

**CV (Summary Page):
PATRICK JEAN RAYMOND WEBB, Ph.D.**

<u>Current Title(s):</u>	Dean for Academic Affairs Alexander MacFarlane Professor of Public Policy
<u>Education</u>	
Ph.D.	Economic Geography 1988, University of Birmingham. 1989
MA	African Studies, University of Birmingham. 1981
BA (Honours)	Geography (Development Studies), University of Sussex, UK 1980
<u>Expertise</u>	Food policy analysis, development policy and planning, household consumption and expenditure, nutrition intervention design and evaluation, humanitarian response, risk and vulnerability analysis.
<u>Experience</u>	<p>An unusual blend of boots-on-the-ground field experience and high level policy work, coupled with strategic analysis and advocacy. Six years living in Africa (Ethiopia, Niger, The Gambia), and many more cumulative years spent in remote places working on project design, implementation and evaluations across Africa, South Asia and Latin America. Among the 'first responders' on the ground in post-tsunami Aceh, and hands-on involvement in the 2004 national nutrition survey in North Korea. Involved in policy dialogue at the highest levels of government. Made presentations to ECOSOC, negotiated UN positions at the World Food Summit in 1996, member of UN Hunger Task Force (lead role in key chapters of report to Kofi Annan), defined direction of US Food for Peace's policies for 2004-2009, prepared and negotiated 3 policy papers for WFP's Executive Board, oversaw the Delhi Declaration on maternal and child nutrition; provided briefing papers to Gordon Brown on food price crisis and reviewed OCHA's contributions to the Comprehensive Framework for Action on the price crisis. Member of expert panels for UNICEF and WHO and advisor to the Gates Foundation on agricultural policy and global nutrition strategy. Strong network of colleagues at the World Bank, WHO, WFP, FAO, UNICEF, USAID and numerous PVOs. Leadership and management experience at senior level in WFP, as a division director (acting) at IFPRI, and managing a world-class graduate school in Boston.</p> <p>Webb's co-authored book on <i>Famine in Africa</i> (Johns Hopkins University Press, 1999), sold out of first edition and went into a second run. His monograph on <i>Food as Aid</i> was translated by WFP into 8 languages. Other publications: involvement in 20 books and 40 peer-reviewed journal articles.</p>
<u>Employment History:</u>	
Aug 1, 2005 -	Professor and Academic Dean , Friedman School of Nutrition Science and Policy, Tufts University, Boston.
2003 - 2005	Chief, Nutrition Service , Policy, Strategy and Programme Support Division of the World Food Programme of the United Nations (Rome)
1998 - 2003	Program Director , Food Policy Program, Friedman School, Tufts University, Boston.
1996 - 1998	Visiting Professor - <i>Josef G. Knoll Stiftungsgastprofessor</i> - Hohenheim University, Stuttgart (Germany)
1994 - 1996	Senior Policy Analyst - UN World Food Programme (WFP) - Rome
1993 - 1994	Acting Division Director - International Food Policy Research Institute.
1985 - 1993	Research Fellow - International Food Policy Research Institute.

CURRICULUM VITAE

Name: Patrick Jean Raymond Webb

Nationality: British (US Resident Alien)

Current Title(s): Dean for Academic Affairs,
Alexander MacFarlane Professor of Public Policy

Office Address: 150 Harrison Avenue (Room J235)
Boston, MA 02111, USA

Education:

Ph.D.	Economic Geography, University of Birmingham, UK	1988
MA	African Studies, University of Birmingham, UK	1981
BA (Honours)	Geography (Development Studies), University of Sussex, UK	1980

Employment History

Aug 1, 2005 **Dean for Academic Affairs**, Friedman School of Nutrition
- Science and Policy, Tufts University, Boston, and Alexander MacFarlane
Professor of Public Policy.

Senior management position for the only self-governing graduate school of nutrition science and policy in North America. Responsible for over 100 faculty and some 250 graduate students. Direct oversight of the Office of Student Affairs, the Office of the Academic Dean, as well as eight faculty committees that together form the internal governance of the school. Initiator of outreach, collaborative and capacity building/training with institutions in Thailand, Mexico, Ghana, Ethiopia, Sudan and UAE. Negotiated *Associated Institution* status for the school within the United Nations University. Own research focuses on costs and effectiveness of food security interventions, global micronutrient deficiencies, food technology (including milling and fortification), humanitarian interventions, nutrition-disease interactions, and macro-economic issues in agriculture, food prices and trade.

Feb, 15. 2003 **Chief, Nutrition Service**, Policy, Strategy and Programme Support
July 31, 2005 Division of the World Food Programme of the United Nations (Rome)

Developed a unit responsible for policies and interventions in nutrition (a WFP strategic priority for the 2004-2007 period)--including programme design and management, training, inter-agency collaboration at policy and operational levels--milling and fortification activities in Southern Africa, North Korea and India--and negotiating the nutrition sections of a new UNICEF-WFP MOU. Operational activities encompassed micronutrient fortification, emergency relief, school-based nutrition, and MCH interventions. Prepared 3 major policy papers for review by global agencies and endorsement by WFP's Executive Board (May 2004). Helped design and initiate new joint programming with..

Curriculum Vitae - **Patrick Webb**

.. with UNICEF, GTZ and FAO in Ethiopia (the Extended Outreach Strategy), Afghanistan (local wheat fortification), Angola (maize fortification for school feeding), Lesotho (HIV orphans school meals and gardens project), Haiti (nutrition surveillance activities), and Zambia (refugee camp fortification of maize and cassava). Strong focus on results based management, cost-effectiveness and efficacy issues, and impact evaluation. Personally on the ground in Aceh as a first responder to the Asian Tsunami of Dec. 2004 to lead WFP's emergency needs assessment.

Sept 1, 1998 **Program Director** (Food Policy and Applied Nutrition Program),
Feb 14, 2003 Friedman School of Nutrition Science and Policy, Tufts University, Boston.

Established and led a program of field-based research and teaching in food policy analysis, food security and applied nutrition. Developed post-graduate courses in *Food Security, Malnutrition and Development, Humanitarian Policy, Risk and Vulnerability in Development, Food Problems and Public Policy Action*, and elements of *Social Survey Methods and Analysis*. Conducted research on global food policy, water security and nutrition, and household risks and vulnerability

Sept 1, 1996 **Visiting Professor** - *Josef Knoll Stiftungsgastprofessor* - Hohenheim
Aug 31, 1998 University, Stuttgart (Germany)

Invited to be the first Josef Knoll Professor for Developing Country Research at the Institute for Agricultural Economics of Hohenheim University. Conducted seminars on UN policy and projects, agricultural research, biotechnology, and nutrition problems and solutions. Helped design new English-language M.Sc. course, on agriculture, environment and food security. Contributed to evaluating Hohenheims's 12 year research programme in the Sahel, and helped establish a new long-term research and training collaborations with universities in Vietnam and Thailand.

Sept 1, 1994 **Senior Policy Analyst** - UN World Food Programme (WFP) - Rome
Aug 31, 1996 in the Strategy and Policy Division.

Responsible for analyzing food assistance policies and practice in emergency interventions, refugee/IDP concerns, and development programming. Contributed to policy setting for projects in Africa, including buffer stocks, early warning systems, and nutrition programming. Served as WFP focal point for the 1996 World Food Summit (interacting with UN heads of agencies and national ambassadors), and back-stopped inter-agency treaty negotiations on refugee and other emergency operations (including the EC's Madrid Initiative on landmines) and pan-UN policy development. Represented WFP at meetings of heads of agencies (such as ECOSOC in Geneva and PrepComs in New York), and dealt with senior staff in the EC, UNDP, UNICEF, IFAD, and FAO.

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Oct 31, 1993 **Acting Division Director** - International Food Policy Research Institute
 Aug 31, 1994 (Washington, D.C).

Managed IFPRI's (then) largest division of 30 staff for almost a year. Employed for a total of 9 years at IFPRI, involved in increasingly higher-management positions. Conducted, led and managed multi-disciplinary research activities, each of which involved fieldwork, collaboration with policy makers and donors, and interaction with developing country scientists. As Acting Director held responsibility for: i) supervising 25 global research projects, ii) managing division budget of US\$2 million (also hiring, discipline and performance reviews) iii) pursuing external relations with policy makers, donors and similar institutes around the world; iv) planning divisional activities in accordance with IFPRI's 1994-1999 medium-term plan; v) fund-raising for research and outreach activities. Managed \$600,000 research on design of early warning systems for Africa, working closely with Ministers of Planning and Economic Development of Ethiopia, and Alemaya University.

1985-1993 **Research Fellow** - International Food Policy Research Institute
 As a Research Fellow, co-managed fieldwork and analysis (costs, effectiveness, impacts) for a US\$1 million evaluation of public works in Africa. Lived in Niger for 1 year he conducted surveys of 5 projects with Gov. Niger, USAID, World Bank. Supervised parallel studies in Zimbabwe and Ethiopia; also conducted evaluation missions with GTZ and WFP staff to Burkina Faso, Cameroon and Senegal. Prior to that, as a Post-Doctoral Fellow and Research Analyst, managed part of a US\$ 1.4 million research into the household impacts of famine in Africa. Lived in Ethiopia for almost 3 years--supervised 25 national staff and explored impact of 7 relief interventions with the Ministry of Economic Planning and Agriculture. The Prime Minister (of post-1991 government) requested personal briefings on the policy findings. These fed into a new National Disaster Preparedness Strategy and influenced the design of Ethiopia's employment-based Social Safety Net. Implemented an evaluation of the gender impacts of rice irrigation technology introduced into The Gambia (lived there 2 years).

Awards, Honours, and Significant Activities

- 2008 Nominated to the Paddock Award, offered by the Fletcher School of Law and Diplomacy, Tufts University, for excellence in teaching.
- 2004 Member of organizing committee preparing the thematic symposium for the 2005 World Food Prize (Iowa, Des Moines).
- 2003-05 Member of Steering Committee of the UN Standing Committee on Nutrition
- 2003-05 Member of Millennium Project Task Force on Hunger reporting to Jeffrey Sachs and the UN Secretary General.
- 2000 'Senior Fellow' of the Center for Development Research at the University of Bonn
- 2000 'Outstanding Faculty Member of the Year', School of Nutrition, Tufts.

Curriculum Vitae - Patrick Webb

(Awards cont.)

- 1999-present Granted *Honorary Professor* status (honorary professor) of the University of Hohenheim by the State Minister for Education, Research and Culture of the State of Baden-Wuerttemberg, Germany.
- 1998 Elected to Chair a 'Working Group on Technical Issues' by the Inter-Agency Committee responsible for developing FIVIMS post-World Food Summit of 1996.
- 1999-2003 Chaired Expert Advisory Committee on 'household food and nutrition security' for World Health Organization, Geneva.
- 1998 Proposed as a candidate for the Scientific Advisory Board of the United Nations University (UNU) by the Executive Director of World Food Programme
- 1997 Elected to serve on the Board of Directors of the International School of Stuttgart (ISS).
- 1981 Awarded the Bradbury Memorial Prize (best Masters Degree thesis of the Year) by the Centre for West African Studies, University of Birmingham, UK.

Other relevant assignments (national, international)

- Commissioned by the Bill and Melinda Gates Foundation as expert to help guide evaluation of its Challenge Grant to the *Harvest Plus* initiative on biofortification, as well as review and advise on Gates' global agricultural and nutrition strategies.
- Key member of *International External Evaluation of FAO*, mandated by the FAO Council. Sector lead focused on FAO's early warning and emergency operations.
- Member of Advisory Committee to the UN Standing Committee on Nutrition's (SCN) working group on micronutrients.
- Member of external committee guiding the *Ending Child Hunger and Undernutrition Initiative* (World Bank, UNICEF, World Food Programme) – 2005-07.
- Member of expert committee advising World Food Programme (Latin America Regional Bureau) on statistical methodologies for assessing economic impacts of undernutrition, and on small area estimation modeling and mapping of hunger – 2005-09.
- Chair of committee of 25 experts guiding and reviewing the World Health Organization's multi-country study on food and nutrition vulnerability – 2001/02.
- Chair of WHO/UNHCR (UN High Commission for Refugees) initiative to define Guidelines for Care of Nutritionally Vulnerable Refugees – 1998/99.

Professional Societies

- Fellow of the Royal Geographical Society
- Development Studies Association (UK and Eire)
- International Association of Agricultural Economists (IAAE)
- American Association of Agricultural Economists (AAAE)

Board Activities

Member of Editorial Advisory Board of *Food and Nutrition Bulletin*

Member of Editorial Advisory Board of *Quarterly Journal of International Agriculture*.

Member of Editorial Advisory Committee to the annual *World Hunger Report* series (published by Stanford University Press for the World Food Programme).

Member of the Board of the International Nutrition Foundation

Founding board member of Global Health Action (a Boston-based NGO)

Founding board member of the Minerva Project (a Rome-based NGO)

Member of the Interim Technical Advisory Group on Micronutrient Powders (iTAG-MNP)

Curriculum Vitae - **Patrick Webb****Publications: a) Refereed (peer reviewed) papers.**

41. Ivers, L. S. Block, K. Freedberg, J. Coates and P. Webb. 2009. HIV/AIDS, Undernutrition and Food Insecurity: A Review. *Clinical Infectious Diseases* (forthcoming)
40. Kadiyala, S. A. Quisumbing, B. Rogers and P. Webb. 2009. The Impact of Prime Age Adult Mortality on Child Survival and Growth in Rural Ethiopia. *World Development*. June (forthcoming)
39. Block, S. and P. Webb. 2009. Up in Smoke: Expenditure on Tobacco and Child Nutrition in Indonesia. *Economic Development and Cultural Change*. (forthcoming)
38. Gentilini, U and P. Webb. 2008. Measuring Progress to the Hunger MDGs: A New Composite Index on Poverty and Hunger. *Food Policy*. 33 (10): 521-532
37. Webb, P., C. Nishida, and I. Darnton-Hill. 2007. Age and Gender as Factors in the Distribution of Global Micronutrient Deficiencies. *Nutr. Reviews*. 65 (5): 223-45.
36. Gross, R. and P. Webb. 2006. Wasting Time: Severe Child Undernutrition Must Be Resolved in Non-Emergency Settings. *The Lancet*. 367 (4): 1209-11.
35. Webb, P., J. Coates, E. Frongillo, B. Rogers, A. Swindale and P. Bilinsky. 2006. Measuring Household Food Insecurity: Why It's So Important and Yet So Difficult to Do. *Journal of Nutrition*. 136: S1404-08.
34. Coates, J., E. Frongillo, B. Rogers, P. Webb, P. Wilde and R. Houser. 2006. Commonalities in the Experience of Household Food Insecurity Across Cultures: What are Measures Missing? *Journal of Nutrition*. 136: S1438-48.
33. Coates, J., Wilde, P. Webb, B. Rogers and R. Houser. 2006. Comparison of a Qualitative and a Quantitative Approach to Developing a Household Food Insecurity Scale for Bangladesh. *Journal of Nutrition*. 136: S1420-30.
32. Yoosuf, A, Z. Prinzo, S. Atwood, P. Webb, U. Rachmi, R. Haider. 2005. Food security and nutrition. *Pre-hospital Disaster Medicine*. 20 (6): 436-8.
31. Webb, P. 2005. Food and Nutrition Concerns in Aceh after the Tsunami. *Food and Nutrition Bulletin*. 26 (4): 393-6.
30. Darnton-Hill, I, N. Dalmiya , P. Webb, M. Ball et al. 2005. Micronutrient deficiencies and gender: social and economic costs. *American Journal of Clinical Nutrition*. 81 (5): 1198S-1205S.
29. Moench-Pfanner, R., S. de Pee, M. Bloem, D. Foote, S. Kosen and P. Webb. 2005. Food for Work in Indonesia impacted too little on anemia—the need for attention to quality, not just quantity, in food aid. *Journal of Nutrition* 135 (6):1423-9.

28. Webb, P. 2005. Too Much and Too Little: Water Problems in Aceh, Indonesia, post-Tsunami. *Waterlines*. 23 (4): 26-7.
27. Webb, P. and S. Block. 2004. Nutrition Information versus Formal Schooling as Inputs to Child Nutrition. *Econ. Development and Cultural Change*. 52 (4): 801-820. [This paper was identified as "a resource paper of utmost importance and relevance" to an on-line Forum on Food Security and Nutrition (circulated among a global community of 500 practitioners, academics, researchers and policy-makers (<http://km.fao.org/fsn/>)]
26. Block, S. L. Keiss, P. Webb, S. Kosen, R. Moench-Pfanner, M. W. Bloem, and C. Peter Timmer. 2004. Did Indonesia's Crises of 1997/98 Affect Child Nutrition? A Cohort Decomposition Analysis of National Nutrition Surveillance Data. *Economics and Human Biology*. 2: 21-44.
25. Webb, P. 2003. Food as Medicine: Can Famine Relief Meet Health and Hunger Goals Simultaneously? *The Lancet*. 362 (12): S40-S41.
24. Webb, P. 2003. The Uncertain Path of Transition: Food, Nutrition and Poverty Dynamics in South East Asia. *Quarterly Jou. Int. Agriculture*. 42 (3): 273-93.
23. Van Den Briel, T. and P. Webb. 2003. Fighting World Hunger through Micronutrient Fortification Programs. *Food Technology*. 57 (11): 44-47.
22. Webb, P. 2003. The Under-Resourcing of Rights: Empty Stomachs and other Abuses of Humanity. *New England Journal of Intntl. and Comparative Law*. 9 (1): 135-157.
21. Webb, P. 2002. Emergency Relief during Europe's Famine of 1817 Anticipated Crisis Response Mechanisms of Today. *Jou. Nutrition*. 132 (7): 2092S-2095S.
19. Webb, P. 2001. Land Degradation in Developing Countries: What is the Problem? *Int. Jou. Agric. Resources, Governance and Ecology*. 1 (2): 124-36.
18. Block, S. and P. Webb. 2001. The dynamics of livelihood diversification in post-famine Ethiopia. *Food Policy*. 26 (4): 333-67.
17. Nishida, C., P. Webb and G. Nantel. 2001. Introduction: Achieving Household Food and Nutrition Security in Societies in Transition. *Asia Pacific Journal of Clinical Nutrition* 10 (Supplement S1-S62): S1-S3.
16. Barrett, C, T. Reardon and P. Webb. 2001. Non-farm income diversification and household livelihood strategies in rural Africa: Concepts, dynamics and policy implications. *Food Policy*. 26 (4): 315-32.
15. Webb, P. 2000. Drawing Lines in the Water: The Challenge of Indicator Selection for Vulnerability Analysis. *Fletcher Forum of World Affairs*. 24 (1): 33-46.

14. Webb, P. and A. Harinarayan. 1999. A Measure of Uncertainty: The Nature of Vulnerability and its Relation to Malnutrition. *Disasters*. 23 (4): 292-305
13. Haddad, L., P. Webb and A. Slack. 1997. Trouble Down on the Farm: What Role for Agriculture in Meeting World Food Needs in the Next Twenty Years? *American Journal of Agricultural Economics*. No. 5: 1476-1479.
12. Webb, P. 1996. Diversifying and targeting can save lives. *Crosslines: Global Report* 4 (3) 21: 19-21.
11. Webb, P. 1995. Invest now for a future without famine: Lessons point to prevention, targeting and productivity. *African Farmer*. Jan-April: 6-9.
10. Brown, L., P. Webb and L. Haddad. 1994. The role of labour in household food security: Implications of AIDS in Africa. *Food Policy*. 19 (6): 568-573
9. Webb, P. 1994. Famine in Africa: The Extreme Expression of Poverty. *National Geographic: Research and Exploration*. 10 (2): 158-171.
8. Brown, L., Y. Yohannes and P. Webb. 1994. Rural Labor-Intensive Public Works: Impacts of Participation on Preschooler Nutrition: Evidence from Niger. *American Journal of Agricultural Economics*. 76 (Dec.): 1213-18.
7. Webb, P. 1994. Guests of the Crown: Convicts and Liberated Slaves on McCarthy Island, The Gambia. *Geographical Journal*. 160 (2): 136-142.
6. Webb, P. 1993. Coping with Drought and Food Insecurity in Ethiopia. *Disasters*. 17 (1): 33-47.
5. von Braun, J., T. Teklu and P. Webb. 1993. Famine as the Outcome of Political, Production and Market Failures. *IDS Bulletin*. 4 (4): 73-8.
4. Webb, P. and T. Reardon. 1992. Drought Impact and Household Response in East and West Africa. *Quarterly Journal of Int. Agriculture*. 3: 221-259.
3. von Braun, J., T. Teklu and P. Webb. 1992. Labour-Intensive Public Works: Experience in Africa. *International Labour Review*. 131 (1):19-34
2. Webb, P. 1991. When Projects Collapse: Irrigation Failure in The Gambia from a Household Perspective. *Jou. of International Development*. 3 (4): 339-53
1. von Braun, Joachim and P. Webb. 1989. The Impact of New Crop Technology on the Agricultural Division of Labor in a West African Setting. *Economic Development and Cultural Change*. 37 (3): 513-534.

b) Books and book chapters

25. Webb, P. The World Food Programme of the United Nations. In Juergensmeyer, M. and H. Anheier (eds). 2009. *Encyclopedia of Global Studies*. London, UK: Sage Publications. (forthcoming)
24. Webb, P. In Press. Islands of Excellence in Oceans of Apathy. In Voyame, M. (ed.) *International Law, Conflict and Development: the Emergence of an holistic approach in International Affairs*. Zurich, [pp...]
23. Webb, P. and A. Thorne-Lyman. 2008. Food and Health. In, Bloem, M. and R. Semba (eds.) *Nutrition and Health in the Tropics*. Second edition. Baltimore, MD: Johns Hopkins University Press, pp 699-720.
22. Webb, P. and A. Thorne-Lyman. 2007. Hunger and Disease in Crisis Situations, in *Hunger and Health: World Hunger Series 2007*, Earthscan, UK: WFP, pp 56-7.
21. Webb, P. 2007. Halving Hunger: How Are We Doing in Meeting Millennium Development Goal No.1? In *Strengthening Efforts to Eradicate Poverty and Hunger: Dialogues of the Economic and Social Council*. New York, United Nations, pp 107-116.
20. Webb, P. and A. Thorne-Lyman. 2007. Entitlement Failure from a Food Quality Perspective: Vitamins and Minerals in Humanitarian Crises. In Guha-Khasnobis, B., S. Acharya and B. Davis (eds.) *Food Insecurity, Vulnerability and Human Rights Failure*. Studies in Development Economics and Policy. London, UK: Palgrave MacMillan/United Nations University's World Institute for Development Economics Research, pp 243-65.
19. Webb, P. 2006. Water and Food Security in Developing Countries: Major Challenges for the 21st Century. In V. Grover (ed.). *Water: Global Commons and Global Problems*. Enfield, NH: Science Publishers, pp.17-40.
18. Webb, P. 2005. Can Food Aid Contribute to Improved Nutrition? *Frontline Issues in Nutrition Assistance: Hunger Report 2006*. Bread for the World, pp:130-1.
17. Hunger Task Force. 2005. *Halving Hunger: It Can Be Done*. Final Report of the Millennium Project Hunger Task Force to the U.N. Secretary General. New York: Millennium Project. [Webb was principal author of chapters 7 and 8 on Nutrition goals and on Safety Nets]
16. Webb, P. 2005. Cultivated Capital: Agriculture, Food Systems and Sustainable Development. In K. S. Bawa and R. Seidler (eds.) *The Encyclopaedia of Life Support Systems*. Oxford: UNESCO, Chapter 17.
15. Webb, P. 2005. Famine. In Griffiths, M (ed.) *Encyclopaedia of International Relations and Global Politics*. London: Routledge, pp. 270-72.

14. Webb, P., J. Coates and K. Weinberger. 2001. Despite Discrimination: The Success of Women Farmers in a World of Constraints. In, Webb, P. and K. Weinberger (eds.) 2001. *Women Farmers: Enhancing Rights, Recognition and Productivity*. Frankfurt: Lang Verlag, pp. 1-12.
13. Iskandarani, M. and P. Webb. 2000. Trinkwasserknappheit: Ein sich verschärfendes Nahrungsproblem. (Drinking water availability: an increasingly serious consumption problem.) In *Jahrbuch Welternährung: Daten, Trends, Perspektiven*. Frankfurt: Fischer Verlag. pp. 64-67.
12. Webb, P. and K. Weinberger (eds.) 2001. *Women Farmers: Enhancing Rights, Recognition and Productivity*. Frankfurt, Germany: Lang Verlag.
11. von Braun, J., T. Teklu and P. Webb. 1999. *Famine in Africa: Causes, Responses and Prevention*. Baltimore, MD: Johns Hopkins. Called "among the best of primers on current knowledge on famine prevention, market integration and malfunction, and household food security", in the *Humanitarian Times* (Feb 17, 1999). Sold out first (hardback) edition and in 2001 went into a paperback run.
10. Webb, P. and D. L. Coppock. 1997. Prospects for Pastoralism in Semi-Arid Africa. In Vosti, S., and T. Reardon (eds.) *Sustainability, Growth and Poverty Alleviation*. Baltimore, Md.: Johns Hopkins University Press, pp: 246-260.
9. Webb, P. 1996. 'The Search for Growth in Crisis-Prone Environments.' In Sorenson, J. (ed.). *Disaster and Development in the Horn of Africa*. London: Macmillan Press, pp: 171-186.
8. Webb, P. 1996. Enabling early withdrawal from emergency aid. In *The Continuum from Emergency Aid to Sustainable Food Production*. London: Overseas Development Administration. Chapter 4.
7. Webb, P. and J. von Braun. 1995. Ending Hunger Soon: Concepts and Priorities. In Serageldin, I. and P. Landell-Mills (eds). *Overcoming Global Hunger*. Environmentally Sustainable Development Proceedings Series No.3. Washington, D.C.: World Bank, pp 203-218.
6. Reardon, T. and P. Webb. 1995. Strategies des menages pour faire face aux crises alimentaires pendant et après la secheresse en Afrique. In G. Etienne, M. Griffon and P. Guillaument (eds.) *Performances Agricoles Comparees: Afrique-Asie*. Paris: Revue d'Economie Francaise, pp105-116.
5. Webb, P. 1995. Public Works in Ethiopia. In J. von Braun (ed.) *Employment for Poverty Reduction and Food Security*. Washington: IFPRI. pp.144-73
4. Cater, N., P. Webb, N. Jeffries. 1995. Ethiopia: 10 Years on, could it starve again? *World Disasters Report 1995*. Geneva: IFRCRS. Chapter 10.

3. Webb, P. and J. von Braun. 1994. *Famine and Food Security in Ethiopia: Lessons for Africa*. London: John Wiley. This book was reviewed in the *New Scientist* ("A hard row to hoe." by M. Cross--September 24, 1994): "not many academic books can move a reviewer to tears. This one did." Also reviewed by D. Pankhurst, who wrote "this is one of the best books on the subject there is...the book deserves a much wider readership than those interested just in Ethiopia's experience of famine." Also very favourably reviewed by the UN University in the *Food and Nutrition Bulletin* 15 (1): 86-88, October 1994; and by J. Borton in the *Relief and Rehabilitation Network Newsletter*, No.2, 1994.
2. von Braun, J., D. Puetz and P. Webb. 1989. *Irrigation Technology and Commercialization of Rice in The Gambia: Effects on Income and Nutrition*. Washington, D.C.: International Food Policy Research Institute.
1. Webb, P. 1986. Of Rice and Men: The Story behind Gambia's Decision to Dam its River. In *The Social and Environmental Effects of Large Dams*. Volume II. Goldsmith, E. and N. Hildyard. Whitehay: Ecologist, pp. 120-30

c) Editorials and Invited Commentaries

- Webb, P. and others. 2008a. Delivery sciences in nutrition. Open Letter published in *The Lancet*. Vol. 371. May 24.
- Webb, P. 2008b. Rebuilding Lives, not just Cities. *Nanfang Zhoumo (South Weekend)* Chinese Newspaper (2 million circulation). <http://www.infzm.com/content/12647/4> [English version] <http://www.infzm.com/content/12647/2> [Chinese version]
- Webb, P. 2008c. Cyclone: Q & A on international aid. *Boston Globe*. Interview by R. Greene on the conditions in Myanmar. May 6
http://www.boston.com/news/local/breaking_news/2008/05/cyclone_q_a_on.html
- Webb, P. 2006. Editorial Commentary: 3 Nutrition Policy Papers for WFP. *Food and Nutrition Bulletin*. 27 (1): 46-75.
- Webb, P. 2006. Loss of an egg can be tipping point for the malnourished. *The Financial Times*, March 13, 2006.
- Webb, P. 2005. Niger—an "invisible" crisis. *Mainichi* (Japanese daily). Sept 16.
- Webb, P. 2005. The Invisible Crisis in Niger. *Toronto Globe and Mail*. August 26.
<http://www.theglobeandmail.com/servlet/story/RTGAM.20050826.wcomment0826/BNStory/International/>
- Webb, P. 1996. Surplus disposal is not the main problem. *Guardian Weekly*. Dec 15
- Webb, P. 1992. To Fend off Famine. *The Washington Post*. (Editorial) July 11.

d) Significant Reports and Discussion Papers

- Maxwell, D., P. Webb, J. Coates and J. Wirth. *Rethinking Food Security Responses in Humanitarian Crises*. Background Paper for the Food Security Forum, Rome, April 16-18, 2008. (82pp). [This paper was added to the Social Science Library: Frontier Thinking in Sustainable Development and Human Well-Being (SSL). The SSL collection is presented on a set of CDs and sent, without charge, to about 5,000 university

libraries in 137 developing countries.]

- Ender, G., E. Kennedy, K. Kauffmann, C. Krull, J. Richardson, P. Webb. (alphabetically) 2008. *Assessment of HarvestPlus*. Report prepared by Abt Associates Inc. for the Bill and Melinda Gates Foundation. (101pp)
- Coates, J., B. Rogers, P. Webb, D. Maxwell, R. Houser and C. McDonald. 2007. *Diet Diversity in Emergencies*. Contract S26-06-ODAN-01. Report to the World Food Programme.
- Dobie, P., B. Shapiro, P. Webb and M. Winslow. 2007. How do Poor People Adapt to Wealth Variability and Natural Disasters Today? *Occasional Paper 2007/24*. Human Development Report Office. New York.
- Webb, P. and K. Hendricks. 2007. Assessment of Nutrition Programming by the Hospital Albert Schweitzer, Deschappelles, Haiti. August 17, 2007.
- Webb, P. 2005. Fortifying Villages. *Vitamin and Mineral Damage: A Global Progress Report*. New York: UNICEF/Micronutrient Initiative. [Box p.22]
- Steyer, N., M. Gordon, S. Kaufmann, and P. Webb. 2005. Post-Tsunami Emergency Needs Assessment in Aceh, Indonesia. Jakarta, Indonesia.
- LoPriore, C., C. Van Nieuwenhause and P. Webb. 2005. *Best Practice in Using Food to Support Mother and Child Nutrition Interventions*. Rome: WFP.
- Coates, J., P. Webb and R. Houser. 2003. *Measuring Food Insecurity: Going Beyond Indicators of Income and Anthropometry*. Washington, D.C.: Food and Nutrition Technical Assistance Project, Academy for Educational Development.
- Webb, P. 2003. *Food as Aid: Trends, Needs and Challenges in the 21st Century*. WFP. Occasional Paper No. 14. Rome. [**Translated into 8 languages**]
- Webb, P. and B. Rogers. 2003. *Putting the "In" back into Food Insecurity*. Office of Food for Peace/USAID. Occasional Paper No.1. Washington, D.C.
- Webb, P. and S. Kadiyala. 2003. *40 Years of Fighting Hunger*. Rome: WFP
- Yohannes, Y. and P. Webb. 1999. *Classification and Regression Trees, Cart™: A User Manual for Identifying Indicators of Vulnerability to Famine and Chronic Food Insecurity*. Microcomputers in Policy Research Report No. 3. International Food Policy Research Institute, Washington, D.C.
- Webb, P. 1998. Isolating Hunger: Reaching People in Need Beyond the Mainstream. In *Time for Change: Food Aid and Development*. Rome: WFP
- Pena, C., P. Webb and L. Haddad. 1997. Women's Advancement Through Agricultural Change: A Review of Donor Experiences. *Discussion Paper No. 10*. Washington, D.C.: International Food Policy Research Institute.

Webb, P. (with others). 1996. *Sustaining the Hungry in a World Full of Food: Tasks Ahead for Food Aid*. Rome: UN World Food Programme.

Webb, P. 1996. *Ending the Inheritance of Hunger: Food Aid for Human Growth*. Rome: UN World Food Programme.

Webb, P. (with others). 1995. *Investing in the Poor to Prevent Emergencies*. Rome: IFAD/European Commission.

von Braun, J., T. Teklu and P. Webb. 1991. *Labor-Intensive Public Works for Food Security*. Working Papers on Food Subsidies No. 6.

Webb, P. 1989. *Intrahousehold Decision-making and Resource Control: The Effects of Rice Commercialization In West Africa*. Working Papers on Commercialization of Agriculture No.3. Washington, D.C.: IFPRI.

Webb, P. and S. Moyo. 1993. *Experience with Labor-Intensive Public Works in Zimbabwe*. Report to GTZ. Washington, D.C.: IFPRI. Mimeo.

von Braun, J., K. Johm, S. Kinteh, D. Puetz and P. Webb. 1989. *Structural Adjustment, Agricultural Development Constraints, and Welfare of the Rural Poor in The Gambia*. Report to GTZ. Washington, D.C.: IFPRI.

e) Books edited and/or contributed to

- WFP/ECLAC (Economic Commission for Latin America and the Caribbean). 2007. *El Costo del Hambre: Impacto Economico y Social de la Desnutricion Infantil*. Panama City, Panama. [Contributor and reviewer].
- *World Hunger Series 2008: Hunger and markets*. Stanford, CA: Stanford University Press for World Food Programme. [Webb contributed to this annual report as contributing author, editorial advisor and peer reviewer].
- *World Hunger Series 2007: Hunger and Health*. Stanford, CA: Stanford University Press for World Food Programme. [Webb contributed to this annual report as contributing author, editorial advisor and peer reviewer].
- *World Hunger Series 2006: Hunger and Learning*. Stanford, CA: Stanford University Press for World Food Programme. [Webb contributed to this annual report as contributing author, editorial advisor and peer reviewer].
- WFP/CDC. 2006. *Measuring Malnutrition and Mortality: A Field Manual*. Rome: World Food Programme and Centers for Disease Control and Prevention (Atlanta). [Webb was overall editor and a contributing author]
- Principal Editor (and contributing author) for *Enabling Development: Food Assistance in South Asia*. 2001. New Delhi: Oxford University Press/WFP.

Curriculum Vitae - **Patrick Webb****f) Invited book reviews (published)**

- Webb, P. 2006. Editorial Commentary: 3 Nutrition Policy Papers for WFP. *Food and Nutrition Bulletin*. 27 (1): 46-75.
- Webb, P. 2003. Review of Reusse, E. The Ills of Aid: An Analysis of Third World Development Policies. Chicago, Ill: University of Chicago Press. In *Quart. Jou. of Int. Agriculture*. No.1 (Spring).
- Webb, P. 2001. Review of Marchione, T.J. (ed.) 1999. Scaling Up, Scaling Down: Overcoming Malnutrition in Developing Countries. Amsterdam, The Netherlands: Gordon Breach Publishers. *Food Policy*. 26 (1): 97-105.
- Webb, P. 2001. Review of Ahmed, R., S. Haggblade, and T. E. Chowdhury (eds.) Out of the Shadow of Famine. Baltimore, M.D.: Johns Hopkins University Press/IFPRI. In *Quart. Jou. Int. Agric.* No.4 (Winter).
- Webb, P. 2000. Review of Kracht, U and M. Schulz (eds.) 1999. Food Security and Nutrition: The Global Challenge. New York, NY: St. Martin's Press/LIT Verlag. In *Quart. Jou. Int. Agriculture*. 39 (1): 124-125.
- Webb, P. 1997. Review of 'Famine Early Warning and Response—The Missing Link', by Buchanan-Smith, M., and S. Davies. London. Intermediate Technology Publications (1995). In *Disasters*, 21 (2): 186-7.

g) Invited Lectures/Speeches (selected)

- Webb, P. *Responding to the World Food Crisis: What Role for Food-Based Safety Nets?* Seminar at the World Bank, Washington, D.C., Oct 2, 2008.
- Webb, P. *Recommendations of an International Review of the Global Architecture of Nutrition*. **Presentation to plenary, UN Standing Committee on Nutrition, annual meeting**, March 4, 2008, Hanoi.
- Webb, P. *Education, Knowledge and Choices*. Presentation to the Working Group on School-Aged Children, UN/SCN, March 5, 2008 Hanoi.
- Webb, P. *Scaling up National Nutrition Programming*. Presentation to all UNICEF Asia country representatives, Bangkok Feb 29, 2008.
- Webb, P. *Therapeutic treatment of severe acute malnutrition*. Convening of nutrition experts on UNICEF global strategy, NYC, December 17/18, 2007
- Webb, P. Dietary diversity in a Changing World. Presentation at Global Health Challenge, McGill University, Montreal, November 9, 2007.
- Webb, P. *Challenging the Status Quo on Child Malnutrition*. **Opening speech to conference on 'Integrating Food, Nutrition and Health: Making the Case'**, co-hosted by Partners in Health, the Friedman School of Nutrition at Tufts, and Harvard School of Public Health, October 11-12, 2007, Cambridge, Mass.
- Webb, P. *Global Issues in Nutrition relevant to Haiti*. Presentation to medical staff of Albert Schweitzer Hospital-Haiti, July 6, 2007. Deschappelles, Haiti.
- Webb, P. *Dietary Diversity*. Presentation at Nutrition Convening at Bill and Melinda Gates Foundation, Seattle, July 31, 2007.
- Webb, P. *How are we doing on MDG1?* **Presentation to ECOSOC** in context of 1st Annual Ministerial Review. UN HQ. New York, April 2, 2007.
- Webb, P. *Tackling Hunger in Emergency and Development Settings*. Walker Institute Symposium on Global Issues: Responding to Global Hunger, University of South Carolina, Columbia, South Carolina, April 5, 2007.

- Webb, P. *Integrating Nutrition in Development Programmes*. Panel presentation and discussion at USAID/USDA International Food Aid Conference, Kansas City, Missouri, April 18, 2007
- Webb, P. *Integrating Nutrition in Humanitarian Action*. Seminar at Harvard School of Public Health, Boston, April 30, 2007.
- Webb, P. 2006. *Multilateralism and Humanitarian Principles in the 21st Century*. **Inaugural address for Harvard, MIT, Tufts seminar series on UN affairs**, MIT, Boston, Oct 25.
- Webb, P. 2006. *The New Food Aid Agenda*. American Agricultural Economics Association, Long Beach, California. July 25
- Webb, P. 2006. *Humanitarianism and Foreign Policy in North Korea: When Success Breeds Failure*. Presentation at Harvard Law School, Boston, Feb 16.
- Webb, P. 2005. *Local Purchases and the Effectiveness of Development Aid*. Panel presentation and discussion (alongside Andrew Natsios, Administrator of USAID) chaired by Peter Timmer at the Center for Global Development, Washington, D.C. December 9, 2005.
- Webb, P. 2005. *Global Nutrition: Trends, Success Stories and Challenges*. **Keynote address** for the International Symposium on Nutrition: Undernutrition and Obesity. World Food Prize. Des Moines, Iowa Oct 14.
- Webb, P. 2004. *The Causes of Food Insecurity and Malnutrition*. **Keynote Address** for Workshop on Will Food Insecurity Ever Be Achieved?, Odense, Denmark, November 22-25.
- Webb, P. 2004. *Nutrition in Asia: Challenges of the 21st Century*. **Keynote Address** for the Regional Ministerial Consultation on Maternal and Child Nutrition in Asia. New Delhi, India, Sept 24/25.
- Webb, P. 2004. *Nutrition and Development*. Presentation at the Institute of Social Studies, The Hague, Holland. March 2.
- Webb, P. 2004. *GMOs and Food Assistance*. Serate di conversazione su temi di attualita. Collegio dei Professori Gesuiti, February 2, 2004, Naples, Italy.
- Webb, P. 2003. *Policies Against Hunger: The Multilateral Perspective*. International Conference on Food Aid, September 4-6, Berlin, Germany.
- Reardon, T., P. Webb and C. P. Timmer. 2002. *Supermarkets and Nutrition in Developing Countries: Hypotheses and Emerging Evidence*. World Bank Conference on Emerging Issues in Nutrition, Nov 22/23, Washington, D.C
- Webb, P. 2002. *The role of agricultural and trade policies in food security*. Talk to combined Boards on Agriculture and Natural Resources and Food and Nutrition. National Academies of Science, Nov 5, Washington, D.C.
- Webb, P. 1997. *Alfred Nobel's Influence on Rural Development Today*. Talk at the Institute for Rural Development, Nov. 14, University Göttingen, Germany
- Webb, P. 1997. *Famine Disproves Hegel—We Can Learn from the Past*. Paper presented at Agrarökonomisches Kolloquium, Christian-Albrechts-Universität, Kiel, Germany, May 13.
- Webb, P., J. von Braun and B. Rose. 1993. *The Key Role of Agricultural Development in Third World Food Security*. Testimony before US House of Representatives' Committee on Agriculture, June 9, Washington, D.C.

Curriculum Vitae - **Patrick Webb****g) Media Contributions**

- La Presse Montréal*, Interviewed for, and cited, in article by Stéphanie Bérubé on 'Rencontre sur les crises alimentaires', Nov 9, 2008 (p.A10).
- National Public Radio*. Interviewed by Michael Sullivan for *Morning Edition* on The Year Without Summer (1816), aired October 22, 2007.
- Christianity Today*. Extensively cited in article, *On the Edge of Famine Politics hinders aid to 11 million East Africans*, by Dean Alford, June 01, 2006.
- BBC World Service*. April 20, 2006. Live interview on *News Hour* by Robin Lustig on implications of bird flu to nutrition in Africa.
- Interviews on Swiss, French Canadian and Malaysian TV, as well as French and Danish radio*. January 2005. On the impact and humanitarian response to the Asian tsunami. In Aceh, Indonesia.
- India News Today*. September 25, 2004. Live interview on *Inside the News* on nutrition problems in India. **Estimated audience 400 million.**
- BBC World Service*. July 24, 2002. Radio panel discussion on the food crisis in southern Africa aired on the *Talkabout Africa* series.
- Voice of America*. February 1999. Interview on the Politics of Food Aid to Russia.
- National Public Radio* (Washington D.C.), December 1996. Interview on the Humanitarian Crises in Rwanda and Bosnia.
- Deutsche Welle* (Berlin). December 1996. Interview on the future of agriculture and natural resource management in the 21st century.
- BBC World Service*. September 1994. 'Development '94'. Interview on hunger and famine and commemoration of the Irish Famine.
- BBC*. July 1992. *Religion Today*. Interview on food insecurity in Ethiopia.
- Voice of Ethiopia*. July 26, 1991. Interview on the future of Ethiopian agriculture.
- Palo Alto Voice*. Interviewed and extensively cited for article by Jenny Cox on *Aid to Africa: Success or Stalemate*. April 8, 2006.
- Foodconsumer.org*. 'Sound nutrition for children is an unmet human right'. Review of Webb's keynote speech at the 2005 World Food Prize. Feb 09, 2006.
- Bloomberg News*. Cited in article by Mark Drajem called *Bush Courts Charities in Bid to Change Foreign Food-Aid Program*, January 25, 2006
- Global News Wire - Intelligence Wire*: Yonhap "North Korea example of how food, development aid should not be separate" Washington, D.C. December 10, 2005.
- January 2005. *Associated Press, Wall Street Journal, Agence France Press, Reuters, Christian Science Monitor*. Interviews on the relief efforts post-Tsunami.
- Baltimore Chronicle*. April 7, 2005. Interviewed for article called 'UN Calls Adequate Nutrition "Critical" in Achieving Millennium Development Goals', by Clare Davidson
- El Pais*. 2004. Interviewed for article by John Carlin called *Ocho razones por las que hay hambre en el mundo*, December 6.
- New York Times*. 2004. Personal interview quoted in article by Donald McNeil called *When Real Food Isn't an Option*, May 23 (*The Week in Review* section).
- The Lancet*. 2004. Personal interview featured in 'Lifeline' column, May 15, p.1658
- Le Figaro*, France. 2002. Quoted at length in article called "Famine again threatens Ethiopia and Eritrea" by Richard Heuze, November 19.
- Die Zeit*, Germany. 2002. Full article authored by P. Webb on 'The Uncertain Path of Transition: Food, Nutrition and Poverty Dynamics in SE Asia' [online http://www.zeit.de/reden/Weltpolitik/200217_symposium_webb.html]

- Myanmar Times*. 2002. Cited in *Study Reveals Poor Child Nutrition*. June 23, p2.
- Nutrition Week*. 2002. Quoted in article on *Unlocking the Rice Genome*, by Sarah Olson. April 15, pp 2/3.
- IFPRI News & Views*. 2002. Extensively cited in an article by Heidi Fritschel called *Dying for a Drink of Water*. Dec 2002, pp1-8.
- Christian Science Monitor*. 1999. Quoted in *Latest US Diplomatic tool; corn and grain*. Article by Jonathan Landay, Feb. 9th, pp. 2/3.
- Nutrition Week*. 1999. *Famine Needs Long-Term Solutions to End Its Cycle*. Contributed article with Christopher Silva, January 29, p.3
- IFPRI News & Views*. 1998. Interviewed for article for Heidi Fritschel. *The Outlook for Food Aid*. 2020 Brief, Nov 1998, pp1-8
- Der Steinadler*. 1997. Interviewed for article by Natalie Bundi. *Where is the food going?* March 6, 1997.
- The International Guardian Weekly*. 1996. *Rich Man's Food, Poor Man's Food*. Contributed letter published December 8, 1996.
- Farmers Weekly*. 1996. Quoted in article by G. Tansey. *'Food for All' May Proves the Toughest Task*. July 19, 1996.
- The Financial Times*. 1995. Quoted in article. *Population growth provides food for thought*. June 13, 1995.
- Washington Times*. 1995. Quoted in article by B. Barber. *Uncle Sam's cupboard is bare: U.S. runs out of surplus food*. April 13, 1995.
- National Geographic*. 1994. Interviewed for, and quoted in, book called: *Our Changing Earth*. Washington, D.C.: National Geographic Magazine.
- New Scientist*. 1994. *No Panacea*. Contributed letter published April 9, 1994.
- Reuters*. 1992. Interviewed for Reuters press release. *Western Aid Could End Famine in Ethiopia, Expert Says*. July 6, 1992.
- The Washington Post*. 1992. *Improving the Governing*. Contributed Editorial, published July 11, and reprinted in the Herald Tribune July 13, 1992
- The Ethiopian Herald*. 1992. Interviewed for report on *Workshop on Drought and Famine Mitigation Under Way*. Published July 3, 1992.

h) Consultancies (selected)

- Nov 2008 **UN World Food Programme (WFP)** Impact evaluation of protracted relief - Jan 2009 and rehabilitation operation in Burkina Faso.
- July 2008 **DIAGEO**. Feasibility study for research in Mexico on consumer perceptions - - Oct 2008 and behaviour with regard to food and beverage safety and adulteration.
- May 2008 **UNITAID**. Expert reviewer of proposals and concept notes submitted to the Board of UNITAID for funding.
- April 2008 **Bill and Melina Gates Foundation**. Participation in External Expert Agricultural Strategy Review, Seattle, April 17-18, 2008.

- Feb 2008 **UNICEF**. Review of the UN Standing Committee on Nutrition. Organized
 Mar 2008 and hosted think tank of experts; reported to plenary meeting of SCN in Hanoi.
- Jan 2008 **CARE/OXFAM**. Commissioned to write background paper on issues and
 Apr 2008 challenges in food security programming in the context of emergencies, and
 facilitation of NGO Forum on this topic, Rome April 15-16, 2008.
- May 2007 **Bill and Melina Gates Foundation**. Assessment of Gates' Challenge Grant to
 Mar 2008 *Harvest Plus* on biofortification (breeding of micronutrient-rich crops).
- July 2006 **FAO (Food and Agriculture Organization of the United Nations)**
 May 2007 Sector lead (emergency portfolio) in a 30 person technical review of FAO as
 part of the Global Independent External Evaluation (IEE).
- Nov 2002 **Food for Peace (USAID)**. Commissioned to draft a technical background
 Jan 2003 paper providing the basis for USAID's food security strategy for 2004-2008.
 Involved in scoping discussions regarding FFP policy roll-out.
- Nov-Dec **UN World Food Programme (WFP)**.
 1999 Member of UN mission to review WFP's Country Programme and advise
 on future directions for targeted food aid and nutrition interventions in India.
- Jan 1993 **CARE (USA)**. Prepared conceptual framework for a CARE strategy for
 food security projects. Report distributed to all field offices.
- Apr 1990 **OFDA (U.S. Office of Foreign Disaster Assistance)**. Helped formulate
 strategy for humanitarian relief in Africa.
- Jan/Feb **USAID**. Mission to Tunisia to train FEWS field staff in improved
 1990 techniques for Famine Early Warning.
- Jun 1989- **UNICEF (Emergency Preparedness Division)** Evaluated two Cash-for-
 Dec 1989 Work projects in Ethiopia. Baseline study of 2 irrigation projects
- Oct 1983- **World Bank (Operations Evaluation Department)** Evaluated 10 World
 Dec 1983 Bank rice irrigation projects in The Gambia. Report published as: *Farm
 Survey: Impact Evaluation Report - Agricultural Development Project*.
 Report No.5125. Washington, D.C. 1984.