



Ford Foundation records, International Division, Middle East and Africa, Office Files of Lowell Hardin

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Table of Contents

| | |
|--|----|
| Summary Information | 3 |
| Biographical / Historical | 3 |
| Scope and Contents | 4 |
| Arrangement | 4 |
| Administrative Information | 5 |
| Controlled Access Headings | 5 |
| Collection Inventory | 6 |
| International Agriculture Research and Training | 6 |
| Consultative Group on International Agricultural Research (CGIAR) and International Agricultural Research Centers | 6 |
| Arid Lands Agricultural Development Program (ALAD) | 8 |
| Program Strategy Records and Information Papers on Agricultural Programs | 11 |

Summary Information

| | |
|----------------------------------|--|
| Repository: | Rockefeller Archive Center |
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| Creator: | Ford Foundation |
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[^ Return to Table of Contents](#)

Biographical / Historical

Lowell Stewart Hardin earned a bachelor's degree in agricultural economics from Purdue University in 1939 and his doctorate from Cornell University in 1943. He was a member of the Purdue agricultural economics department faculty from 1943 to 1965 and served as department head from 1953 to 1965.

In 1965, Hardin left Purdue to join the Ford Foundation as a program officer within the Latin American Office setting up agricultural training programs. Hardin and his colleagues at the Ford and Rockefeller Foundations worked to create international agriculture research stations, first in the Philippines, then in Mexico. Eventually there were seventeen centers around the world in a global network covering the major food commodities, where international staffs under international boards of directors were supported to do research and training, primarily in plant and animal production in sustainable methods, that would increase available food supply.

By 1970, Hardin was a program officer with the Office of the Vice President within the International Division, Middle East and Africa program. During his 17 years with the foundation, he was a principal architect of the worldwide system of international agricultural research centers.

Hardin returned to Purdue in 1981, and Lowell became the Assistant Director of International Programs in Agriculture, a position he held until 2007. That same year, he became a Purdue emeritus professor. Hardin died in 2015 at the age of 97.

[^ Return to Table of Contents](#)

Scope and Contents

Lowell Hardin worked for the Ford Foundation from 1965-1981 in the field of international agriculture research and training. This collection of Hardin's office files contains reports related to agricultural training and production, budget and program planning documents from agricultural research and training centers, planning documents and reports from the Arid Lands Agricultural Development (ALAD) Program in Beirut, and Consultative Group on International Agricultural Research (CGIAR) meeting materials.

[^ Return to Table of Contents](#)

Arrangement

Series 1: International Agriculture Research and Training

Subseries 1: Consultative Group on International Agricultural Research (CGIAR) and International Agricultural Research Centers, 1968-1980

Subseries 2: Arid Lands Agricultural Development Program (ALAD), 1971-1975

Subseries 3: Program Strategy Records and Information Papers on Agricultural Programs, 1968-1982

[^ Return to Table of Contents](#)

Administrative Information

Publication Statement

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Immediate Source of Acquisition

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Processing Information

Standard processing by Katie Martin, June 2019

[^ Return to Table of Contents](#)

Controlled Access Headings

- Agriculture -- Ford Foundation
- Agricultural Economics
- Ford Foundation
- Green Revolution

- International agricultural research
- International agricultural research and training centers

Collection Inventory

International Agriculture Research and Training, 1968-1982

Consultative Group on International Agricultural Research (CGIAR) and International Agricultural Research Centers, 1968-1980

Scope and Contents

CGIAR Technical Advisory Committee (TAC) meeting materials, international agricultural centers' budget and program materials, and reports

Biographical / Historical

The Consultative Group for International Agricultural Research (CGIAR) was established on May 19, 1971, to coordinate international agricultural research efforts and achieve food security in developing countries. CGIAR arose in response to the widespread concern in the mid-20th century that rapid increases in human populations would soon lead to widespread famine. Originally, CGIAR supported four international research centers: the International Rice Research Institute (IRRI) (est. 1960), the International Maize and Wheat Improvement Center (CIMMYT) (est. 1963), the International Center for Tropical Agriculture (CIAT)(est. 1962), and the International Institute of Tropical Agriculture (IITA) (est. 1967).

| Title/Description | Instances | |
|---|-----------|------------|
| Mailing to some field, Pereira Team on Irrigation/Water Management, 1976-1979 | box 1 | folder 1 |
| Sudan Survey, 1976-1978 | box 1 | folder 2-3 |

Scope and Contents

Agricultural Economics and Statistics in the Ministry of Agriculture, Food, and Natural Resources, Khartoum, Sudan

Organization and Administration of Agricultural Research in the Sudan

Sorghum Research in Sudan

Potato Research in the Sudan

Wheat Research and Production in the Sudan

Crop Production and Agronomy in the Sudan

Groundnut Production and Research in the Sudan

Organization and Administration of Agricultural Research
in the Sudan

Agricultural Extension As It Relates to Agricultural
Research

| | | |
|---|-------|--------------|
| Centers - Technical Advisory Committee (TAC) Nomination Responses, 1974-1977 | box 1 | folder 4 |
| Mailing - Various Field Offices - Daniel Hillel Paper on Water Management, 1978 December 8 | box 1 | folder 5 |
| Consultative Group on International Agricultural Research (CGIAR) Meetings, 1973-1976 | box 1 | folder 6 |
| Consultative Group on International Agricultural Research (CGIAR) Correspondence, 1980 | box 2 | folder 7 |
| Consultative Group on International Agricultural Research (CGIAR) Meetings, 1977-1980 | box 2 | folder 8-10 |
| Technical Advisory Committee Meetings, 1977-1980 | box 2 | folder 11 |
| | box 3 | folder 12 |
| Technical Advisory Committee Meetings, 1976 | box 3 | folder 13 |
| Technical Advisory Committee Meetings, 1975 | box 3 | folder 14 |
| Centers - Program Budget, 1976-1977 | box 3 | folder 15 |
| Consultative Group on International Agricultural Research (CGIAR) Correspondence and Report Drafts, 1971-1979 | box 3 | folder 16-17 |

Scope and Contents

Costs and Benefits of Agricultural Research: State of the Art and Implications for the CGIAR, C. Edward Schuh and Helio Tollini

Assessing and Monitoring International Agricultural Research, C. Edward Schuh and Helio Tollini

The Rural Development System of the People's Republic of China: Impressions and Questions, Sterling Wortman

Constraints Influencing China's Agricultural Performance, Dwight H. Perkins

Reflections on China

Discussion Notes, A Perspective on Rural Development and the Green Revolution in Asia, Walter P. Falcon

| | | |
|--|-------|-----------|
| Consultative Group on International Agricultural Research (CGIAR) - Technical Advisory Committee Meeting Report Drafts, 1974 | box 3 | folder 18 |
|--|-------|-----------|

| | | |
|--|--------|------------|
| Programs and Budgets of the International Agricultural Centers, 1974 June | box 4 | folder 19 |
| International Agricultural Centers Discussion of 1974 Programs and Budgets, 1973 June | box 4 | folder 20 |
| International Agricultural Centers Analysis of 1973 Programs and Budgets, 1972 June | box 4 | folder 21 |
| Biographical and Related Materials, 1972 | box 18 | folder 130 |
| <u>Conditions Governing Access:</u> Conditions Governing Access Restricted - personnel material. | | |
| Consultative Group on International Agricultural Research (CGIAR) Memos, 1979 | box 4 | folder 22 |
| Technical Advisory Committee Meetings, 1973 | box 4 | folder 23 |
| Center Trustees (Prospective), 1977-1980 | box 4 | folder 24 |
| Centers - Prospects for Dir. Gen., 1976-1980 | box 4 | folder 25 |
| Consultative Group on International Agricultural Research (CGIAR) Pamphlets, 1979 October | box 4 | folder 26 |
| Q&A on Agriculture, Science, and the Developing World, A Briefing on International Agriculture Research and Training Centers Supported by the Rockefeller Foundation and the Ford Foundation, 1968 October | box 4 | folder 27 |
| Consultative Group on International Agricultural Research (CGIAR) Report of the Task Force on International Assistance for Strengthening National Agricultural Research, 1978 August | box 4 | folder 28 |
| Bound Memoranda Regarding International Agricultural Centers, 1975 May-June | box 4 | folder 29 |

Arid Lands Agricultural Development Program (ALAD), 1971-1975

Biographical / Historical

Arid Land Agricultural Development (ALAD) was a program of the Ford Foundation that operated in Lebanon in the 1960s and 1970s. The program's goals were to make the best use of limited water resources, to improve production of staple food crops in a region of major food gaps, and to address the complex integration of crop and livestock production in the dry areas. ALAD later became the International Center for Agricultural Research in the Dry Areas (ICARDA), established in 1975.

Scope and Contents

Primarily reports and program planning materials

| Title/Description | Instances | |
|--|-----------|-----------|
| Progress Report of the Near East Cooperative Sorghum and Millets Crop Improvement Program, Arid Lands Agricultural | box 4 | folder 30 |

Development Program, The Ford Foundation, Beirut, Lebanon,
1973-1974

| | | |
|--|-------|-----------|
| 1974 Annual Narrative Report for ALAD-DAP 689-0187, 1975 April | box 5 | folder 31 |
|--|-------|-----------|

Scope and Contents

Foundation-Administered Program Grant No. 06890187

| | | |
|---|-------|-----------|
| Agriculture Technology for Developing Countries, Technical Series Bulletin No. 15, The Buffalo Gourd (<i>Cucurbita foetidissima</i>) HBK, A Potential Crop for the Production of Protein, Oil, and Starch on Arid Lands, Agency for International Development, 1975 January | box 5 | folder 32 |
|---|-------|-----------|

Scope and Contents

Includes photograph of unidentified man standing with *Cucurbita foetidissima* root weighing 145 kg

| | | |
|--|-------|-----------|
| Progress Report of the Near East Cooperative Broadbean, Lentil, and Chickpea Crops Improvement Program, 1973 | box 5 | folder 33 |
|--|-------|-----------|

| | | |
|--|-------|-----------|
| Present Livestock Situation in the Near East and the Possibility of Developing Integrated Crop-Livestock Farming Systems, 1973 March | box 5 | folder 34 |
|--|-------|-----------|

| | | |
|---|-------|-----------|
| The Potential for Increasing Cereal and Livestock Production in Algeria: A Report Prepared for CIMMYT, Mexico and the Ministry of Agriculture and Agrarian Reform, Algeria, E.D. Carter, 1974 October | box 5 | folder 35 |
|---|-------|-----------|

| | | |
|--|-------|-----------|
| The Domestication of a Wild Perennial, Xerophytic Gourd, <i>Cucurbita Foetidissima</i> , The Buffalo Gourd, Lawrence C. Curtis and N. Rebeiz, 1974 January | box 5 | folder 36 |
|--|-------|-----------|

Scope and Contents

Progress Report I - A Search for Superior Plants

Progress Report II - The Discovery of Antherless and Male Sterile Plants and Their Potential Role in the Production of Hybrid Seed for Commercial Planning

Progress Report III - A Search for Superior Buffalo Gourd - Continued

Progress Report IV - A Search for Superior Buffalo Gourd Plants and (1) Their Use in Producing Hybrid Seed for Commercial Planting and (2) Their Use for Forage, Erosion Control and Land Cover

| | | |
|--|-------|-----------|
| Summary Report on the Regional Sheep and Forage Production Workshop, February 11-14, 1974, Lebanon, 1974 October | box 5 | folder 37 |
|--|-------|-----------|

| | | |
|---|-------|-----------|
| Handbook for Food Legume Training Course, Lebanon, 1975 March-October | box 5 | folder 38 |
|---|-------|-----------|

| | | |
|--|-------|--------------|
| Sheep Breeding Project at Terbol Suggestions for the Future, Prepared by Helen Newton Turner and Carroll W. Fox, 1974 March | box 5 | folder 39 |
| Selected Agricultural Statistics in Ranked Order for Countries of the Near East Region (Extended and Revised), 1975 July | box 5 | folder 40 |
| Opportunities for an Accelerated National Potato Improvement Program for Lebanon by John Niederhauser and Richard T. Wurster, International Potato Center, Lima, Peru, Consultants for ALAD Program, Beirut, Lebanon, 1973 March | box 5 | folder 41 |
| Selected Agricultural Statistics in Ranked Order for Countries of the Near East Region, Oddvar Aresvik and Majed Kreidy, Beirut, Lebanon, 1972 September | box 5 | folder 54 |
| Discussion Paper on the Need for a Permanent Agricultural Research and Training Institute in the Near East, Beirut, Lebanon, 1972 March 11 | box 6 | folder 55 |
| The Lebanese Seed Program: Recommendations for Strengthening the Seed Multiplication, Seed Distribution and Seed Quality Control System in Lebanon, by Johnson E. Douglas, Seed Production Specialist, The Rockefeller Foundation (2 copies), 1972 November 30 | box 6 | folder 56-57 |
| The Arid Lands Agricultural Development Program: Outlook and Planning Review, Beirut, Lebanon (2 copies), 1971 April | box 6 | folder 58-59 |
| The Arid Lands Agricultural Development Program: Outlook and Planning Review - Observations, Implications and Suggestions, Beirut, Lebanon, 1971 April 20-22 | box 6 | folder 60 |
| Arid Lands Agricultural Development Program Review, 1972-1975 | box 6 | folder 61 |
| | box 7 | folder 62 |

Scope and Contents

Correspondence and memos

Budget information

Reports:

A Preliminary Proposal on a Food Legume Improvement
Program for the Middle East, Dr. K. O. Rachie

The Arid Lands Agricultural Development Program for
Accelerating Economical Food Production in the '70s

Discussion Paper on Program Alternatives for ALAD as
Related to Possible Budget Limitations

Plant Disease Situation of High-Yielding Dwarf Wheats in
Asia and Africa, E.E. Saari and Roy D. Wilcoxson

A Bibliography of Reports Prepared or Distributed by the
Ford Foundation's ALAD Staff

Background Papers: ALAD Discussion

Lists of People who received literature, correspondence or seeds - Cucurbita foetidissima

ALAD Regional Staff List with Start/Termination dates

The Sorghum and Millets and Food Legume Programs
Interim Report

Contribution of Animal Breeding to Improved Sheep
Production in the Middle East and North Africa Region,
Helen Newton Turner

Program Strategy Records and Information Papers on Agricultural Programs, 1968-1982

| Title/Description | Instances | |
|--|-----------|-----------|
| The Ford Foundation, International Division, Summary Tables, FY 1975 and Earlier Years, 1976 April 26 | box 7 | folder 63 |
| The Ford Foundation, International Division, Summary Tables, FY 1974 and Earlier Years, 1975 May 19 | box 7 | folder 64 |
| The Ford Foundation, International Division, Summary Tables, FY 1976 and Earlier Years, 1977 February 23 | box 7 | folder 65 |
| The Ford Foundation, International Division, Summary Tables, FY 1977 and Earlier Years, 1978 March 16 | box 7 | folder 66 |
| The Ford Foundation, International Division, Summary Tables, FY 1980 and Comparisons with Earlier Years, 1981 May 22 | box 7 | folder 67 |
| The Ford Foundation, International Division, Summary Tables, FY 1981 and Comparisons with Earlier Years, 1982 September 30 | box 7 | folder 68 |
| Small Farm Production and Capital Accumulation: Potato Producers in Carchi, Ecuador - A. A Case Study Survey, B. Technological Policy Recommendations for Small Scale Potato Growers in Carchi, Ecuador, undated | box 7 | folder 69 |
| In-House Report 1975 - Farming Systems Program, International Institute of Tropical Agriculture, Ibadan, Nigeria, 1976 February | box 7 | folder 70 |
| International Centers - Grant Documents, 1968-1978 | box 7 | folder 71 |
| Scope and Contents | box 8 | folder 72 |
| Sections include: ALAD/ICARDA, CIAT, IITA, IFPRI, CGIAR | | |
| February 2 Workshop: Papers Presented, 1979 February 2 | box 8 | folder 73 |

| | | |
|--|-------|--------------|
| International Maize and Wheat Improvement Center (CIMMYT) and International Rice Research Institute (IRRI) - Grant and Budget Information, 1967-1978 | box 8 | folder 74 |
| International Agricultural Research Centers - Reports, Memos, and Budget Information, 1973-1978 | box 8 | folder 75-76 |

Scope and Contents

International Crops Research Institute for the Semi-Arid Tropics (ICRISAT), International Center for Agricultural Research in the Dry Areas (ICARDA), International Food Policy Research Institute (IFPRI), and Consultative Group (CG) - Technical Advisory Committee (TAC) of Consultative Group for International Agricultural Research (CGIAR), Arid Lands Agricultural Development Program (ALAD), International Center for Tropical Agriculture (CIAT), International Maize and Wheat Improvement Center (CIMMYT), International Potato Center (ICP), International Rice Research Institute (IRRI), West Africa Rice Development Association (WARDA), International Laboratory for Research on Animal Diseases (ILRAD), International Livestock Center for Africa (ILCA), International Board for Plant Genetic Resources (IBPGR)

| | | |
|---|-------|--------------|
| Harris, John, "Capitalism and Peasant Farming: A Study of Agricultural Change and Agrarian Structure in Northern Tamil Nadu, 1977 September | box 9 | folder 77 |
| Consultative Group for International Agricultural Research (CGIAR) - Reports, 1973-1979 | box 9 | folder 78-80 |

Scope and Contents

The Consultative Group and the International Agricultural Research System: An Integrative Report

Selected Notes: Meetings of Directors, International Agricultural Research Centers, Feb. 11-16, 1973

Secretariat Observations 1979/80 Program and Budget

Costs and Benefits of Agricultural Research: State of the Art and Implications for the CGIAR, C. Edward Shuh and Helio Tollini

TAC Meeting Reports

A Classified Bibliography of Investment in Agricultural Research: Extent, Limitations, and Consequences

TAC Review of Priorities For International Support to Agricultural Research (Progress Report to CGIAR)

| | | |
|---|-------|-----------|
| Consultative Group on Agricultural Research (CGIAR) Meetings, 1971-1975; Meetings, 1976-1978, 1971-1978 | box 9 | folder 81 |
|---|-------|-----------|

| | | |
|--|--------|--------------|
| | box 10 | folder 82-83 |
| Joint Council Notes Newsletter, Joint Council on Food and Agricultural Sciences; Report Assessing Global Food Production and Needs, 1979-1980 | box 10 | folder 84 |
| Regional Wheat Workshop: Volume I - Diseases, The Ford Foundation, Beirut, Lebanon, 1972 February 14-17 | box 10 | folder 85 |
| Regional Wheat Workshop: Volume II - Agronomy, The Ford Foundation, Beirut, Lebanon, 1972 February 14-17 | box 10 | folder 86 |
| Regional Wheat Workshop: Volume III - Appendices, The Ford Foundation, Beirut, Lebanon, 1972 February 14-17 | box 11 | folder 87 |
| International Fund for Agricultural Development - Press Materials, 1978-1979 | box 11 | folder 88 |
| International Fund for Agricultural Development - Annual Report for 1979, 1980 January | box 11 | folder 89 |
| Middle East and Africa - Agricultural and Resources Staff Seminar, Khartoum, Sudan, Lee Travers, 1980 January 6-9 | box 11 | folder 90 |
| Agricultural Sector Analysis, undated | box 11 | folder 91 |
| Middle East and Africa Reports, 1976-1979 | box 11 | folder 92 |
| Scope and Contents | box 12 | folder 93-94 |
| Terminal Report to Ford Foundation, Gordon McLean, Ph.D., Agricultural Team Leader - Cairo | | |
| Progress Report of the IRRI/ALAD Rice Improvement Program in Egypt, 1974 | | |
| Survey of Agricultural Research in the Sudan, Capabilities, Scope, Potentials, and Priorities, Prepared for the International Workshop on Agricultural Research and Development in the Sudan, 1976 | | |
| Sudan Agricultural Research Capabilities, The Joint Team Report to the Minister of Agriculture, Food, and Natural Resources | | |
| Comments on IADS Report | | |
| Susan Sechler Chrons, 1981 April-July | box 12 | folder 95 |
| Papers by G. Edward Schuh, 1974-1976 | box 12 | folder 96-98 |
| Scope and Contents | | |
| A Review of the Workshop on Time Allocation in Rural Households, with Special Emphasis on the Role of Women | | |
| Some Thoughts on Agricultural Policy and Decision Making | | |

Planning for Hunger Prevention

Imperfections in the Labor Market and Policy for the Rural Poor in Brazil

The Role of Agricultural, Food, and Research Policy in Meeting Food Needs

Un Modelo de Politica Para La Industria Brasileira de Ganado Vacuno

The Influence of the Emerging Countries on the U.S.: Trends, Recent Developments, and Some Policy Choices

Some Notes on the Political Economy of Rural Development in Latin America

General Economic Policy as a Constraint to the Development of Agriculture

Rural Development and Rural Employment: An Overview of the Problems

The Exchange Rate and U.S. Agriculture: Reply

The Rationality of Economic Policy

A Metademand Function

The Contributions of Agricultural Research to the Achievement of Development Goals

Impact of the International System on Research Capacity and on Agricultural Productivity: Comments

Data Needs for Policy Analysis

The International Dimension to our Food Prices

Theoretical Considerations for Cost of Production Studies

Effective Integration of International Agricultural Training into On-Going Campus Programs

Exchange Rate Policy and Agricultural Development in Brazil

Labor Absorption: Some Evidence from Brazil on the Importance of Appropriate Factor Price Policy

The Metaproduction Function, Technology and Trade in Agricultural Products

The New Macroeconomics of Agriculture

| | | |
|---|--------|----------------|
| Staff Meeting on Agriculture, Natural Resources and Related Rural Development, 1981 January 13-15 | box 12 | folder 99 |
| Conference on Resource Allocation and Productivity in International Agricultural Research, 1975 | box 13 | folder 100-101 |
| Middle East and Africa - Agricultural and Resources Seminar, Khartoum, Sudan, 1980 January 6-9 | box 13 | folder 102 |
| East Africa Trip Reports, Correspondence - Joseph V. Remenyi, 1977-1978 | box 13 | folder 103 |
| African Development Council, 1980 | box 13 | folder 104 |
| David C. Korten's Papers/Community Organization, 1980 | box 13 | folder 105 |
| Outlines, 1981 June 11 | box 13 | folder 106 |
| The Ford Foundation's Strategy in Agriculture - A Twenty-Five Year Perspective, David E. Bell, Lowell S. Hardin, and Joseph V. Remenyi, undated | box 14 | folder 107 |
| Correspondence and Notes Related to ALAD: An Evaluation, 1978-1980 | box 14 | folder 108 |
| Council on Foreign Relations, 1978-1979 | box 14 | folder 109 |
| Public Policy, Joseph V. Remenyi, 1977-1978 | box 14 | folder 110 |
| "Feeding the Hungry: A 25 Year Perspective" Brochure Draft, 1979 | box 14 | folder 111 |
| African Background Information, Joseph V. Remenyi, 1972-1974 | box 14 | folder 112 |
| Responses on Reed Hertford's Proposal for Country Studies, 1978-1979 | box 14 | folder 113 |
| International Association of Agricultural Economists, 1980 | box 14 | folder 114 |
| Files of Norman R. Collins - Memos, Reports, Correspondence, etc., 1981 | box 15 | folder 115 |
| Korean Agricultural Sector Analysis and Recommended Development Strategies, 1971-1985, 1972 | box 15 | folder 116 |

Scope and Contents

Rossmiller, George E. - Field Project Director

Carroll, Tom W.

Kim, Sang Gee

Kim, Young Sik

Manetsch, Thomas J.

Suh, Han Hyeck

Kim, Dong Hi - Director, AERI

Johnson, Glenn L - Project Director

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|---|--------|----------------|
| Water Resources of India and their Utilisation in Agriculture, C. Dakshinamurti, A. M. Michael, Shri Mohan, Water Technology Centre, Indian Agricultural Research Institute, New Delhi, 1973 | box 15 | folder 117 |
| A Generalized Simulation Approach to Agricultural Sector Analysis with Special Reference to Nigeria, Michigan State University, 1971 November 30 | box 16 | folder 118 |
| Water Management Research in Arid and Sub-Humid Lands of Less Developed Countries - Annual Report - Colorado State University, 1975 December | box 16 | folder 119-120 |
| Consortium for International Development, Factors Affecting Losses from Indus Basin Irrigation Channels, Thomas J. Trout, Water Management Research Project, Colorado State University, Water Management Technical Report No. 50, 1979 July | box 16 | folder 121 |

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|--|--------|------------|
| Consortium for International Development, Evaluation and Improvement of Basin Irrigation, Gideon Peri, Gaylord V. Skogerboe, and Donald I. Norum, Water Management Research Project, Colorado State University, Water Management Technical Report No. 49B, 1979 July | box 16 | folder 122 |
|--|--------|------------|

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|---|--------|------------|
| Consortium for International Development, Evaluation and Improvement of Border Irrigation, Gideon Peri, Donald I. Norum, and V. Skogerboe, Water Management Research Project, Colorado State University, Water Management Technical Report No. 49C, 1979 July | box 17 | folder 123 |
|---|--------|------------|

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|--|--------|----------------|
| Improving Irrigation Water Management on Farms - Annual Technical Report, Colorado State University, 1978 June | box 17 | folder 124-125 |
|--|--------|----------------|

| | | |
|--|--------|------------|
| International Agricultural Research - Program/Budget Submissions of International Centers for 1979 and Related Materials, Ford Foundation Internal Review, 1978 October 25 | box 17 | folder 126 |
|--|--------|------------|

| | | |
|--|--------|------------|
| International Agricultural Research - Commentaries on the Work of the International Agricultural Research and Training Centers and their Program/Budget Submissions for 1980, Ford Foundation Internal Review, 1979 October 10 | box 17 | folder 127 |
|--|--------|------------|

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|--|--------|------------|
| Consortium for International Developments, Organizational Problems and Their Consequences on Improved Watercourses in Punjab, Ashfaq Hussain Mirza and Douglas James Merrey, Water Management Research Project, Colorado State University, Water Management Technical Report No. 55, 1979 December | box 17 | folder 128 |
|--|--------|------------|

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|--|--------|----------------|
| Improving Irrigation Water Management on Farms - Annual Technical Report, Colorado State University, 1979 June | box 18 | folder 129-130 |
|--|--------|----------------|

| | | |
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| Consortium for International Development, Farm Irrigation Constraints and Farmers' Responses: Comprehensive Field Survey in Pakistan, Max K. Lowdermilk, Alan C. Early and David M. Freeman, Water Management Research Project, Colorado State University, Water Management Technical Report No. 48-A, Volume I, 1978 September | box 18 | folder 131 |
|---|--------|------------|

Scope and Contents

Colorado State University

University of Arizona

University of California at Davis and at Riverside

Utah State University

New Mexico State University

Oregon State University

Texas Tech University

University of Idaho

Washington State University

| | | |
|---|--------|------------|
| Consortium for International Development, Organizational Alternatives to Improve On-Farm Water Management in Pakistan, Craig E. Radosevich and Craig Kirkwood, Colorado State University, Water Management Technical Report No. 36, 1975 June | box 18 | folder 132 |
|---|--------|------------|

[^ Return to Table of Contents](#)