

## NORMAN T. UPHOFF - CURRICULUM VITAE

Professor Emeritus of Government and International Agriculture, Cornell University;  
Senior Advisor, SRI International Network and Resources Center (SRI-Rice),  
International Programs, College of Agriculture and Life Sciences; and  
Core Faculty Member, Cornell Institute for Public Affairs (CIPA)

**Office Addresses:** SRI-Rice, B75 Mann Library Phone: (607) 255-2920  
E-mail: [ntu1@cornell.edu](mailto:ntu1@cornell.edu)  
151 Martha van Rensselaer Hall Phone: (607) 255-1902  
Cornell University, Ithaca, NY 14853

**Home Address:** 378 Savage Farm Drive, Ithaca, NY 14850 Phone: (607) 257-6660

**Education:** B.A., University of Minnesota, 1963  
M.P.A., Princeton University, 1966  
Ph.D., University of California, Berkeley, 1970

### **PUBLICATIONS** by subject:

- The System of Rice Intensification (SRI)
- The System of Crop Intensification (SCI)
- Agroecology and Microbiology
- Sustainable Agriculture
- Natural Resource Management
- Food Security, Poverty and Environmental Issues
- Irrigation Management
- Participatory Development
- Rural Local Organization and Institutional Development
- NGOs, Social Capital, Civil Society and Empowerment
- Comparative and Developmental Politics
- Development Administration
- Development Strategy and Policy
- Development Cooperation and Assistance
- Policy Analysis
- African Politics
- International Studies

## **The System of Rice Intensification (SRI)**

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Developing institutional capabilities for environmental leadership, with R. Barker, in: ***Educating New Environmental Leadership in Asia***, eds. K. Hemmi and J.C. Cool, Morrilton, AR: Winrock International Institute for Agricultural Development (1995).

***Sustainable Development and Biodiversity: Complementarities and Conflicts***, co-editor of proceedings of international symposium at Cornell University, September 1991, CIIFAD, Ithaca, NY (1992).

### **Food Security, Poverty and Environmental Issues**

***Climate Change and Global Food Security***, co-editor with R. Lal, B. A. Stewart and D. Hansen, CRC Press, Boca Raton, FL (2005).

Bridging qualitative-quantitative differences in poverty appraisal: Self-critical thoughts on qualitative approaches, in: ***Q-Squared: Combining Quantitative and Qualitative Methods in Poverty Appraisal***, ed. R. Kanbur, Permanent Black Publishers, Delhi (2002).

***Food Security and Environmental Quality***, co-editor with R. Lal, D. Hansen and S. Slack, CRC Press, Boca Raton, FL (2002).

Poverty and inequality: A life chances perspective; and Reconciling food security with environmental quality in the 21st Century, in: ***Food Security and Environmental Quality in Developing Countries***, co-editor with R. Lal, D. Hansen and S. Slack, Lewis Publishers (2002).

### **Irrigation Management**

Toward new and sustainable models of organisation for better irrigation management, in: ***Participatory Irrigation Management: Paradigm for the 21st Century***, eds. L. K. Joshi and R. Hooja, Rawat Publications, New Delhi (2000).

Learning from Gal Oya: Reflections on participatory management, In: ***Gal Oya Development Scheme, Golden Jubilee, 1949-1999***, Committee for the Gal Oya Golden Jubilee, Irrigation Department, Colombo, Sri Lanka (1999).

Understanding the world as a heterogeneous whole: Insights into systems from work on irrigation, ***Systems Research***, 13:1 (1996).

***Learning from Gal Oya: Possibilities for Participatory Development and Post-Newtonian Social Science***, Cornell University Press, Ithaca, NY (1992); paperback edition with new introduction, Intermediate Technology Publications, London (1996).

***Managing Irrigation: Analyzing and Improving the Performance of Bureaucracies***, with P. Ramamurthy and R. Steiner, Sage Publications, New Delhi (1991).

'Optimal' participation in irrigation management: Issues and evidence from Sri Lanka, with M. L. Wickramasinghe and C. M. Wijayaratna, ***Human Organization***, 49:1 (1990).

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***Improving Policies and Programs for Farmer Organization and Participation in Irrigation Management***, with R. Meinzen-Dick and N. St. Julien, Water Management Synthesis Project Paper No. 1, Irrigation Studies Group, Cornell University (1985).

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### **Participatory Development**

Participation's place in rural development: Seeking clarity through specificity, with J.M. Cohen, in: ***The Participation Reader***, ed. A. Cornwall, Zed Books (2011).

Foreword to ***Community Participation in China: Issues and Processes for Capacity Building***, eds. J. Plummer and J. G. Taylor, Earthscan, London (2004).

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*Learning from Gal Oya: Possibilities for Participatory Development and Post-Newtonian Social Science*, Cornell University Press, Ithaca, NY (1992); paperback edition with new introduction, Intermediate Technology Publications, London (1996).

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Prospects and issues for participatory management in farm-level operation and maintenance, in: *Improvement in Farm-Level Infrastructures*, ed. C. M. Wijayaratna, Asian Productivity Organization, Tokyo (1995).

Fitting projects to people, in: *Putting People First: Sociological Variables in Rural Development*, ed. M. Cernea, Oxford University Press (1985); revised in paperback edition (1991); translated edition in Indonesian, Penerbit Universitas Indonesia (1988).

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*Rural Development Participation: Concepts and Measures for Project Design, Implementation and Evaluation*, with J.M. Cohen, Rural Development Committee, Cornell University (1977).

### **Rural Local Organizations and Institutional Development**

*Strengthening Rural Local Institution Capabilities for Sustainable Livelihoods and Equitable Development*, with L.E. Buck. Paper for the Social Development Department, World Bank, Washington (2006).

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- Farmer organization in Gal Oya: Improving irrigation management in Sri Lanka, with C. M. Wijayaratna, in: *Reasons for Hope: Instructive Experiences in Rural Development*, Kumarian Press (1997).
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- Grassroots organizations and NGOs in rural development: Opportunities with diminishing states and expanding markets, *World Development*, 21:4 (1993); also in: *States, Markets and Civil Organizations: New Theories, New Practices and Their Implications for Rural Development*, eds. A. de Janvry, S. Radwan, E. Sadoulet and E. Thorbecke, Macmillan (1995).
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- Meta-methodological approaches to institutional development, in: *Sharing Experiences of Technical Cooperation: Institutional Development in Asia*, Foundation for Advanced Studies on International Development, Tokyo (1993).
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- Rural Development and Local Organization in Asia*, editor and contributor, Vol. I: South Asia; Vol. II: East Asia; and Vol. III: South Asia. Macmillan, New Delhi (1982-1983).
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- Local Organization for Rural Development: Analysis of Asian Experience*, with M.J. Esman, Cornell Rural Development Committee monograph, Cornell University (1974).
- The time dimension in institution building, with W.F. Ilchman, in *Institution Building and Development: From Concepts to Application*, ed. Joseph Eaton, Sage Publications (1972).

## **NGOs, Social Capital, Civil Society and Empowerment**

A remarkable civil society contribution to food and nutrition security in Madagascar and beyond, with Glenn Lines, in: *Food and Nutritional Security in the Process of Globalization and Urbanization*, eds. U. Kracht and M. Schulz, Lit-Publisher, Münster, Germany (2005).

Analytical issues in measuring empowerment at the community and local levels, in: *Measuring Empowerment: Cross-Disciplinary Perspectives*, ed. Deepa Narayan, World Bank, Washington (2005).

Social capital and irrigation management: Bringing rigor and evidence to the relationship, in: *Asian Irrigation in Transition: Responding to Challenges*, eds. G. Shivakoti, D. Vermillion, W. F. Lam, E. Ostrom, U. Pradhan and R. Yoder, Sage Publications, New Delhi (2005).

Civil society and public sector institutions: More than a zero-sum relationship, with A. Krishna, *Public Administration and Development*, 24:1 (2004).

Making social capital more than a descriptive term to support initiatives for poverty reduction, in: *Social Capital and Poverty Reduction in Latin America and the Caribbean: Towards a New Paradigm*, eds. R. Atria et al., UN-ECLA, Santiago, Chile (2004).

El capital social y su capacidad de reducción de la pobreza, in: *Capital Social y Reducción de la Pobreza en América Latina y el Caribe: En busca de un nuevo paradigma*, eds. R. Atria and M. Siles, Comisión Económica para América Latina y el Caribe, and Michigan State University, Santiago, Chile (2003).

Mapping and measuring social capital through assessment of collective action to conserve and develop watersheds in Rajasthan, India, with A. Krishna, in: *Social Capital: Empirical Explorations*, eds. C. Grootaert and T. van Bastelaer, Cambridge University Press, Cambridge, UK (2002).

Demonstrated benefits from social capital: The productivity of farmer organizations in Gal Oya, Sri Lanka, with C. M. Wijayarathna, *World Development*, 28:11 (2000).

Understanding social capital: Learning from analysis and experience of participation, in: *Social Capital: A Multifaceted Perspective*, eds. P. Dasgupta and I. Serageldin, World Bank, Washington (1999).

*Measuring and mapping social capital: A conceptual and empirical study of collective action in conserving and developing watersheds in Rajasthan, India*, with A. Krishna, Social Capital Initiative Series Working Paper No. 13, World Bank, Washington (1999).

Why NGOs are not a third sector: A sectoral analysis with some thoughts on accountability, sustainability and evaluation, in: *Beyond the Magic Bullet: NGO Performance and Accountability in the Post-Cold War World*, eds. D. Hulme and M. Edwards, Earthscan/Kumarian Press, London (1995).

Foreword to *Reluctant Partners? Non-Governmental Organizations, the State, and Sustainable Agricultural Development*, eds. J. Farrington and A. Bebbington, with K. Wellard and D.J. Lewis, Routledge, London (1993).

## Comparative and Developmental Politics

*The Political Economy of Change*, with W. F. Ilchman, revised edition, Transaction Books, New Brunswick, NJ (1998); originally published in 1969.

Distinguishing among power, authority and legitimacy: Taking Max Weber at his word using resource-exchange analysis, *Polity*, 22:2 (1990).

Political considerations in human development, in: *Implementing Programs of Human Development*, ed. P. J. Knight, World Bank Staff Working Paper No. 402, Washington (1980).

Beyond the economics of labor-intensive development: Politics and administration, with W.F. Ilchman, *Public Policy*, 9:3 (1974); reprinted in *Ekistics*, August (1975).

*The Political Economy of Development*, with W.F. Ilchman, University of California Press, Berkeley (1972).

*The Political Economy of Change*, with W.F. Ilchman, University of California Press, Berkeley (1969); paperback (1971); translations: *La Ciencia Política en la Economía Dinámica*, Limussa-Wiley, Mexico City (1971); *Le Changement Politique à la Lumière de l'Analyse Économique*, Les Éditions Inter-Nationales, Paris (1975).

## Development Administration

Development professionalism, in *Revolutionizing Development: Reflections on the Work of Robert Chambers*, eds. A. Cornwall and I. Scoones, Earthscan, London, UK (2011).

Productivity in public administration: Some post-Newtonian perspectives, in: *Conquering Politico-Administrative Frontiers*, ed. L.V. Cariño, University of the Philippines Press, Quezon City (1995).

*Puzzles of Productivity in Public Organizations*, editor, Institute of Contemporary Studies Press, San Francisco (1994).

Catalyzing self-management capabilities: A post-Newtonian perspective from a Sri Lankan irrigation system, *Journal of Human Systems Management*, 13:2 (1994).

Drawing on social energy in project implementation: Results of a learning process approach to improving irrigation management in Sri Lanka, *Sri Lanka Journal of Development Administration*, 6:2 (1989).

Participatory evaluation of farmer organizations' capacity for development tasks, *Agricultural Administration and Extension*, 30:1 (1988).

Bureaucratic reorientation for agricultural research and development, with D. C. Korten, in *Higher Yielding Human Systems for Agriculture*, eds. W. F. Whyte and D. Boynton, Cornell University Press (1983).

*Bureaucratic Reorientation for Participatory Rural Development*, with D. C. Korten, NASPAA Working Paper No. 1, National Assoc. of Schools of Public Affairs and Administration, Washington, DC (1981).

Special Issue on Factors of Administrative Productivity, guest editor and contributor, *Philippine Journal of Public Administration*, 12:2 (1973).



An introduction to institution building: What it is and what it can do, in *Proceedings of Seminar on Institution Building and Development*, Centre for Economic Development and Administration, Tribhuvan University., Kathmandu, Nepal (1971).

### **Development Strategy and Policy**

Foreword to *Learning from the Field: Innovating China's Higher Education System*, eds. R. Vernooy, Li X., Xu X., Lu M. and Qu G., Foundation Books/IDRC, Ottawa (2008).

The integration of rural development research and community service, *Acta Academica*, 37:2 (2005).

A double reorientation to improve nutrition and health: Linking the agricultural and medical sciences with a food-systems perspective, in: *Improving Health and Economic Development: Approaches to Preventing Diet-Related Rickets: Proceedings, Dhaka, November 25, 2000*, ed. G. F. Combs, CIIFAD (2001).

Chinese research and extension linkages: A farmer-centered approach, with Li X.Y. (in Chinese), in special issue on Science & Technology Policy, *Hebei Agricultural University Journal*, China (2000).

Rural development strategy for Indonesian recovery: Reconciling contradictions and tensions, in: *Indonesia's Economic Crisis: Effects on Agriculture and Policy Responses*, eds. P. Simatupang et al., Centre for International Economic Studies, University of Adelaide (1999).

Foreword to *Indigenous Organizations and Development*, eds. D. M. Warren and P. Blount, Intermediate Technology Publications, London (1996).

*Food-Based Approaches to Preventing Micronutrient Malnutrition - An International Research Agenda: Proceedings of an International Symposium, Salt Lake City, November, 1995*, co-editor, CIIFAD, Ithaca, NY (1996).

*Poverty Alleviation with Sustainable Agricultural and Rural Development in Indonesia: Proceedings of National Seminar and Workshops*, co-editor, Centre for Agro-Socioeconomic Research, Bogor, and CIIFAD, Ithaca, NY (1992).

*A Field Training Guide for Group Enterprise Management*, with P. Norton, People's Participation Programme, FAO, Rome (1990).

Rural development strategy: The central role of local organization and changing supply-side bureaucracy, in: *Studies in Agrarian Reform and Rural Poverty*, FAO, Rome (1984).

Implications for development policy, in *Higher Yielding Human Systems for Agriculture*, eds. W. F. Whyte and D. Boynton, Cornell University Press (1983).

*Paraprofessionals in Rural Development*, with M. J. Esman and others, Cornell Rural Development Committee monograph, Cornell University (1980).

On assessing the appropriateness of 'appropriate' technology, *Journal of Development and Administrative Studies*, Kathmandu, 1:2 (1979).

The organization of rural development: Reflections on Asian experience, with M.J. Esman, in: *Dynamics of Development: An International Perspective*, Vol. II, ed. S. K. Sharma, Concept Publishing Company, New Delhi (1977).

Accelerating the movement to smaller families. *Development Forum*, UNDP, January-February (1977).

The credit connection: Cultural and social factors affecting small farmer participation in credit programs, with C. Gillette, in *Credit for Small Farmers in Developing Countries*, ed. G. Donald, Westview Press, Boulder, CO (1976).

*Research and Training for Extended Rural Development in Asia*, with others, Cornell Rural Development Committee monograph, Cornell University (1974).

Rural public works: An analytical discussion, in *New Dimensions in Nepal's Development*, ed. P.P. Pradhan, Centre for Economic Development and Administration, Kathmandu, Nepal (1973).

The expansion of employment associated with growth of GNP, *Economic Bulletin of Ghana*, second series, 2:4 (1972).

### **Development Cooperation and Assistance**

Ethnic cooperation in Sri Lanka: Through the keyhole of a USAID project, in: *Carrots, Sticks and Ethnic Conflict: Rethinking Development Assistance*, eds. R. J. Herring and M. J. Esman, University of Michigan Press (2000).

Hard payoffs from soft resources: Transforming irrigation systems in Sri Lanka, in: *Transforming Development: A Future for Aid*, ed. J. Freedman, University of Toronto Press (2000).

Collaborations as an alternative to projects: Cornell experience with university-NGO-government networking, *Agriculture and Human Values*, 13:2 (1996).

Paraprojects as new modes of international assistance, *World Development*, 18:10 (1990).

Ghana's use of external assistance, 1957-1966: A supradisciplinary analysis of development, *Studies in Comparative and International Development*, 7:3 (1972).

*Ghana's Experience in Using External Aid for Development, 1957-1966: Implications for Development Theory and Policy*, Institute of Development Studies, University of California, Berkeley (1970).

### **Policy Analysis**

Public policy and organization theory, with W.F. Ilchman, in *Organization Theory and Public Policy*, eds. R. Hall and R. Quinn, Sage Publications (1983).

Integrating policy studies in political science, *Policy Studies Journal*, 1:4 (1973).

### **African Politics**

The rise and persistence of Nigeria's General Gowon, *Pan-African Journal*, 5:3 (1973).

After the Nigerian civil war: With malice toward whom? *Africa Today*, 17:2 (1970).

An element of repetition in Ghanaian elections, 1956 and 1969, *The Legon Observer*, Ghana, 5:1 (1970).

### **International Studies**

*The Student Internationals*, with P. Altbach, Scarecrow Press, Metuchen, NJ (1973).

*The Air War in Indochina*, with R. Littauer, Beacon Press, Boston (1972).

## **HONORS AND AWARDS**

Olam Prize for Innovation in Food Security, for research and promotion of the System of Rice Intensification, presented at the 3<sup>rd</sup> international conference on Climate-Smart Agriculture, Montpellier, France, 2015.

University of Alberta, Edmonton, Canada: 10<sup>th</sup> Bentley Lecture on Sustainable Agriculture, 2012.

International Society for Paddy and Water Environment Engineering: Reviewers Award for 2011, presented at the 11<sup>th</sup> International Meeting of PAWEES, Taipei, 2011

Tropical Agriculture Association: 2<sup>nd</sup> Hugh Bunting Memorial Lecturer, University of Reading, UK, 2007

Supporting Entrepreneurs for Environment and Development: SEED Award in 2005, program established by UNDP, UNEP and IUCN; CIIFAD-led consortium for promotion of SRI methods to grow and market indigenous rice varieties was one of 5 awardees selected by international panel from >250 nominations; in 2015, award was selected as one of the best 10 of the decade

University of the Free State, Bloemfontein, South Africa: Extraordinary Professor, 2003-05.

University of Minnesota Alumni Association, USA: Distinguished Achievement Award, 2002.

Farmer-Managed Irrigation Systems Trust, Kathmandu: Lifetime Achievement Award, 2002.

University of Pretoria, South Africa: Extraordinary Professor, 2000-2002.

Society for the Advancement of Socio-Economics: Founder's Prize for the best paper at SASE 6th international meetings, Paris, 1994.

International Society for the Systems Sciences: W. Ross Ashby Memorial Lecturer, 37th annual meeting of the ISSS, Richmond, NSW, Australia, 1993.

American Institute of Indian Studies: research fellowship for sabbatical year at Centre for the Study of Developing Nations, New Delhi, India, 1986-1987, declined.

U.S. Social Science Research Council: research fellowship for sabbatical year at Agrarian Research and Training Institute, Colombo, Sri Lanka, 1978-1979.

## **PROFESSIONAL ORGANIZATION ACTIVITIES OR RESPONSIBILITIES**

Agronomy Society of America/Crop Science Society of America/Soil Science Society of America: joint symposium with World Bank on sustainable agriculture, presentation on SRI, Baltimore, 1998; paper presentation, annual meetings, Tampa, 2017.

American Agricultural Economics Association: international conference on agricultural intensification, economic development, and the environment, paper on participation, Salt Lake City, 1998.

American Friends Service Committee: International Affairs Division Executive Committee, 1971-1974.

American Phytopathological Society/Entomological Society of America: joint conference on soil health, Las Vegas, 1998.

American Political Science Association: panel chairman at annual meeting, Washington, 1984; discussant, Washington, 1988; paper, San Francisco, 1990; panel chair, San Francisco, 1996, Boston, 2002.

American Society for Public Administration: papers presented at annual meeting, Bloomington, 1985, Boston, 1987.

Asian Centre of Innovation for Sustainable Agricultural Intensification, Board of Governors, Asian Institute of Technology, Bangkok, 2013-

Association of Asian Studies: panel discussant, 1976; panel chair at annual meeting, Chicago, 1990.

Association for International Agricultural and Rural Development: panel presentation at 30th annual meeting, Washington, 1994; Action Plan Committee, 1994-95; session chair and facilitator, 1995.

Association Liaison Office for University Cooperation in Development (now Higher Education for Development, HED): Advisory Council, Washington, 1998-2006.

Center for International Exchange of Scholars: reviewer of applications for South Asia fellowships for Fulbright Advisory Committee, 1989-1992.

Committee on Agricultural Sustainability in Developing Countries, Washington: Advisor, 1993-2000.

Council of Directors of National Resource Centers: Executive Committee, 1990-1991.

Institute for Development Research, Boston, MA: International Advisory Committee, 1992-1998.

Institute of Development Studies, Sussex, UK: conference on Planning Models for Income Distribution and Employment, Bellagio, Italy, 1976.

International Center for Self-Governance, Board of Overseers, San Francisco, 1994-1997.

National Association of Schools of Public Affairs and Administration: workshop on Social Development Management, Washington, 1982.

National Center for Food and Agriculture Policy: working group on Intl. Development and Trade, 1996-97.

Overseas Development Council, Washington, DC: Program Committee, 1983-1993.

Pugwash Conference: resource persons for panel on international development cooperation, 39<sup>th</sup> international meeting, Lahti, Finland, 1996.

Society for International Development: panels at 13<sup>th</sup> World Conference, San Jose, Costa Rica, 1972; 14<sup>th</sup> World Conference, Abidjan, Ivory Coast, 1974; presentations to Sri Lanka chapter, Colombo, 1979, and Zimbabwe chapter, Harare, 1982.

Society for the Advancement of Socio-Economics (SASE): paper at 6th meetings in Paris, 1994; member of program committee, panel organizer and panel chair at 8th meetings, Geneva, 1996.

Southeast Asia Development Advisory Group (SEADAG): chair, Development Administration Panel, 1972-1974; conferences on Asian Urban Development, Manila, 1972; Factors of Administrative Productivity, 1974; Administration of Labor-Intensive Development, Singapore, 1974; Future Philippine Development Needs and Alternative US Responses, Belmont, MD, 1975.

U.S. Agency for International Development (USAID): member, Research Advisory Committee, 1982-1989; external advisory committee, New Partnerships Initiative, 1995; Advisory Committee on Voluntary Foreign Assistance, roundtable on civil society, 1998.

U.S. Social Science Research Council, New York: member, South Asia Committee, 1979-1985; conferences on Development of African Bureaucracies, Belmont, MD, 1974; Community Response to Irrigation, Bangalore, India, 1974; Symbolic and Material Dimensions of Agrarian Change in Sri Lanka, Anuradhapura, 1974.

Woodrow Wilson International Center for Scholars: Asia Program Peer Review Panel, 1989-1995.

World Bank, Washington, DC: workshop on Evaluating Human Resource Development, 1980; conference on Agricultural Sector Management, 1981; conference on Institutional Development and the World Bank, 1989; workshop on Popular Participation, 1992; annual conference on Rural Development, 1996; keynote for national conference on Participatory Irrigation Management, New Delhi, 1997; workshop on Local Organizational Capacity, 1997; workshop on Social Capital, 1997; conference on Community-Based Natural Resource Management, 1998; workshop on Measuring Empowerment of the Poor, 2002; World Bank Institute seminar on Climate-smart Agriculture, 2012; presentation to Agriculture Group and 1818 Society, 2016.

World Resources Institute, Washington: policy consultative group meeting, 1992; water resource management consultation, 1995.

### **JOURNAL BOARDS**

*Asia-Pacific Journal of Rural Development* (Centre on Integrated Rural Development for Asia and the Pacific), Editorial Advisory Board, 2004-2008

*International Journal of Agricultural Sustainability*: Co-editor, 2002-2007, Editorial Board, 2007-2016

*Oxford Development Studies*: International Advisory Board, 1995-2002.

*Paddy and Water Environment*: Editorial Board, 2012-

*Policy Sciences*: International Editorial Board, 1998-2002.

*NJAS - Wageningen Journal of Life Sciences*: associate editor, 2009-

### **CONSULTANCIES**

**African Development Foundation**: training program for staff on participatory project appraisal, Washington, DC, 1989.

**Asian Development Bank**: consultant for program evaluation on Institutional Strengthening Project for Irrigation Department and Irrigation Management Division, Colombo, Sri Lanka, 1989.

**Asian Institute of Technology**: consultant for EU-funded project on ‘Sustaining and Enhancing the Momentum for Innovation and Learning with the System of Rice Intensification (SRI) in the Lower Mekong River Basin (LMB), Asian Center of Innovation for Sustainable Agricultural Intensification, 2013-2018.

**Asian Productivity Organization**: resource person for workshop on rural infrastructure, Tokyo, 1993; resource person for workshop on rural local institutions, Colombo, Sri Lanka, 1998;

seminar on decentralization and good governance, Colombo, 2001; seminar on irrigation management, Colombo, 2002; seminar on 'best cases' of rural development, Tokyo, 2003.

**Conrad Hilton Foundation:** review of integrated rural development project proposal for Ghana, 1990; evaluation of Ghana Rural Water Project, 2001.

**Education and World Affairs, NYC:** consultant, National Manpower Board, Lagos, 1966.

**Food and Agriculture Organization:** evaluation of People's Participation Programme, Accra, Ghana, 1986, 1987; participatory evaluation methodology for PPP, 1989; resource person on local institutions for Technical Consultation on Decentralization, Rome, 1997.

**Ford Foundation:** advisor to Centre for Economic Development and Administration, Tribhuvan University, Kathmandu, Nepal, summers, 1972 and 1973.

**German Foundation for International Development (DSE):** training on participatory management of irrigation projects, Feldafing, Germany, 1989, 1990; training on self-help organizations, Berlin, 1991.

**Institute of International Education (IIE):** agricultural and rural development graduate curriculum for University of Fort Hare, South Africa, 1992.

**International Irrigation Management Institute:** design team for USAID project on shared control of natural resources (SCOR), Sri Lanka, 1992; review of participatory component of SCOR project, 1996.

**Technical Advisory Committee (TAC)** of the Consultative Group for International Agricultural Research (CGIAR), Rome: external review team for International Irrigation Management Institute, Sri Lanka and Pakistan, 1993-94; background paper on institutional issues in natural resource management, 1995.

**U. N. Department of Technical Cooperation for Development:** inter-regional workshop on Community-Based Approaches to Rural Development, Geneva, 1985; ACC Task Force on Rural Development, panel on monitoring and evaluation, 1991.

**U.S. Agency for International Development:** Water Management Synthesis Project, participatory irrigation management in Sri Lanka, 1980-87; Irrigation Management Project, Nepal 1986-89; Irrigation Management and Training Project, India, 1987; Irrigation Management Policy Support Activity, Sri Lanka, 1990.

**World Bank:** participation in rural roads sector, 1984; participation in irrigation sector, 1984; Economic Development Institute: community participation in agricultural and rural development, 1986; consultant for *World Development Report 1990* on promoting institutional opportunities for the poor, 1989-90; paper on monitoring and evaluation of popular participation in Bank projects, 1992; staff training for participatory development, 1993; workshop on linking informal organizations with decentralization programs, 1994; colloquium on investing in social capital: building community, 1996; training sessions on irrigation management and institutional reform, 1998; consultant on training program for decentralization, 1998; background paper on decentralization and community-based rural development, Rural Week '99, 1999; consultant for World Bank study on "Voices of the Poor" as part of the *World Development Report 2000*; technical review committee on community-driven development, Operational Evaluation Division, 2004; rural local institutions and sustainable livelihoods, Social Development Department, 2006.

## **LECTURES/PRESENTATIONS/PARTICIPATION**

**AUSTRALIA:** Community Aid Abroad/Oxfam Australia: staff workshop on "positive development," Melbourne, 1986; International Society for the Systems Sciences, 37th annual meeting, Richmond, New South Wales, 1993.

**BANGLADESH:** Bangladesh Academy for Rural Development, Comilla, presentation, 1985; national symposium on Improving Health and Economic Development, Dhaka, 2000; CARE/Bangladesh, Dhaka, 2000; Bangladesh Rice Research Institute, Ghazipur, 2000; Bangladesh Rural Advancement Committee (BRAC), Dhaka, 2000; national SRI workshop, Mymensingh, 2002; Bangladesh Rice Foundation national SRI workshop, Ministry of Agriculture, Dhaka, 2005.

**BHUTAN:** Research Center for Renewable Natural Resources, Bajo, 2008; Royal University of Bhutan, College of Natural Resources, 2008.

**CAMBODIA:** Khmer Buddhist Association, Community Development Training Program, Site 2 Camp, Ta Phraya, Thailand, 1990; CEDAC national SRI conference, Prey Veng, 2003; International University, Rural Development Department seminar, Phnom Penh, 2005, 2006; 4<sup>th</sup> national farmers day presentation, 2012.

**CANADA:** York University, Department of Environmental Studies, Toronto, 1992; International Center for Advancement of Community-Based Rehabilitation, keynote speaker for workshop on participation in community development, Kingston, Ontario, 1996; 10<sup>th</sup> Bentley Lecture on Sustainable Agriculture, University of Alberta, Edmonton, 2012.

**CHINA:** Planning Initiative on Agro-Scientific Research Cooperation between China and United States, initial workshop, Shanghai, 1997; follow-up conference, Yangzhou City, 1999; China Agricultural University (CAU), Center for Integrated Agricultural Development, lectures, Beijing, 1998, 2002, 2003, 2004, 2007, 2009; Nanjing Agricultural University, 1998, 2001; CAU College of Rural Development, external review team, 1999; co-chair, External Advisory Committee, 2000 to present; UPWARD Network (Users' Perspective with Agricultural Research and Development) international workshop on capacity building, CAU, 2000; China National Hybrid Rice Research and Development Center (CNHRRDC) seminar on SRI, 2001; 1st International Conference on the System of Rice Intensification, hosted by CNHRRDC, Sanya, 2002; 1st International Rice Congress, presentation on SRI, Beijing, 2002; China National Rice Research Institute (CNRRI), Hangzhou, national SRI workshop, 2003, seminars, 2004, 2005, 2007; Sichuan Academy of Agricultural Sciences, Chengdu, presentations, 2003, 2005, 2007; keynote on SRI, 10<sup>th</sup> annual conference on Theory and Practice for High-Quality, High-Yielding Rice in China, Haerbin, 2004; CNRRI International Year of Rice conference, presentation on SRI, Hangzhou, 2004; China Academy of Agricultural Sciences seminar, 2009; International SRI workshop, China National Rice Research Institute, Hangzhou, 2010, with DPRK participation; international watershed management workshop, China Normal University, Beijing, 2011; keynote, 3<sup>rd</sup> World Congress of Agriculture, Hangzhou, 2013.

**COSTA RICA:** International Agriculture Program, Cornell University Alumni Reunion, San Jose, 2000.

**CUBA:** Second International Rice Meeting, Havana, 2002; Fourth International Rice Meeting, 2008; International Sustainable Agriculture Conference, Havana, 2003; field research, 2004.

**DOMINICAN REPUBLIC:** 6<sup>th</sup> IICA International Seminar on Agricultural Policy, Santo Domingo, 2012.

**EGYPT:** BioVision international colloquia: 2010 presentations to agricultural panel and ‘Tribute to Norman Borlaug,’ Biblioteca Alexandrina; 2012 presentations on SRI and gene banks; 2014 plenary presentation; seminar on SRI at the Rice Research and Training Station, National Agricultural Research Center, Kafr el-Sheikh, 2012, 2014.

**ETHIOPIA:** Amhara Microenterprise Development, Agricultural Research, Extension, and Watershed Management project workshop, Woldiye, 2003; SRI national workshop, Addis Ababa, 2008.

**FRANCE:** BioVision Forum, Lyons, 2007; World Economic Forum for Social Responsibility, Lille, 2008; College de France, Paris, international symposium to conquer hunger, 2011; presentation on SRI at the 3<sup>rd</sup> international conference on Climate-Smart Agriculture, Montpellier, 2015.

**GERMANY:** Expo 2000/Global Dialogue symposium on The Role of the Village in the 21st Century, Hannover, 2000; University of Bonn, lecture on SRI, 2005; keynote address, *Tropentag 2005*, University of Hohenheim, 2005; colloquium on sociological applications for development, Schloss Bieberstein, 2011.

**GHANA:** Natural Resource Management and Sustainable Agriculture Partnership meeting, Sogakope, 1994; Tamale, 2003; Ghana Irrigation Development Center, Ministry of Food and Agriculture, Ashaiman, 2001.

**GUYANA:** Keynote at International Rice Conference on 100<sup>th</sup> Centenary of Rice Exports from Guyana, Georgetown, 2008.

**INDIA:** Osmania University, Hyderabad, 1979; Jawaharlal Nehru University, Centre for Regional Planning, New Delhi, 1979; University of Agricultural Sciences, Bangalore, 1980; Indian Agricultural Research Institute, New Delhi, 1985; Administrative Staff College, Hyderabad, 1979, 1987; Institute for Rural Management, Anand, India, 1987; National Academy for Agricultural Research Management, Hyderabad, India, 1987; Ministry of Agriculture, New Delhi, India, invited seminars, 2000, 2002, 2007; Tamil Nadu Agricultural University, special lecture, Coimbatore, 2002; Andhra Pradesh Society of Agronomists presentation on SRI, ANGRAU, Hyderabad, 2002; National Center for Agricultural Economics and Policy Analysis, New Delhi, 2002, 2007; 2<sup>nd</sup> International Agronomy Congress presentation, New Delhi, 2002; IWMI-India Program, keynote paper for 4<sup>th</sup> IWMI-Tata partners’ meeting, Anand, India, 2005; 2<sup>nd</sup> International Rice Congress, New Delhi, 2006; ANGRAU workshop, Hyderabad, 2006; Institution of Agricultural Technologists, Bangalore, 2006; 1<sup>st</sup> National SRI Symposium, Hyderabad, 2006; 2<sup>nd</sup> National SRI Symposium, Agartala, 2007; Indian Social Institute, Delhi, 2007; 3<sup>rd</sup> National SRI Symposium, Coimbatore, 2008; Ministry of Rural Development seminar, 2008; keynote, International Symposium on Intensification, BCKV, Kalyani, West Bengal, 2011; National Colloquium on System of Crop Intensification, Patna, 2011; Jharkhand State-Level SRI Workshop, Ranchi, 2012; 100<sup>th</sup> Centenary of Rice Research in India, plenary speaker, Tamil Nadu Agricultural University, 2012; international workshop on SRI, organized by Wageningen University and National Consortium for SRI, New Delhi, 2014; presentations on SRI at Xavier Institute of Management, Bhubaneswar, and People’s Science Institute, Dehradun, 2014; Club of Rome/Indian National Association global conference on Securing Food for All, New Delhi, 2014.



**INDONESIA:** FAO expert consultation on irrigation water management, Jogjakarta/Bali, 1984; Center for Agro-Socioeconomic Research, Bogor, Indonesia, 1991, 2000; LP3ES (Institute for Social and Economic Research, Education and Information), Jakarta, 1991; University of Gadjah Mada, Faculty of Engineering, Yogyakarta, Indonesia, 1993; Agricultural University of Bogor (IPB), 30th anniversary seminar lecture, Jakarta, 1993, lecture, Bogor, 2003, 2008; Central Research Institute for Food Crops, Bogor, Indonesia, 1997, 2000; Demographic Institute, University of Indonesia, Depok, 1997; Agency for Agricultural Research and Development (AARD), Jakarta, 1999; Center for Agro-Socio-Economic Research, 25th anniversary workshop on agricultural sector during the turbulence of economic crisis, Bogor, 1999; Indonesian Regional Science Association: 2nd international workshop presentation, Jakarta, 2000; AARD-IRRI International Rice Conference, presentation on SRI, Bali, 2005; University of Andalas, Padang, 2008; University of Brawijaya, 2009; keynote for PAWEES conference, IPB Bogor, 2009; Padjajaran University, Bandung, 2011; Sampoerna Training Centre, Malang, East Java, 2011.

**ITALY:** FAO International Year of Rice inauguration conference, presentation, Rome, 2004; International Farming Systems Association (IFSA) Global Learning Opportunity, Rome, 2005; FAO presentations on SRI, 2005, 2009; International Fund for Agricultural Development, SRI workshop, Rome, 2009.

**JAPAN:** U.N. Centre for Regional Development, Nagoya, workshop on Local Receiving Mechanisms for Rural Development, 1984, 20<sup>th</sup> anniversary commemoration program, plenary paper, 1991, seminar 1993; Foundation for Advanced Studies in International Development: paper for international symposium on institutional development in Asia, Tokyo, 1992; participatory development, Tokyo, 1995; lectures 2002, 2008; Ryukoku University, intensive summer session course, Kyoto, 1995, 1997, 1999, 2001, 2003, 2005; South Asian Studies Association of Japan plenary speaker at annual meeting, Matsumoto City, 1995; Institute of Developing Economies Advanced School, Tokyo, 1995, 2001; IDEAS short course on social development, Chiba, 1999; Japan Research Institute, Tokyo, 1995; Sofia University, Advanced Development Management Program, Tokyo, 1998; Ministry of Agriculture, Forestry and Fisheries, Tokyo, 2003; workshop on System of Rice Intensification, World Rice Research Conference, Tsukuba, 2004; University of Kyoto, Agronomy Department, 2005, 2008; National Agricultural Research Organization, Tsukuba, 2005; Japan International Research Center on Agricultural Sciences, Tsukuba, 2009.

**KENYA:** International Centre for Research on Agro-Forestry (ICRAF), Nairobi, 1998; International Conference on EcoAgriculture, ICRAF, Nairobi, 2004.

**LAOS:** U. N. Development Programme: keynote speaker for national conference on Sustainable Rural Development, Vientiane, 1995; International Rice Research Institute, resource person for national workshop on SRI, Vientiane, 2002; CGIAR Challenge Program conference on Water and Food, 2006.

**MADAGASCAR:** University of Antananarivo, Faculty of Agriculture, Madagascar, 1998, 2000; University of Fianarantsoa, Environmental Studies Program, 1998; Madagascar Action Program conference, 2008.

**MALAYSIA:** keynote, founding conference of national SRI network, Petaling Jaya, 2012.

**MALI:** West Africa Water Initiative (WAWI): planning meeting, 2003, inception workshop, Bamako, 2005.

**MOROCCO:** Global Food Security Forum, plenary and panel speaker, Rabat, 2012

**MYANMAR:** Agricultural Services Department, Myanmar Ministry of Agriculture, Yangon, 2002.

**NAMIBIA:** U.N. Commission for Sustainable Development inter-sessional conference, Windhoek, 2009.

**NEPAL:** Centre for Economic Development and Administration, 1979, 1980; International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, 1986, 1987; Institute of Agriculture and Animal Science, Rampur, 1988; International Irrigation Management Institute, Kathmandu, 1988; Irrigation Management Centre, Kathmandu, 1989; Farmer-Managed Irrigation Systems Trust, keynote for international workshop, Kathmandu, 2002 and 2006; Poverty Alleviation Fund, Kathmandu, 2006; Department of Agriculture, Biratnagar and Kathmandu, 2006.

**NETHERLANDS:** Institute of Cultural and Social Studies, University of Leiden, 1981; Catholic Organization for Joint Financing of Development Programs (CEBEMO): international consultation on Promotion of Autonomous Development, Oegstgeest, Netherlands, 1987; Institute of Social Studies, Den Haag, 1991; Wageningen University, lectures, 2000, 2001; Wageningen University/Plant Research International, advisor for collaborative research program on water-saving rice production systems, 2000-2003; Wageningen-Cornell-IRRI joint planning workshop for evaluation of SRI, Wageningen, 2008; symposium on SRI, Wageningen University, 2011.

**PERU:** 21<sup>st</sup> meeting of FAO International Rice Commission, Chiclayo, May, 2006.

**PHILIPPINES:** College of Public Administration, University of the Philippines, lecture, 1973; International Rice Research Institute, Los Baños, Philippines, invited seminars, 1999, 2003; University of the Philippines, College of Agriculture Sustainable Agriculture program, Los Baños, 1999; Philippine Rice Research Institute, 2004, 2005; Central Luzon State University, Muñoz, Philippines, 2004; Xavier University, Cagayan de Oro, Mindanao, Philippines, 2004; Leyte State University, Bay-Bay, Philippines, 2004; Department of Agriculture, Bureau of Agricultural Research, Quezon City, 2004, Bureau of Soil and Water Management, 2009.

**SRI LANKA:** CARE/Sri Lanka, assessment of 'Change Agent Program,' Colombo, 1985; International Irrigation Management Institute, national workshop on Participatory Management, Kandy, 1986; lectures, Colombo, 1990, 1996; Mihidiya Foundation, workshop on SRI, 2001; Sri Lanka Association for Advancement of Science, 2002; national SRI workshops, 2003, 2008.

**SOLOMON ISLANDS:** Briefing of Prime Minister, Minister of Agriculture, and Cabinet, Honiara; presentation at Don Bosco Rural Training Centre, Tetere, 2009.

**SOUTH AFRICA:** Agricultural and Rural Development Research Institute, University of Fort Hare, Fort Beaufort community workshop, 1992; University of Pretoria, Post-Graduate School of Agriculture and Rural Development, external review team, 2001, Southern Africa regional workshop on Integrated Rural Development, 2000; advisory committee for Integrated Rural Development Programme for Southern Africa, 2001-2003; Soil Health workshop, University of KwaZulu-Natal, Pietermaritzburg, 2003.

**SWITZERLAND:** Federal Technical University (ETH), Zurich, 2007.

**THAILAND:** FAO Asian regional workshop on improved irrigation system performance, resource person, Bangkok, 1990; Ministry of Education, Department of Teacher Training: workshop on School-Based Rural Development, Bangkok, 1990; Chulalongkorn University, Institute of Social Research, Bangkok, 1991; S.E. Asia Forum for Development Alternatives, keynote address, Bangkok, 1991; International Community Education Association, plenary speaker, 7th world conference, Jomtien, 1995; Asian Institute of Technology, keynote for regional seminar on Asian Irrigation in Transition, 2002; presentation on SRI, 2007; keynote for conference on Sustainable Development, 2009; keynote for ECHO conference on Asian agriculture, Chiangmai, 2009; project inception workshop, System of Rice Intensification in the Lower Mekong Basin, Asian Institute of Technology, Bangkok, 2013; UN-FAO Asian and Pacific Regional Office, Bangkok, 2013; 4<sup>th</sup> International Rice Congress, Bangkok, 2014.

**UNITED KINGDOM:** **Overseas Development Institute**, London, 1987, 1992; **Centre for Development Studies**, University of Swansea, workshop on Evaluation of Social Development Projects and Programmes in the Third World, Swansea, Wales, 1989; **SOS Sahel**, NGO committee on monitoring and evaluation, London, 1992; **Institute of Development Studies**, University of Sussex, workshop on 'Beyond Farmer First,' 1992; conference on Community-Based Sustainable Development, 1994; Social, Technical and Economic Pathways to Sustainability (STEPS) seminar, IDS, Sussex, 2007; colloquium in honor of Robert Chambers, 2011; **International Institute for Environment and Development (IIED)**, London, 2007, 2013; **Save the Children Federation** workshop on NGOs and Development: Performance and Accountability in the 'New World Order,' University of Manchester, 1994; **Development Association of UK**, workshop on Academic-Practitioner Interface, Manchester, 1994; **University of Newcastle**, Institute for Research on Environment and Sustainability, 2007; **Planet Under Pressure** international conference, London, 2012.

**UNITED STATES:** **Columbia University**, School of Public and International Affairs, 1998, 2000, 2004; **Consortium for International Development (CID)**: planning committee for international conference on Irrigation Rehabilitation and Betterment, Leesburg, VA, 1986; **Cornell University**, Sage Chapel talk, 1991; **Duke University**, Sanford School of Public Policy, 2001; **Harvard University**, JFK School of Government, 1980, 1983, 2012; Pacific Basin Research Center, Kennedy School, 1997, Center for International Development, conference on Raising Agricultural Productivity in the Tropics, 2000; Weatherford Center working group on food and environment, 2010; Department of Sustainability Science, workshop on innovations for vulnerable farmers, 2014; **International Farming Systems Association (IFSA)** international meeting, presentation on SRI, Orlando, 2002; **International Food Policy Research Institute (IFPRI)** workshop on Local Organization for Natural Resource Management, Baltimore, 1994, presentation on SRI, Washington, 2010; **Kansas State University**, Title XII Symposium on Farming Systems Research, 1981; **Michigan State University**, colloquium on the Changing Nature of Poverty in the 1990s, 1988, MSU Center for Advanced Studies in International Development (CASID), Distinguished Speaker series, 2001; **Princeton University**, Woodrow Wilson School, 1980; **Soil and Water Conservation Society**: workshop on climate change, St. Louis, 2010; international meetings, Washington, DC, 2011; **University of California, Berkeley**, lectures, 1981, 1984, 1989, 1993; **University of California, Davis**, International Agriculture Program, Distinguished Speaker series, 1989; **University of Hawaii**, East-West Center workshop on Productivity, Stability, Sustainability and Small-Scale Farmers, 1985; **University of Nebraska**, Water for Health series, and Department of Agronomy and

Horticulture, 2016; **University of Pennsylvania**, South Asia Program, Philadelphia, 1996; **University of Wisconsin**, Land Tenure Center, 1988; **USAID**, Development Studies Program, 1978-1984; Evidence Summit on Agricultural Innovation, Washington, 2011; **West Michigan University**, Distinguished Faculty lecture, 1997; **World Bank**, Sustainable Agriculture Systems, Knowledge, Institutions working group, 2006; Agriculture Department, 2016; **World Food Prize Symposium**, workshops on SRI, organized by Oxfam America, Des Moines, 2010, 2015.

**URUGUAY:** presentation at Global Conference on Agricultural Research for Development (GCARD2), Punta del Este, 2012.

**VIETNAM:** Integrated Pest Management Program, Plant Protection Department, Ministry of Agriculture, Hanoi, 2006; Thai Nguyen University, 2006; National Institute of Soils and Fertilizer, Ministry of Agriculture, Hanoi, 2006; National SRI Workshop, Hanoi, 2008; keynote panel and panel presentation at 3<sup>rd</sup> International Rice Congress, Hanoi; and presentation to pre-congress SRI Workshop, Hanoi, 2010.

## **REVIEWS**

*Rural Employment and Administration in the Third World: Development Methods and Alternative Strategies*, by C. Harvey et al., Saxon House, London, in *Rural Sociology*, Winter 1980.

*Bureaucrats, Politicians and Peasants in Mexico: A Case Study in Public Policy*, by M. Grindle, University of California Press, in *Rural Development Participation Review*, Winter 1980.

*Resource Mobilization in Poor Countries*, by Alex Radian, Transaction Books, in *American Political Science Review*, June 1981.

*Participation of Rural Institutions and Target Groups in Rural Development Programs in India*, by V. R. Gaikwad, in *Regional Development Dialogue*, U.N. Centre for Regional Development, Nagoya, Fall 1981.

*Sri Lanka Fishermen: Rural Capitalism and Peasant Society* by P. Alexander, Australian National University Press, in *Sri Lanka Journal of Agrarian Studies*, Fall 1982.

*Development Projects as Policy Experiments: An Adaptive Approach to Development Administration*, by D. Rondinelli, Methuen, in *Economic Geography*, Spring 1985.

*Rural Development: Putting the Last First*, by Robert Chambers, Longman, London, in *Economic Development and Cultural Change*, April 1987.

*Rice Societies: Asian Problems and Prospects*, edited by Irene Nørland et al., Curzon Press, Riverdale, MD, in *Journal of Asian Studies*, August, 1987.

*Creating Opportunities for Change: Approaches to Managing Development Programs*, by Louise G. White, Lynne Rienner, 1987, and *Listen to the People: Participant-Observer Evaluation of Development Projects*, by Lawrence Salmen, Oxford University Press, 1987, in *American Political Science Review*, September 1988.

*Towards a New Forest Policy: People's Rights and Environmental Needs*, by W. Fernandes and S. Kulkarni, Indian Social Institute, and *Forests and Tribals*, by N. G. Basu, Manisha Press, in *Agriculture and Human Values*, 1988.

*Managing Public Policy*, by Laurence Lynn, Little Brown, in *Political Science Quarterly*, 1989.

*Managing Canal Irrigation: Practical Analysis from South Asia*, by Robert Chambers, Cambridge University Press, in *Journal of Asian Studies*, 1990.

*Food, Health and Survival in India and Developing Countries*, by Stuart Gillespie and Geraldine McNeill, Oxford University Press, in *Journal of Asian Studies*, 1993.

*The State and the Poor: Public Policy and Political Development in India and the United States*, by John Echeverri-Gent, University of California Press, in *American Political Science Review*, 1995.

*Non-Governmental Organizations and Rural Poverty Alleviation*, by Roger Riddell and Mark Robinson, Clarendon Press, in *Political Science Quarterly*, 1996-97.

*Whose Reality Counts? Putting the First Last*, by Robert Chambers, Intermediate Technology Publications, in *Economic Development and Cultural Change*, 1998.

### **UNIVERSITY RESPONSIBILITIES**

Cornell Institute for Public Affairs (CIPA): member of Public Affairs field, 1982 to present; member of CIPA Core Faculty, 2006 to present; Director of Graduate Studies, 2007-10; Acting Director, spring term, 2007, and Director, 2010-14.

Cornell International Institute for Food, Agriculture and Development (CIIFAD): Director, 1990-2005; Program Leader, Sustainable Rice Systems, 2000-2010; senior advisor, SRI International Network and Resources Center (SRI-Rice), 2010 to present.

Center for International Studies: chair of Rural Development Committee, 1971-1978, 1979-1985, 1986-1990; co-PI of interdisciplinary study of the Air War in Indochina, Peace Studies Program, 1971-72; director, South Asia Program, 1988-1990; co-director, Joint Cornell-Syracuse National Resource Center on South Asia, 1988-1990; chair, International Development Studies Committee, 1990-1991;

College of Agriculture and Life Sciences (CALS): Director, International Agriculture Program, 1990-2001; Center for Analysis of World Food Issues (CAWFI) Program Committee, 1977-1980; Africa Committee, 1987-1989; Irrigation Studies Group, 1982-1990; senior advisor, SRI International Network and Resources Center (SRI-Rice), 2013 to present.

College of Arts and Sciences: Educational Policy Committee, 1983-1987; Freshman Colloquium, 1990; Dean's Advisory Committee on Appointments, 1997-2000.

Department of Government: Director of Graduate Studies, 1986-1988; Graduate Studies Committee, most years, 1970-1990.

Faculty Council of Representatives: non-tenured faculty representative, 1971-1975; tenured faculty representative, 1979-1981.

Field of International Development: director of graduate studies for interdisciplinary Master of Professional Studies (MPS) degree program in Intl. Development, 1983-1985, 1987-2011.

Graduate School: General Committee of the Graduate School, member, 1991-1995; graduate faculty representative for Public Policy, 1972-1992.

Institute for African Development: member, Executive Committee, 1987-2002.

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