EXPERIENCE (selective listing)

Evaluation of the design the Buffet Foundation's 62 center pivot development project in Rwanda. Funded through the Conflict and Development Foundation.

Training Specialist – USAID's HSAD (Harmonized Sustainable Agricultural Development) Project, **Iraq**. Preparation and teaching of four, 1-week trainings in Erbil covering Rainfall Capture, Center Pivot Irrigation, Pumps for Irrigation, Extension Methods, and Irrigation Systems, Irrigation Water Quality and Salinity Management – through the Borlaug Institute and ICARDA, 5/13- 3/14.

Irrigation Specialist - USAID Inma Project, **Iraq**. Conducting of three subprojects: (1) Rapid Intervention Program - to improve the water management of irrigation schemes, (2) Efficient Center Pivot Irrigation System Demonstration Program, and (3) GIS assistance to the Ministry of Agriculture - for Louise Berger through the Borlaug Institute. Feb-Nov 2012.

Water Resource/Irrigation Expert, Five-Year Plan, Ministry of Agriculture, **Rwanda**. Development and prioritization of the 5-year plan for all Ministry of Agriculture programs in irrigation and related water resources, including services, technical support, development and organizational issues. Work was done for the Ministry through the Borlaug Institute. 7-9/13

Hydraulic Engineering Specialist - Great Man Made River Project Phase III, **Libya**. Review of the hydraulic assessment needs for the next phase of development– through Willsbros, International. 2/10 - 2/11.

Water Management Audit of the Sourou Valley Development Authority, **Burkina Faso**. Evaluation of the capability of the Burkina government to successfully implement a major irrigation development project funded by the Millennium Challenge Corporation - through University of Utah. Sept - Nov 2008.

Subject Matter Expert. Civil works project design and evaluation, design and implementation of the \$24.5 M Western Desert Center Pivot Project, Al Anbar Province, **Iraq** – for the US Department of Defense. 2008-2011

Consultant for the Task Force for Business Stabilization and Operations in Iraq, US Department of Defense: Member of the Ag Task Force for **Iraq** – in-country assessment of agricultural and water resource development needs suitable for quick intervention by the US military. March 2007.

Water Specialist on the USAID Inma project in **Iraq** - Louise Berger. Development of the Inma project plan related to irrigation and soil reclamation. Work conducted in Iraq. August 2007.

Development of a Transboundary Water Policy for **Afghanistan** – USAID. Advising the Afghan government, writing a comprehensive international water policy, and identifying priorities for each river basin - through IRD (International Relief and Development, Inc.), April – May 2007.

Senior Advisor for Water, US Department of State. One-year assignment in **Afghanistan** located at the US Embassy, Kabul to advise the ambassador, Afghan government, USAID, NGO's and the US Military on water development and policy issues. Successful negotiation of a water data sharing treaty between **Tajikistan** and Afghanistan. 2005-2006.

Consultation for the Chinese Ministry of Science and Technology on irrigation and water resource sustainability in Xinjiang Province, **China**. 2005.

Jordan University of Science and Technology (USAID funded project) – development of two graduate level courses in urban and agricultural water demand management designed for both students and professionals, and co-teaching the first classes in **Jordan**. 2004.

Research into irrigation scheme assessment and rehabilitation, National Irrigation Commission of **Jamaica**. 2001-2005.

Irrigation Needs Assessment for **Trinidad and Tobago** - evaluation of irrigation schemes and on-farm irrigation development needs for the Ministry of Agriculture and Land Resources - as part of a Texas A&M University Project. 1999-2000.

Design of the Guanajuato Center for Research and Assistance in Irrigation (CEAR) - for the Guanajuato Secretary of Agriculture and the University of Guanajuato, **Mexico**. 1997-1998.

Development of a Conceptual Design: The Sinaloa Irrigation Training Center - for INIFAP and the Sinaloa Foundation, **Mexico**. 1997.

Consultant – for the Caspian Pipeline Consortium/Oman Oil Company. Analysis of the potential impact of pipeline construction on irrigated schemes and pressurized irrigation systems in the Krasnodar and Stavropol regions of South **Russia** and design of mitigation measures. 1995.

Technical Advisor, CARE-International, in **Chad**, Africa. Design and evaluation of water and irrigation development projects. 1985.

Peace Corps Volunteer - Wells Specialist, **Upper Volta** (Burkina Faso), West Africa. Construction of large-diameter water wells in the Sahel Region, 1975-1977.