

931170  
PN-AAP-464/58  
ISN-33 7788

# **WOMEN'S ROLES IN WATER SUPPLY AND SANITATION IN DEVELOPING COUNTRIES:**

## **A FOUR-PART BIBLIOGRAPHY**

**BY AUTHOR, SUBJECT, PHASE OF  
DEVELOPMENT, AND COUNTRY**

**WASH TECHNICAL REPORT NO. 21**

**FEBRUARY 1984**



**WATER AND SANITATION  
FOR HEALTH PROJECT**



**1611 N. Kent Street, Room 1002  
Arlington, Virginia 22209 USA**

**Prepared For:  
Office of Health  
Bureau for Science and Technology  
U.S. Agency for International Development  
Task No. B-410**

WASH TECHNICAL REPORT NO. 21

WOMEN'S ROLES IN WATER SUPPLY AND SANITATION IN DEVELOPING COUNTRIES:  
A Four-Part Bibliography by Author, Subject,  
Phase of Development, and Country

Prepared for the Office of Health, Bureau for Science and Technology,  
U.S. Agency for International Development Under Task No. B-410

Prepared by

Alice J. Smith

February 1984

## TABLE OF CONTENTS

Introduction .....	1
Codes .....	4
Source Addresses .....	5
Author Index .....	7
Subject Index .....	26
a. Appropriate Technology .....	27
b. Social and Economic Development .....	32
c. Education and Training .....	43
d. Health .....	52
e. Sociocultural Aspects .....	62
Phase Index .....	70
Country Index .....	71
Appendix A: "Section J Women," from WASH Technical Report No. 18, <u>Community Participation and Women's Roles in Water Supply and Sanitation in Developing Countries</u>	
Appendix B: Additional citations of relevance not included in the main bibliography.	

## WOMEN'S ROLE IN WATER SUPPLY AND SANITATION IN DEVELOPING COUNTRIES

### Introduction

The Water and Sanitation for Health (WASH) Project, in conjunction with the United Nations Development Program (UNDP), is pleased to issue this bibliography on Women's Roles in Water Supply and Sanitation in Developing Countries. The bibliography includes over one-hundred documents selected from the WASH Library and from materials supplied by Dr. Mary Elmendorf with documentation assistance from Ms. Leslie Rose and the TransCentury Foundation. This bibliography supplements WASH Technical Report No. 18 Community Participation and Women's Roles in Water Supply and Sanitation in Developing Countries, November 1982, a part of which appears as Appendix A herein. Appendix B lists several documents published or identified recently that were not included in the main bibliography.

### Emphasis on Women in the International Drinking Water Supply and Sanitation Decade (IDWSSD).

Traditionally women in rural and urban fringe areas play major roles in the use and management of water supplies and sanitation facilities. Yet many improvement schemes have not taken adequate account of this fact. In line with a growing recognition of the important impact which women can have on the success of such programmes, the United Nations Steering Committee for Cooperative Action for the IDWSSD established a Task Force on Women and the Decade in April 1982, chaired by UNICEF. In June 1983, UNDP approved an interregional project funded by the Norwegian Government, which aims at promoting women's active involvement in planning and implementation of water supply and sanitation improvements and in related health education activities. This bibliography has been produced to support these efforts by assisting in the establishment of an information base on this subject. It can be used in various training activities to be undertaken by the project, as well as serving as a tool for a broad audience of project managers, contractors, project personnel, government officials, non-governmental organizations and researchers engaged in water supply and sanitation-related activities.

### How To Use

A main author index is followed by (I) a subject index, (II) an index according to phase of development, and (III) a country index. The entries in the author index are arranged alphabetically and numbered sequentially. The Roman numerals following each entry refer to subsequent indices, and the small letters apply to the sub-categories appearing on the following code page. The subject index has been designed for use in a training or classroom setting and is similar to course reading assignments where the most relevant and useful documents are highlighted and followed by a short description. Others are listed for use if time and access permit. In the second section, documents pertaining to women's participation in particular phases of a water supply and sanitation project are listed by the numbers found in the author index. The phases of development are assessment, planning, implementation and evaluation.

### Obtaining Documents

In every case where possible, the source of the document is noted so that it may be obtained directly. Addresses for frequently noted organizations appear in a separate listing. In most cases, authors and publishers will grant copying privileges to persons in third world countries so that the purchase of multiple copies (for training purposes) will not be necessary. In the few cases where the source is not listed, UNDP may be able to supply the needed document.

### ACKNOWLEDGEMENTS

This bibliography would not exist without the contribution of Sally Coghlan and Jim Beverly who were responsible for overall management, Mary Elmendorf, Sally Timpson of UNDP, Raymond Isely, and Leslie Rose of TransCentury Foundation, who contributed actual listings and to the shaping of the document, and Barbara Furst, Yvonne Ways and Johnny Palmer who provided editing, word processing, and graphics services.

CODES

I. SUBJECT

- a. Appropriate Technology
- b. Social and Economic Development
- c. Education and Training
- d. Health
- e. Sociocultural Aspects

II. PHASES OF DEVELOPMENT

- a. Assessment
- b. Planning
- c. Implementation
- d. Evaluation

III. COUNTRY

## ACRONYMS AND ADDRESSES WHERE DOCUMENTS MAY BE OBTAINED \*

AED	Academy for Educational Development 1414 22nd Street, N.W. Washington, D.C. 20037
AID	Agency for International Development Document & Information Handling Facility 7222 47th Street, Suite 100 Chevy Chase, Maryland 20815
APDAC	Asian and Pacific Development Administration Center P.O. Box 2224 Persiaran Duta Duala Lumpur, Malaysia
EPOC	Equity Policy Center 1525 18th Street, N.W. Washington, D.C. 20036
FAO	Food and Agriculture Organization Via delle Terme di Caracalla 001000 Rome, Italy
ICRW	International Center for Research on Women 1010 16th Street, N.W. Washington, D.C. 20036
IDRC	International Development Research Centre Box 8500 Ottawa K2G 3M9, Canada
IRC	International Reference Centre for Community Water Supply and Sanitation P.O. Box 5500 2280 HM Rijswijk The Netherlands
OEF	Overseas Education Fund of the League of Women Voters 2101 L Street, N.W. Washington, D.C. 20037
PAHO	Pan American Health Organization 525 23rd Street, N.W. Washington, D.C. 20006
SIDA	Swedish International Development Association 105 25 Stockholm, Sweden

TransCentury  
Secretariat for Women in Development  
1789 Columbia Rd., N.W.  
Washington, D.C. 20009

UNICEF United Nations Children's Fund  
866 United Nations Plaza  
New York, New York 10017

UNDP United Nations Development Program  
866 United Nations Plaza  
New York, New York 10017

UNEP United Nations Environmental Program  
P.O. Box 30552  
Nairobi, Kenya

WASH Water and Sanitation for Health Project (AID)  
1611 N. Kent Street, Room 1002  
Arlington, Virginia 22209

WB World Bank  
1818 H Street, N.W.  
Washington, D.C. 20433

WE World Education  
1414 Sixth Ave.  
New York, New York 10019

WHO World Health Organization  
Avenue Appia  
1211 Geneva 27, Switzerland

\* If a source's address is not listed above, it appears in the bibliographic entry.

AUTHOR INDEX

AUTHOR INDEX

1. Abdullah, Tahrunnessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Women in Development Series, vol. 4. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House Fairview Park, Elmsford, New York 10523, U.S.A., 1982.  
  
I. b, c, d, e  
II. a, b, c, d  
III. Bangladesh
2. Acharya, Meena, and Bennett, Lynn. Women and the Subsistence Sector: Economic Participation and Household Decisionmaking in Nepal. World Bank Staff Working Papers no. 526. World Bank, Washington, D.C. 1983.  
  
I. b, c, e  
II. a, b, d  
III. Nepal
3. Adams, Francis McStay. Education and Training for the World's Poorest Women and Girls. Report prepared for the Office of Women and Development, AID. Equity Policy Center, Washington, D.C., 1980.  
  
I. b, c  
II. a, b, d
4. Agarwal, Anil. Introducing New Technologies: Try Asking the Women First, vols. 1 and 2. Information Service on Science and Society-Related Issues Report no. 53. Centre for Science and Environment, 807 Vishal Bhawan, 95 Nehru Place, New Delhi 110019, India, 1982.  
  
I. b, c, d, e  
II. b, c, d  
III. India
5. Aguwa, Margaret I., ed. Women, Health, and International Development: Proceedings of the Conference on Women, Health, and International Development, East Lansing, Michigan, October 22-23, 1982. Office of Women in International Development, 202 Center for International Programs, Michigan State University, East Lansing, Michigan 48824, 1983.  
  
I. b, c, d  
II. a, b, d

6. AID, Bureau for Program and Policy Coordination. Women in Development. AID Policy Paper. Bureau for Program and Policy Coordination, AID, Washington, D.C., October, 1982.
  - I. b, c, d
  - II. b, c
7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of Women in Development, AID, Washington, D.C., n.d.
  - I. a, b, c, d, e
  - II. a, b, c, d
8. Albihn, Mari; McPhee, Sarah; and Poluha, Eva. Integrating Women as a Means of Rural Development. A case study of the Swedish Chilalo Agricultural Development Unit. Swedish International Development Association, Stockholm, Sweden, 1982.
  - I. b, c
  - II. a, b, c, d
  - III. Ethiopia
9. Ansell, Christine. The Benefit of Rural Water Projects: An Impact Survey of Five Villages. New TransCentury Foundation, Box 377, Sanaa, Yemen Arab Republic, October, 1981.
  - I. d, e
  - II. a, d
  - III. Yemen Arab Republic
10. Asian and Pacific Centre for Women and Development. List of Publications. Asian and Pacific Centre for Women and Development, Kuala Lumpur, Malaysia, 1980.
  - I. a, b, c, e
  - II. a, b, c, d
11. Badran, Margot. "Contamination in Practice." Health Needs of the World's Poor Women, pp. 98-101. Edited by Patricia Blair. Equity Policy Center, Washington, D.C., 1981.
  - I. d, e
  - II. a, b
  - III. Sudan
12. Bisilliat, Jeanne. The Role of Women in the Onchocerciasis Programme Area. FAO, Rome, Italy, 1978.
  - I. b, c, d, e
  - II. a, b, c, d
  - III. Benin, Ghana, Ivory Coast, Mali, Niger, Togo, and Upper Volta

13. Blair, Patricia W. "The Health Needs of the World's Poor Women." Proceedings of International Symposium on Women and Their Health, June 8-11, 1980. Equity Policy Center, Washington, D.C.
  - I. b, c, d, e
  - II. a, b
  
14. Blair, Patricia W. Programming for Women and Health. Report prepared for the Office of Women in Development, AID. Equity Policy Center, Washington, D.C., July, 1980.
  - I. b, c, d
  - II. a, b
  
15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.
  - I. a, b, c, d, e
  - II. a, b, c, d
  - III. Guatemala, Nicaragua, Mexico, El Salvador, Colombia
  
16. Carr, Marilyn. Women and Technology in Rurally Oriented Projects. Notes on Women in Development, no. 13 (sectoral overviews). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.
  - I. a, b, d, e
  - II. b, d
  - III. Bangladesh, Colombia, India, Kenya, Brazil, Lesotho, Malawi
  
17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).
  - I. a, b, c, d, e
  - II. a, b, c, d
  - III. Kenya
  
18. Clark, Barbara A. "The Work Done by Rural Women in Malawi." Eastern African Journal of Rural Development, vol. 8, nos. 1 and 2, 1975, pp. 80-91. Dept. of Rural Economy and Extension, Makerere University, Kampala, Uganda, Box 7062.
  - I. b, e
  - II. a
  - III. Malawi

19. Clark, Noreen. Education for Development and the Rural Women: A Review of Theory and Principles with Emphasis on Kenya and the Philippines, vol. 1. World Education, New York, 1979.
- I. b, c
  - II. b, d
  - III. Kenya, Philippines
20. Cloud, Kathleen. Women and Water Management: Understandings Gained from My Asia Trip. Report to Principals in the CID Water Management Synthesis II Project. Consortium for International Development, Drawer A, Logan, Utah 84322, 1982.
- I. b, d, e
  - II. a, b, d
  - III. Sri Lanka, India, Indonesia
21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.
- I. a, b, c, d, e
  - II. a, b, c, d
22. Dey, Jennie. "Gambian Women: Unequal Partners in Rice Development Projects?" Journal of Development Studies, vol. 17, no. 3, 1981, pp. 109-122. Frank Cass & Co., Ltd., 11 Gainsborough Road, London E11RS, England.
- I. b, e
  - II. b, c, d
  - III. Gambia
23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
- I. a, b, c, d, e
  - II. a, b, d
24. Dulanse, Maryanne. Women in Development: Program Concerns in Francophone Sahel. Report of a Workshop, Bobo-Dioulasso, Upper Volta, July 5-7, 1979. Office of Women in Development, Washington, D.C., AID.
- I. a, b, c
  - II. b, d
  - III. Francophone Sahel  
(Region of Africa)

25. Dworkin, Daniel, and Pillsbury, Barbara K. The Potable Water Project in Rural Thailand. AID Project Impact Evaluation Report no. 3. AID, Washington, D.C., 1980.
- I. a, b, c, d
  - II. a, b, c, d
  - III. Thailand
26. Elliott, Veronica, and Sorsby, Victoria. An Investigation into Evaluations of Projects Designed to Benefit Women: Final Report. AID, Washington, D.C., 1979.
- I. b, c, d
  - II. a, d
27. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar held at PAHO March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. AID, Washington, D.C., April, 1981.
- I. b, c, d, e
  - II. a, b, d
28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.
- I. a, b, c, d, e
  - II. a, b, d
29. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report no. 11. WASH, Arlington, Virginia, December, 1981.
- I. b, c, d, e
  - II. a, b, c, d
30. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, vol. 3, no. 2, 1982, pp. 227-230. WHO, Geneva.
- I. b, c, d, e
  - II. a, b, d

31. Elmendorf, Mary, and Isely, Raymond B. Water and Sanitation-Related Health Constraints on Women's Contributions to the Economic Development Communities. WASH Technical Report no. 17. Prepared for the Office of Health, Bureau for Science and Technology, AID. WASH, Arlington, Virginia, October, 1982.
- I. b, c, d, e
  - II. a, b, d
32. Elmendorf, Mary. "Woman - The Underused Human Resource." Educacion Medica y Salud, vol. 16, no. 4, 1982, pp. 463-481. PAHO, Washington, D.C.
- I. b, c, d, e
  - II. b, c, d
  - III. Mexico, Panama
33. Elmendorf, Mary. Women and the Decade: Roles, Rights and Responsibilities. WHO, Geneva, 1982.
- I. c, d, e
  - II. a, b
34. Elmendorf, Mary. Women, Water and Waste: Beyond Access. WASH, Arlington, Virginia, 1981.
- I. b, c, d, e
  - II. a, b
35. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Women in Development Series, vol. 3. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House, Fairview Park, Elmsford, New York 10523 U.S.A., 1981.
- I. a, b, d, e
  - II. a, d
  - III. Bangladesh, Indonesia, Pakistan
36. Equity Policy Center. International Symposium on Women and Their Health - Interim Report. Port Deposit, Maryland, June 8-11, 1980. Equity Policy Center, Washington, D.C.
- I. c, d, e
  - II. a, b
37. Fagley, R. "Easing the Burden of Women." Assignment Children, vol. 36, 1976, pp. 9-28. UNICEF, Geneva.
- I. b, c, d, e
  - II. b

38. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandanavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.
- I. a, b, c, d, e
  - II. a, b, c, d
39. Folbre, Nancy. Household Production in the Philippines: A Non-Neoclassical Approach. Dept. of Economics, Bowdoin College, Brunswick, Maine 04011, 1980.
- I. b, e
  - II. a
  - III. Philippines
40. Gachukia, Eddah. "Women's Self-Help Efforts for Water Supply in Kenya." Assignment Children, vol. 45, no. 46, 1972, pp. 167-174. UNICEF, Geneva.
- I. a, c, d
  - II. c, d
  - III. Kenya
41. George, May. "A Radial Design Concept in 'Sites and Services' to Facilitate the Development of the Urban Poor, Especially Women." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements, June, 1980, pp. 20-27. Asian Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
- I. a, b
  - II. b, c, d
  - III. India
42. Germain, A. "Poor Rural Women: A Policy Perspective." Journal of International Affairs, vol. 30, no. 2, 1977, pp. 151-172. Columbia University, School of International Affairs, 420 W. 118th St. New York 10027.
- I. b, c, d, e
  - II. b, d
43. Getechah, W. "The Role of Women in Rural Water Development in Kenya." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 85-88. International Development Research Center, Ottawa, Canada, 1981.
- I. a, b, c
  - II. b, c
  - III. Kenya

44. Green, Edward. A Knowledge, Attitudes, and Practices Survey of Water and Sanitation in Swaziland. Academy for Educational Development, Inc., Washington, D.C., 1982.
- I. b, c, d, e
  - II. a, b, c, d
  - III. Swaziland
45. Haile, Tsehaye. "Community Participation in Rural Water Supply Development." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 89-95. International Development Research Centre, Ottawa, Canada, 1981.
- I. b, c, e
  - II. b, d
  - III. Ethiopia
46. Hanger, Jane, and Moris, Jon. "Women and the Household Economy." Mwea: An Irrigated Rice Settlement in Kenya. Edited by Robert Chambers and Jon Moris. Weltedrum Verlag, Munich, Germany, 1973. (Available at International Center for Research on Women).
- I. b, e
  - II. a
  - III. Kenya
47. Hannan-Andersson, Carolyn. Women, Water and Development in a Pare Settlement, Tanzania. Research Report no. 52. Bureau of Resource Assessment and Land Use Planning, University of Dar es Salaam, P.O. Box 35097, Dar es Salaam, Tanzania, 1982.
- I. b, c, d, e
  - II. a, b, c, d
  - III. Tanzania
48. Haratani, Joseph; Viveros-Long, Ana Maria; and de Gonzales, Ana Maria Becerra Marzano. Peru: CARE OPG Water Health Services Project. AID Project Impact Evaluation Report no. 24. AID, Washington, D.C., October, 1981.
- I. a, b, d
  - II. d
  - III. Peru
49. Harkness, Rose Mae. The Socio-Economic Impact of Water Supply and Sanitation Projects in the Upper Regions of Ghana on the Lives of Women. M.A. Thesis. Carlton University, Ottawa, Ontario K1S5B6, Canada, 1983.
- I. b, e
  - II. a, d
  - III. Ghana

50. International Center for Research on Women. Employment and Income Generation for Rural Women: A Report to USAID Thailand. Prepared for Office of Rural and Administrative Development, Bureau of Science and Technology, AID. International Center for Research on Women, Washington, D.C., 1981.
- I. a, b, e
  - II. a, b, c, d
  - III. Thailand
51. International Drinking Water Supply and Sanitation Decade Steering Committee. Women as Innovators in Drinking Water and Sanitation Projects. UNDP, New York, April, 1982.
- I. b, c, d, e
  - II. b, c, d
52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.
- I. a, b, c, d, e
  - II. a, b, c, d
53. Isely, Raymond B. "Assainissement des Sources d'Eau par des Moyens Locaux: Une Contribution a la Recherche d'une Technologie Appropriée." Annales de la Societe Belge de la Medecine Tropicale, vol. 58, 1978, pp. 149-156. Societe Belge de Medecine Tropicale, 21 Rue de la Limite, Brussels 1030, Belgium.
- I. a, b, d
  - II. a, b, d
  - III. Cameroon
54. Isely, Raymond B. "Focusing Sanitation Programs on Mothers and Older Siblings of Small Children." Tropical Doctor, vol. 14, in press. The Royal Society of Medicine, 1 Wimpole Street, London W1M8AE, England.
- I. b, c, d
  - II. b
55. Isely, Raymond B. "The Relationship of Accessible Safe Water and Adequate Sanitation to Maternal and Child Health." Water Supply and Management, vol. 5, no. 6, 1981, pp. 417-424. Water Supply and Management, 3 Valley View Road, Ottawa, Ontario K2H5Y6, Canada.
- I. b, d
  - II. a, b, d

56. Iwaski, Shumsuke. "A Working Memorandum on Issues Relating to Women with Reference to Housing, Transport and Human Settlements." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlement. Report of Workshops in Bangkok, Thailand, June, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
- I. b, c, d, e  
II. a, b
57. Jorgensen, Kirsten. African Rural Water Supply: Where Have All the Women Gone? Paper presented at "Another Development With Women Seminar" by the African Women's Association for Research and Development and the Dag Hammarskjold Foundation. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
- I. a, b, c, d  
II. a, b
58. Jorgensen, Kirsten. The Importance of Drinking Water Projects to Women. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
- I. b, d, e  
II. b, d
59. Jorgensen, Kirsten. "Rural Water Supply - The Woman's Role." African Water and Sewage, November, 1982. Failing Supply Ltd., Bank House, Sutton Court Road, Sutton Surrey, England.
- I. a, b, d, e  
II. a, b, d
60. Jorgensen, Kirsten. Some Social and Cultural Aspects of Rural Water Supply. Paper presented at the World Bank/UNDP Handpumps Project Advisory Panel Meeting in Braintree, England, October 11-12, 1981. World Bank, Washington, D.C.
- I. a, b, c, e  
II. a, b, d
61. Jorgensen, Kirsten. Water Supply Problems in Rural Africa: The Implications for Women. Paper presented at Interregional Seminar on Rural Water Supply - A Contribution to the Preparation of the Water Decade, Uppsala, Sweden, October 5-16, 1980. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK-1472, Denmark.
- I. b, d, e  
II. a, b, d

62. Jorgensen, Kirsten. Water Supply Problems in Rural Areas of Africa, General Aspects. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK1472, Denmark, 1980.
- I. a, b, d, e
  - II. a, b, d
63. Kamal, Sultana, and Maspero, Marina. "Working with the Women of Sylhet." Dialogue, Summer/Fall 1978, pp. 3-5. International Voluntary Services, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.
- I. b, d, e
  - II. c, d
  - III. Bangladesh
64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
- I. a, b, c, d, e,
  - II. a, b, c, d
65. Liebenon, J. Gus. Malawi Clean Water for the Rural Poor. AUFS Field Staff Report no. 40. American Universities Field Staff, 3 Lebanon St., Hanover, New Hampshire 03755.
- I. a, b, d
  - II. a, b, c, d
  - III. Malawi
66. Mathur, G.C. "Development of Women - Key Issues Relating to Housing, Community Facilities and Public Utilities." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
- I. b, c, d
  - II. a, b
67. McSweeney, Brenda Gael, and Freedman, Marion. "Lack of Time as an Obstacle to Women's Education: The Case of Upper Volta." Comparative Education Review, June, 1980, pp. 124-138. University of Chicago Press, 11030 S. Langley Ave., Chicago, Illinois 60628.
- I. b, c, d, e
  - II. a, d
  - III. Upper Volta

68. Menon, Bhargavi. "Developmental Dimensions Relating to Women and Housing." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
- I. b, c, d, e
  - II. a, b, c, d
  - III. India
69. Midence, Martita. "Women and Development: An Annotated Resource Guide." Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-89. Edited by Carann G. Turner. APLIC, P.O. Box 6701, Washington, D.C. 20020, March, 1982.
- I. b, c, d, e
  - II. a, b
70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).
- I. a, b, c, d, e
  - II. b, c, d
71. Mujeni, A. "Les Voix du Village." Environnement Africain, vol. 1, no. 3, 1975, pp. 85-98. Based on report prepared for YWCA, Geneva. (Available at UNDP).
- I. b, c, d, e
  - II. a, b
  - III. Zimbabwe
72. Newland, Kathleen. Women, Men and the Division of Labor. Worldwatch Paper 37. Worldwatch Institute, 1776 Massachusetts Ave. N.W., Washington, D.C. 20036, 1980.
- I. b, e
  - II. a, d
73. Nieves, Isabel. "Beyond Survival Skills: Providing Basic Services to Satisfy the Needs of Poor Women." Priorities in the Design of Development Programs: Women's Issues, October, 1980, pp. 97-120. International Center for Research on Women, Washington, D.C. 20036.
- I. b, c, d
  - II. a, b, d

74. Obeng, Letitia E. "One Vote for Water on Tap." Health Needs of the World's Poor Women, pp. 96-97. Edited by Patricia W. Blair. Equity Policy Center, Washington, D.C., 1981.
- I. b, d, e
  - II. a, b
75. Obeng, Letitia E. Women and Water-Related Disease. Paper presented at the International Symposium on Women and Their Health, Washington, D.C., June 8-11, 1980. Equity Policy Center, Washington, D.C.
- I. b, d
  - II. a, b
76. Obeng, Letitia E. Women the Water Carriers and Water-Related Diseases. Presented at the World Conference of the UN Decade for Women, Equality, Development and Peace, Copenhagen, July, 1980. Division of Information, Nairobi, Kenya, UNEP, 1980.
- I. b, c, d
  - II. a, b
77. O'Kelly, Elizabeth. Simple Technologies for Rural Women in Bangladesh. Women's Development Programme, UNICEF, Dacca, Bangladesh, 1977.
- I. a, b
  - II. b, c
  - III. Bangladesh
78. O'Kelly, Elizabeth. Water and Sanitation for All. Happy Healthy Homes Series, no. 4. Associated Country Women of the World, 50 Warwick Sq., London SW1V2AJ, England, 1982.
- I. a, b
  - II. b, c
79. Pala, Achola. "Woman Power in Kenya: Raising Funds and Awareness." Ceres, vol. 11, no. 2, 1978, pp. 43-46. FAO, Rome.
- I. a, b, c, e
  - II. b, c, d
  - III. Kenya
80. Paqui, Hilda R. Women and the International Drinking Water Supply and Sanitation Decade: Note by the UNDP. UN International Research and Training Institute for the Advancement of Women, New York, January, 1982.
- I. b, c, d
  - II. a, b

81. Piriymaskul, Ralana. Thai Hill Tribe Women's Role in Family Nutrition. Tribal Research Centre, Chiang Mai, Thailand, n.d. (Available at TransCentury).
- I. b, d, e
  - II. a
  - III. Thailand
82. The Rada Integrated Rural Development Project. A case study presented by the Netherlands to the OECD/DAC/Women in Development Correspondence Group Meeting in Paris, January 26-27, 1983. (Available at TransCentury).
- I. b, c, d, e
  - II. c, d
  - III. Yemen Arab Republic
83. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Office of Women in Development, AID, Washington, D.C., September, 1980.
- I. b, c, d, e
  - II. a, b
84. Russell, Annemarie. Report on the Situation of Women in the Target Villages of the UNICEF Domestic Water Supply Project in Bahr el Ghazal Province, Sudan. Sudan Country Office, UNICEF, Khartoum, Sudan, October, 1979.
- I. b, c, d
  - II. c, d
  - III. Sudan
85. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." Implementing Programs of Human Development, July, 1980, pp. 311-372. World Bank Staff Working Paper no. 403. Edited by Peter T. Knight. World Bank, Washington, D.C.
- I. b, c, d, e
  - II. a, d
86. Schoeffel, Penelope. Dilemmas of Modernization in Primary Health in Western Samoa. Presented at the American Anthropological Society Meeting, Washington, D.C., December 4-7, 1982. American Anthropological Association, 1703 New Hampshire Ave. N.W., Washington, D.C. 20009.
- I. d, e
  - II. a
  - III. Western Samoa

87. Scott, Gloria L. Workshop on Women in Development: Project Design Issues. World Bank, Washington, D.C., 1981.
- I. b, c, d, e
  - II. b
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, TransCentury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.
- I. a, b, c, d, e
  - II. a, b, c, d
89. Selvik, A. "Naere Barn Giftes Mest." (Local Selection of Marriage Partners). Plan og Arbeid, no. 3/4, 1976, pp. 99-100. Arbeidsdirektoratet Postboks 8127, Oslo 1, Norway.
- I. b, e
  - II. a, d
  - III. Norway
90. Shochet, Susan K. Malnutrition in Sri Lanka. Population, Health and Nutrition Department, World Bank, Washington, D.C., 1983.
- I. b, d
  - II. a, b
  - III. Sri Lanka
91. Smale, Melinda. Women in Mauritania: The Effects of Drought and Migration on Their Economic Status and Implications for Development Programs. Office of Women in Development, AID, Washington, D.C., 1980.
- I. b, d, e
  - II. d
  - III. Mauritania
92. Srijayaramachandra, K. "Social and Cultural Aspects of the Water Sector." Annex VII to A National Plan for Safe Drinking Water, vol. 2, July, 1979, pp. 98-103. University of Moratuwa, Dept. of Town and Country Planning, Moratuwa, Sri Lanka. (Available at WASH).
- I. b, d, e
  - II. a
  - III. Sri Lanka

93. Svendsen, Dian Seslar, and Wijetilleke, Sujatha. Navamaga: Training Activities for Group Building, Health and Income Generation. Overseas Education Fund, Washington, D.C. 20037, 1983.
- I. b, c, d, e
  - II. b, c,
  - III. Sri Lanka
94. Tinker, Irene. Women and Energy: Program Implications. Office of Women in Development, AID, Washington, D.C., 1980.
- I. a, b, c, d
  - II. a, b, c, d
95. Tripp, Robert B. "Time Allocation in Northern Ghana: An Example of the Random Visit Method." The Journal of Developing Areas, vol. 16, April, 1982, pp. 391-400. Western Illinois University, Macomb, Illinois 61455, 1982.
- I. b
  - II. a
  - III. Ghana
96. UN International Research and Training Institute for the Advancement of Women (INSTRAW). Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
- I. a, b, c, d, e
  - II. a, b, d
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
- I. a, b, c, d, e
  - II. b
98. UNEP. Women, Environment and Water. Environmental brief no. 2/80. UNEP, Nairobi, Kenya, 1980.
- I. b, c, d, e
  - II. a, b, c, d
  - III. Kenya
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography. Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
- I. a, b, c, d, e
  - II. a, b, c, d

100. "Water Projects 'need women's support.'" World Water, no. 9, 1982, p. 4. Institution of Civil Engineers, 1-7 Great George St., London SW1P3AA, England.

I. c, d  
II. b, d

101. Wellin, Edward. Socio-Cultural Impact of WS [and] S on Far Highland Communities in Peru. Excerpt from AID Evaluation 1982. AID, Washington, D.C., 1982.

I. b, c, d  
II. a, d  
III. Peru

102. Whiting, Martha, and Krystall, Abigail. The Impact of Rural Water Supply Projects on Women. Draft of report currently in progress. CARE, Mucai Rd., Nairobi, Kenya, 1977.

I. b  
II. a  
III. Kenya

103. WHO. Progress Report of WHO Activities Concerning Women, Health and Development in 1981. Prepared for the Twenty-ninth Session of the UN Commission on the Status of Women, Vienna, Austria, February 22-March 3, 1982. WHO, Geneva.

I. b, c, d  
II. a, b, c, d

104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.

I. a, b, c, d, e  
II. a, b, c, d  
III. Guatemala, Nicaragua, Mexico, Colombia, El Salvador

105. World Bank. Case Study: Nicaragua Rural Sanitation Project. Notes on Women in Development Series no. 18. (Case studies). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.

I. a, b, d, e  
II. a, c  
III. Nicaragua

106. World Bank. Integrating Women into Development. World Bank,  
Washington, D.C., August, 1975.

- I. a, b, c, d, e
- II. b, c, d

107. World Bank. Recognizing the "Invisible" Woman in Development: The  
World Bank's Experience. World Bank, October, Washington, D.C.,  
1979.

- I. b, c, d
- II. a, b, d

108. World Conference of the United Nations Decade for Women: Equality  
Development and Peace. Women in Rural Areas: Item 8 (b) of the  
Provisional Agenda for Copenhagen July 14-30, 1980 Conference.  
UN, New York.

- I. b, c, d
- II. a, b, c, d

SUBJECT INDEX

SUBJECT INDEX

a. APPROPRIATE TECHNOLOGY

Key Documents

16. Carr, Marilyn. Women and Technology in Rurally Oriented Projects. Notes on Women in Development, no. 13 (sectoral overviews). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.

Carr's main hypothesis is "... that rurally oriented development projects stand a greater chance of success if more consideration is given to the important role that women have to play in enabling potential benefits to be realized." In Section IV of this paper, she emphasizes the necessity of training women in technologies for improving the water supply, sanitation, and general home care. She also stresses that water projects risk failure if women are not involved in the planning stages, and she substantiates her remarks with specific examples which program planners should find interesting.

21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.

According to the editors, technology benefits a whole population only when it permits the productive use of all human resources, female as well as male. This book considers developmental target areas - health, food, housing, and fertility - that concern women and assesses their roles both in adaptation to technological change and as agents of that change. The writings include policy surveys, specific country examples, and technologies appropriate for women such as those which relieve back-breaking, time-consuming labor. Policy and program planners who wish a community to gain maximum benefit from specific water projects will want to take this book into account.

70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).

Section II of this thorough manual for water program planners and implementers discusses specific appropriate technologies for water supply and waste disposal systems. An overview of available water supply systems appears first, followed by in-depth coverage of topics such as the identification, retrieval, treatment, storage, and distribution of water. The same treatment, overview followed by specifics, is given to excreta disposal options ranging from non-water transport methods to industrial wastewater problems. Comprehensive source lists appear after each chapter. Other sections of the book cover health problems and effective training techniques.

77. O'Kelly, Elizabeth. Simple Technologies for Rural Women in Bangladesh. Women's Development Programme, UNICEF, Dacca, Bangladesh, 1977.

This handbook describes simple, manually operated machines and other appropriate technologies which rural women can use to shorten their work loads, particularly obtaining and transporting water. O'Kelly suggests ideas for use by local groups of women or other organizations engaged in rural development programs for women. The methods were originally compiled for use in Bangladesh but may also serve in other rural areas. A bibliography, list of material suppliers, and other useful addresses are also provided.

78. O'Kelly, Elizabeth. Water and Sanitation for All. Happy Healthy Homes Series, no. 4. Associated Country Women of the World, 50 Warwick Sq., London SW1V2AJ, England, 1982.

This pamphlet provides a brief guide to various technological options which should be open to field workers engaged in village water supply and sanitation improvement projects. Methods for obtaining and using water from the ground, surface, and rain are reviewed. Sketches accompany the descriptions of wells, pumps, latrines, and simple filtering systems among others. Although it is not intended as a complete "how-to-do it" book, names of some publications and organizations offering further technical assistance appear at the back. O'Kelly's overview is a good starting point for investigations into appropriate technological possibilities.

\* \* \*

#### Additional Documents

7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of Women in Development, AID, Washington, D.C., n.d.
10. Asian and Pacific Centre for Women and Development. List of Publications. Asian and Pacific Centre for Women and Development, Kuala Lumpur, Malaysia, 1980.
15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.
17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).

23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
24. Dulansey, Maryanne. Women in Development: Program Concerns in Francophone Sahel. Report of a Workshop, Bobo-Dioulasso, Upper Volta, July 5-7, 1979. Office of Women in Development, Washington, D.C., AID.
25. Dworkin, Daniel, and Pillsbury, Barbara K. The Potable Water Project in Rural Thailand. AID Project Impact Evaluation Report no. 3. AID, Washington, D.C., 1980.
28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.
35. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Women in Development Series, vol. 3. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House, Fairview Park, Elmsford, New York 10523 U.S.A., 1981.
38. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandanavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.
40. Gachukia, Eddah. "Women's Self-Help Efforts for Water Supply in Kenya." Assignment Children, vol. 45, no. 46, 1972, pp. 167-174. UNICEF, Geneva.
41. George, May. "A Radial Design Concept in 'Sites and Services' to Facilitate the Development of the Urban Poor, Especially Women." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements, June, 1980, pp. 20-27. Asian Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
43. Getechah, W. "The Role of Women in Rural Water Development in Kenya." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 85-88. International Development Research Center, Ottawa, Canada, 1981.
48. Haratani, Joseph; Viveros-Long, Ana Maria; and de Gonzales, Ana Maria Becerra Marzano. Peru: CARE OPG Water Health Services Project. AID Project Impact Evaluation Report no. 24. AID, Washington, D.C., October, 1981.

50. International Center for Research on Women. Employment and Income Generation for Rural Women: A Report to USAID Thailand. Prepared for Office of Rural and Administrative Development, Bureau of Science and Technology, AID. International Center for Research on Women, Washington, D.C., 1981.
52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.
53. Isely, Raymond B. "Assainissement des Sources d'Eau par des Moyens Locaux: Une Contribution a la Recherche d'une Technologie Approprie." Annales de la Societe Belge de la Medecine Tropicale, vol. 58, 1978, pp. 149-156. Societe Belge de Medecine Tropicale, 21 Rue de la Limite, Brussels 1030, Belgium.
57. Jorgensen, Kirsten. African Rural Water Supply: Where Have All the Women Gone? Paper presented at "Another Development With Women Seminar" by the African Women's Association for Research and Development and the Dag Hammarskjold Foundation. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
59. Jorgensen, Kirsten. "Rural Water Supply - The Woman's Role." African Water and Sewage, November, 1982. Failing Supply Ltd., Bank House, Sutton Court Road, Sutton Surrey, England.
60. Jorgensen, Kirsten. Some Social and Cultural Aspects of Rural Water Supply. Paper presented at the World Bank/UNDP Handpumps Project Advisory Panel Meeting in Braintree, England, October 11-12, 1981. World Bank, Washington, D.C.
62. Jorgensen, Kirsten. Water Supply Problems in Rural Areas of Africa, General Aspects. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK1472, Denmark, 1980.
64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
65. Liebenon, J. Gus. Malawi Clean Water for the Rural Poor. AUFS Field Staff Report no. 40. American Universities Field Staff, 3 Lebanon St., Hanover, New Hampshire 03755.
79. Pala, Achola. "Woman Power in Kenya: Raising Funds and Awareness." Ceres, vol. 11, no. 2, 1978, pp. 43-46. FAO, Rome.
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, TransCentury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.

94. Tinker, Irene. Women and Energy: Program Implications. Office of Women in Development, AID, Washington, D.C., 1980.
96. UN International Research and Training Institute for the Advancement of Women. Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography, Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.
105. World Bank. Case Study: Nicaragua Rural Sanitation Project. Notes on Women in Development Series no. 18. (Case studies). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.
106. World Bank. Integrating Women into Development. World Bank, Washington, D.C., August, 1975.

SUBJECT INDEX

b. SOCIAL AND ECONOMIC DEVELOPMENT

Key Documents

6. AID, Bureau for Program and Policy Coordination. Women in Development. AID Policy Document. Bureau for Program and Policy Coordination, AID, Washington, D.C., October, 1982.

Section E of this AID policy description concerns the agency's approach to local women's involvement in water and sanitation development programs. AID recognizes that "women have a strong stake in the establishment of water and sanitation systems and an equally strong incentive to make sure the systems are adequately and continuously maintained." The paper urges that AID water projects include plans which train women as well as men in construction, operation, and long-term system maintenance. Researchers interested in AID's present approach to development programs should find this section useful.

28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.

In this article, practical suggestions are made as to how women can be effectively involved in water and sanitation programs as acceptors, users, managers, and diffusers (change agents) of new technologies concerning water systems. Concrete examples of each are offered from field experiences. The authors base their writing on an extensive review of the literature, placing it within the context of theories concerning women's roles. Elmendorf and Isely outline participation-oriented approaches to future development projects which designers as well as field workers and trainers should find highly pertinent.

52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.

The twentieth issue of The Tribune quarterly concerns women and water and provides a comprehensive listing of resources, including audio-visual aids and agencies as well as publications dealing with the topic. The editors also give a brief overview of the world water situation and women's position in it as motivators, initiators, and managers. People seeking additional source material on women and water technology will find the bibliography exceedingly helpful.

70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).

Water supply and sanitation program designers, managers, and field workers in developing nations will find this comprehensive manual of invaluable assistance in their work. Part I defines health problems related to water supply in rural areas; Part II presents appropriate technical solutions to those problems; Part III describes ways to match problems and solutions and effectively implement them. Chapters include descriptions of planning strategies, technical systems with specific examples, community participation concepts, cultural considerations, training methods, and evaluation procedures. A wide range of recognized authorities in their fields contributed to the book's preparation and have listed additional sources for further information.

83. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Office of Women in Development, AID, Washington, D.C., September, 1980.

Paula Roark discusses "what" community participation is, "how" it works in rural water supply projects, and "why" women must be included in order to develop and maintain water programs successfully. Roark's field observations of the traditional relationships between women and local learning systems form the basis for her arguments. She outlines these local learning frameworks, integrating them into a set of guidelines for future AID water development programs. The book is particularly relevant for policy developers concerned with long-range community acceptance of technical systems and attention to sanitation hazards.

\* \* \*

#### Additional Documents

1. Abdullah, Tahrnunessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Women in Development Series, vol. 4. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House Fairview Park, Elmsford, New York 10523, U.S.A., 1982.
2. Acharya, Meena, and Bennett, Lynn. Women and the Subsistence Sector: Economic Participation and Household Decisionmaking in Nepal. World Bank Staff Working Papers no. 526. World Bank, Washington, D.C. 1983.

3. Adams, Francis McStay. Education and Training for the World's Poorest Women and Girls. Report prepared for the Office of Women and Development, AID. Equity Policy Center, Washington, D.C., 1980.
4. Agarwal, Anil. Introducing New Technologies: Try Asking the Women First, vols. 1 and 2. Information Service on Science and Society-Related Issues Report no. 53. Centre for Science and Environment, 807 Vishal Bhawan, 95 Nehru Place, New Delhi 110019, India, 1982.
5. Aguwa, Margaret I., ed. Women, Health, and International Development: Proceedings of the Conference on Women, Health, and International Development, East Lansing, Michigan, October 22-23, 1982. Office of Women in International Development, 202 Center for International Programs, Michigan State University, East Lansing, Michigan 48824, 1983.
7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of Women in Development, AID, Washington, D.C., n.d.
8. Albihn, Mari; McPhee, Sarah; and Poluha, Eva. Integrating Women as a Means of Rural Development. A case study of the Swedish Chilalo Agricultural Development Unit. Swedish International Development Association, Stockholm, Sweden, 1982.
10. Asian and Pacific Centre for Women and Development. List of Publications. Asian and Pacific Centre for Women and Development, Kuala Lumpur, Malaysia, 1980.
12. Bisilliat, Jeanne. The Role of Women in the Onchocerciasis Programme Area. FAO, Rome, Italy, 1978.
13. Blair, Patricia W. "The Health Needs of the World's Poor Women." Proceedings of International Symposium on Women and Their Health, June 8-11, 1980. Equity Policy Center, Washington, D.C.
14. Blair, Patricia W. Programming for Women and Health. Report prepared for the Office of Women in Development, AID. Equity Policy Center, Washington, D.C., July, 1980.
15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.
16. Carr, Marilyn. Women and Technology in Rurally Oriented Projects. Notes on Women in Development, no. 13 (sectoral overviews). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.

17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).
18. Clark, Barbara A. "The Work Done by Rural Women in Malawi." Eastern African Journal of Rural Development, vol. 8, nos. 1 and 2, 1975, pp. 80-91. Dept. of Rural Economy and Extension, Makerere University, Kampala, Uganda, Box 7062.
19. Clark, Noreen. Education for Development and the Rural Women: A Review of Theory and Principles with Emphasis on Kenya and the Philippines, vol. 1. World Education, New York, 1979.
20. Cloud, Kathleen. Women and Water Management: Understandings Gained from My Asia Trip. Report to Principals in the CID Water Management Synthesis II Project. Consortium for International Development, Drawer A, Logan, Utah 84322, 1982.
21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.
22. Dey, Jennie. "Gambian Women: Unequal Partners in Rice Development Projects?" Journal of Development Studies, vol. 17, no. 3, 1981, pp. 109-122. Frank Cass & Co., Ltd., 11 Gainsborough Road, London E11RS, England.
23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
24. Dulanse, Maryanne. Women in Development: Program Concerns in Francophone Sahel. Report of a Workshop, Bobo-Dioulasso, Upper Volta, July 5-7, 1979. Office of Women in Development, Washington, D.C., AID.
25. Dworkin, Daniel, and Pillsbury, Barbara K. The Potable Water Project in Rural Thailand. AID Project Impact Evaluation Report no. 3. AID, Washington, D.C., 1980.
26. Elliott, Veronica, and Sorsby, Victoria. An Investigation into Evaluations of Projects Designed to Benefit Women: Final Report. AID, Washington, D.C., 1979.
27. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar held at PAHO March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. AID, Washington, D.C., April, 1981.

29. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report no. 11. WASH, Arlington, Virginia, December, 1981.
30. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, vol. 3, no. 2, 1982, pp. 227-230. WHO, Geneva.
31. Elmendorf, Mary, and Isely, Raymond B. Water and Sanitation-Related Health Constraints on Women's Contributions to the Economic Development Communities. WASH Technical Report no. 17. Prepared for the Office of Health, Bureau for Science and Technology, AID. WASH, Arlington, Virginia, October, 1982.
32. Elmendorf, Mary. "Woman - The Underused Human Resource." Educacion Medica y Salud, vol. 16, no. 4, 1982, pp. 463-481. PAHO, Washington, D.C..
34. Elmendorf, Mary. Women, Water and Waste: Beyond Access. WASH, Arlington, Virginia, 1981.
35. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Women in Development Series, vol. 3. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX3OBW, England or Maxwell House, Fairview Park, Elmsford, New York 10523 U.S.A., 1981.
37. Fagley, R. "Easing the Burden of Women." Assignment Children, vol. 36, 1976, pp. 9-28. UNICEF, Geneva.
38. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandanavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.
39. Folbre, Nancy. Household Production in the Philippines: A Non-Neoclassical Approach. Dept. of Economics, Bowdoin College, Brunswick, Maine 04011, 1980.
41. George, May. "A Radial Design Concept in 'Sites and Services' to Facilitate the Development of the Urban Poor, Especially Women." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements, June, 1980, pp. 20-27. Asian Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
42. Germain, A. "Poor Rural Women: A Policy Perspective." Journal of International Affairs, vol. 30, no. 2, 1977, pp. 151-172. Columbia University, School of International Affairs, 420 W. 118th St. New York 10027.

43. Getechah, W. "The Role of Women in Rural Water Development in Kenya." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 85-88. International Development Research Center, Ottawa, Canada, 1981.
44. Green, Edward. A Knowledge, Attitudes, and Practices Survey of Water and Sanitation in Swaziland. Academy for Educational Development, Inc., Washington, D.C., 1982.
45. Haile, Tsehaye. "Community Participation in Rural Water Supply Development." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 89-95. International Development Research Centre, Ottawa, Canada, 1981.
46. Hanger, Jane, and Moris, Jon. "Women and the Household Economy." Mwea: An Irrigated Rice Settlement in Kenya. Edited by Robert Chambers and Jon Moris. Weltedrum Verlag, Munich, Germany, 1973. (Available at International Center for Research on Women).
47. Hannan-Andersson, Carolyn. Women, Water and Development in a Pare Settlement, Tanzania. Research Report no. 52. Bureau of Resource Assessment and Land Use Planning, University of Dar es Salaam, P.O. Box 35097, Dar es Salaam, Tanzania, 1982.
48. Haratani, Joseph; Viveros-Long, Ana Maria; and de Gonzales, Ana Maria Becerra Marzano. Peru: CARE OPG Water Health Services Project. AID Project Impact Evaluation Report no. 24. AID, Washington, D.C., October, 1981.
49. Harkness, Rose Mae. The Socio-Economic Impact of Water Supply and Sanitation Projects in the Upper Regions of Ghana on the Lives of Women. M.A. Thesis. Carlton University, Ottawa, Ontario K1S5B6, Canada, 1983.
50. International Center for Research on Women. Employment and Income Generation for Rural Women: A Report to USAID Thailand. Prepared for Office of Rural and Administrative Development, Bureau of Science and Technology, AID. International Center for Research on Women, Washington, D.C., 1981.
51. International Drinking Water Supply and Sanitation Decade Steering Committee. Women as Innovators in Drinking Water and Sanitation Projects. UNDP, New York, April, 1982.
53. Isely, Raymond B. "Assainissement des Sources d'Eau par des Moyens Locaux: Une Contribution a la Recherche d'une Technologie Approprie." Annales de la Societe Belge de la Medecine Tropicale, vol. 58, 1978, pp. 149-156. Societe Belge de Medecine Tropicale, 21 Rue de la Limite, Brussels 1030, Belgium.

54. Isely, Raymond B. "Focusing Sanitation Programs on Mothers and Older Siblings of Small Children." Tropical Doctor, vol. 14, in press. The Royal Society of Medicine, 1 Wimpole Street, London W1M8AE, England.
55. Isely, Raymond B. "The Relationship of Accessible Safe Water and Adequate Sanitation to Maternal and Child Health." Water Supply and Management, vol. 5, no. 6, 1981, pp. 417-424. Water Supply and Management, 3 Valley View Road, Ottawa, Ontario K2H5Y6, Canada.
56. Iwaski, Shumsuke. "A Working Memorandum on Issues Relating to Women with Reference to Housing, Transport and Human Settlements." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlement. Report of Workshops in Bangkok, Thailand, June, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
57. Jorgensen, Kirsten. African Rural Water Supply: Where Have All the Women Gone? Paper presented at "Another Development With Women Seminar" by the African Women's Association for Research and Development and the Dag Hammarskjold Foundation. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
58. Jorgensen, Kirsten. The Importance of Drinking Water Projects to Women. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
59. Jorgensen, Kirsten. "Rural Water Supply - The Woman's Role." African Water and Sewage, November, 1982. Failing Supply Ltd., Bank House, Sutton Court Road, Sutton Surrey, England.
60. Jorgensen, Kirsten. Some Social and Cultural Aspects of Rural Water Supply. Paper presented at the World Bank/UNDP Handpumps Project Advisory Panel Meeting in Braintree, England, October 11-12, 1981. World Bank, Washington, D.C.
61. Jorgensen, Kirsten. Water Supply Problems in Rural Africa: The Implications for Women. Paper presented at Interregional Seminar on Rural Water Supply - A Contribution to the Preparation of the Water Decade, Uppsala, Sweden, October 5-16, 1980. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK-1472, Denmark.
62. Jorgensen, Kirsten. Water Supply Problems in Rural Areas of Africa, General Aspects. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK1472, Denmark, 1980.
63. Kamal, Sultana, and Maspero, Marina. "Working with the Women of Sylhet." Dialogue, Summer/Fall 1978, pp. 3-5. International Voluntary Services, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.

64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
65. Liebenon, J. Gus. Malawi Clean Water for the Rural Poor. AUFS Field Staff Report no. 40. American Universities Field Staff, 3 Lebanon St., Hanover, New Hampshire 03755.
66. Mathur, G.C. "Development of Women - Key Issues Relating to Housing, Community Facilities and Public Utilities." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
67. McSweeney, Brenda Gael, and Freedman, Marion. "Lack of Time as an Obstacle to Women's Education: The Case of Upper Volta." Comparative Education Review, June, 1980, pp. 124-138. University of Chicago Press, 11030 S. Langley Ave., Chicago, Illinois 60628.
68. Menon, Bhargavi. "Developmental Dimensions Relating to Women and Housing." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
69. Midence, Martita. "Women and Development: An Annotated Resource Guide." Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-89. Edited by Carann G. Turner. APLIC, P.O. Box 6701, Washington, D.C. 20020, March, 1982.
71. Mujeni, A. "Les Voix du Village." Environnement Africain, vol. 1, no. 3, 1975, pp. 85-98. Based on report prepared for YWCA, Geneva. (Available at UNDP).
72. Newland, Kathleen. Women, Men and the Division of Labor. Worldwatch Paper 37. Worldwatch Institute, 1776 Massachusetts Ave. N.W., Washington, D.C. 20036, 1980.
73. Nieves, Isabel. "Beyond Survival Skills: Providing Basic Services to Satisfy the Needs of Poor Women." Priorities in the Design of Development Programs: Women's Issues, October, 1980, pp. 97-120. International Center for Research on Women, Washington, D.C. 20036.
74. Obeng, Letitia E. "One Vote for Water on Tap." Health Needs of the World's Poor Women, pp. 96-97. Edited by Patricia W. Blair. Equity Policy Center, Washington, D.C., 1981.

75. Obeng, Letitia E. Women and Water-Related Disease. Paper presented at the International Symposium on Women and Their Health, Washington, D.C., June 8-11, 1980. Equity Policy Center, Washington, D.C.
76. Obeng, Letitia E. Women the Water Carriers and Water-Related Diseases. Presented at the World Conference of the UN Decade for Women, Equality, Development and Peace, Copenhagen, July, 1980. Division of Information, Nairobi, Kenya, UNEP, 1980.
77. O'Kelly, Elizabeth. Simple Technologies for Rural Women in Bangladesh. Women's Development Programme, UNICEF, Dacca, Bangladesh, 1977.
78. O'Kelly, Elizabeth. Water and Sanitation for All. Happy Healthy Homes Series, no. 4. Associated Country Women of the World, 50 Warwick Sq., London SW1V2AJ, England, 1982.
79. Pala, Achola. "Woman Power in Kenya: Raising Funds and Awareness." Ceres, vol. 11, no. 2, 1978, pp. 43-46. FAO, Rome.
80. Paqui, Hilda R. Women and the International Drinking Water Supply and Sanitation Decade: Note by the UNDP. UN International Research and Training Institute for the Advancement of Women, New York, January, 1982.
81. Piriya maskul, Ralana. Thai Hill Tribe Women's Role in Family Nutrition. Tribal Research Centre, Chiang Mai, Thailand, n.d. (Available at Transcendury).
82. The Rada Integrated Rural Development Project. A case study presented by the Netherlands to the OECD/DAC/Women in Development Correspondence Group Meeting in Paris, January 26-27, 1983. (Available at Transcendury).
84. Russell, Annemarie. Report on the Situation of Women in the Target Villages of the UNICEF Domestic Water Supply Project in Bahr el Ghazal Province, Sudan. Sudan Country Office, UNICEF, Khartoum, Sudan, October, 1979.
85. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." Implementing Programs of Human Development, July, 1980, pp. 311-372. World Bank Staff Working Paper no. 403. Edited by Peter T. Knight. World Bank, Washington, D.C.
87. Scott, Gloria L. Workshop on Women in Development: Project Design Issues. World Bank, Washington, D.C., 1981.
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, Transcendury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.

89. Selvik, A. "Naere Barn Giftes Mest." (Local Selection of Marriage Partners). Plan og Arbeid, no. 3/4, 1976, pp. 99-100. Arbeidsdirektoratet Postboks 8127, Oslo 1, Norway.
90. Shochet, Susan K. Malnutrition in Sri Lanka. Population, Health and Nutrition Department, World Bank, Washington, D.C., 1983.
91. Smale, Melinda. Women in Mauritania: The Effects of Drought and Migration on Their Economic Status and Implications for Development Programs. Office of Women in Development, AID, Washington, D.C., 1980.
92. Srijayaramachandra, K. "Social and Cultural Aspects of the Water Sector." Annex VII to A National Plan for Safe Drinking Water, vol. 2, July, 1979, pp. 98-103. University of Moratuwa, Dept. of Town and Country Planning, Moratuwa, Sri Lanka. (Available at WASH).
93. Svendsen, Dian Seslar, and Wijetilleke, Sujatha. Navamaga: Training Activities for Group Building, Health and Income Generation. Overseas Education Fund, Washington, D.C. 20037, 1983.
94. Tinker, Irene. Women and Energy: Program Implications. Office of Women in Development, AID, Washington, D.C., 1980.
95. Tripp, Robert B. "Time Allocation in Northern Ghana: An Example of the Random Visit Method." The Journal of Developing Areas, vol. 16, April, 1982, pp. 391-400. Western Illinois University, Macomb, Illinois 61455, 1982.
96. UN International Research and Training Institute for the Advancement of Women. Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
98. UNEP. Women, Environment and Water. Environmental brief no. 2/80. UNEP, Nairobi, Kenya, 1980.
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography, Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
101. Wellin, Edward. Socio-Cultural Impact of WS [and] S on Far Highland Communities in Peru. Excerpt from AID Evaluation 1982. AID, Washington, D.C., 1982.
102. Whiting, Martha, and Krystall, Abigail. The Impact of Rural Water Supply Projects on Women. Draft of report currently in progress. CARE, Mucai Rd., Nairobi, Kenya, 1977.

103. WHO. Progress Report of WHO Activities Concerning Women, Health and Development in 1981. Prepared for the Twenty-ninth Session of the UN Commission on the Status of Women, Vienna, Austria, February 22-March 3, 1982. WHO, Geneva.
104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.
105. World Bank. Case Study: Nicaragua Rural Sanitation Project. Notes on Women in Development Series no. 18. (Case studies). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.
106. World Bank. Integrating Women into Development. World Bank, Washington, D.C., August, 1975.
107. World Bank. Recognizing the "Invisible" Woman in Development: The World Bank's Experience. World Bank, October, Washington, D.C., 1979.
108. World Conference of the United Nations Decade for Women: Equality Development and Peace. Women in Rural Areas: Item 8 (b) of the Provisional Agenda for Copenhagen July 14-30, 1980 Conference. UN, New York.

SUBJECT INDEX

c. EDUCATION AND TRAINING

Key Documents

3. Adams, Francis McStay. Education and Training for the World's Poorest Women and Girls. Report prepared for the Office of Women and Development, AID. Equity Policy Center, Washington, D.C., 1980.

Adams reviews AID policies toward education and training of women in developing countries since assistance began in the early sixties. While noting that AID's stated approach is supportive of the educational goals of the UN Decade for Women, she is critical that many programs are not in fact accomplishing those aims. She examines ways of more effectively putting the policies into actual practice. Her statements on the absolute necessity of including women in designing skills training programs, non-formal education plans, and management instruction courses should prove relevant to water project developers interested in supporting the UN's stated goals for educating the world's poorest women.

45. Haile, Tsehaye. "Community Participation in Rural Water Supply Development." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 89-95. International Development Research Centre, Ottawa, Canada, 1981.

This article, a collection of presentations on training, describes Ethiopian acceptance of the role of community participation in training for rural water development projects. Haile analyzes women's particular positions in this growing trend. He stresses that participation opportunities for women, once negligible, are now accepted in economic, social, political, and technological spheres. Improvements are still necessary, however. The complete book, in which this article appears covers sociological, technological, and operational considerations as they apply to water supply training.

67. McSweeney, Brenda Gael, and Freedman, Marion. "Lack of Time as an Obstacle to Women's Education: The Case of Upper Volta." Comparative Education Review, June, 1980, pp. 124-138. University of Chicago Press, 11030 S. Langley Ave., Chicago, Illinois 60628.

McSweeney and Freedman describe results of an evaluative study of a project designed to increase women's time for educational activities in Upper Volta. Mechanical mills for grain, accessible water wells, and carts for water transportation were introduced in an effort to ease women's work loads and free them for literacy, health, and other training programs. The technologies did improve the quality of the services, and the introduction of better wells "encouraged the adoption of health-related advice" although the results indicated that free time was more frequently spent in further care of home and family than in attending classes. The report should be useful for people determining a society's prerequisite needs before undertaking an extensive educational program.

70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).

Chapters seven and eight in this guide make excellent initial reading for water project developers and trainers seeking to plan effective community participation programs. The involvement of local people in all project phases from assessment to maintenance is discussed as is the training of trainers. The authors cover several different strategies and suggest basic questions to ask during any analysis of training requirements. In addition to sections on various approaches, implementation, and continuing education, extensive source lists for more training information are provided.

93. Svendsen, Dian Seslar, and Wijetilleke, Sujatha. Navamaga: Training Activities for Group Building, Health and Income Generation. Overseas Education Fund, Washington, D.C. 20037, 1983.

Navamaga, which means "new path" in Sinhalese, is a handbook of more than sixty field-tested training activities to be used with women's or mixed groups at the village level. The following areas, plus many more, are covered: group building, decision making, cooperation, leadership, planning, nutrition, preventive health, income generation, and resource mobilization. The handbook is adaptable for many kinds of participants and situations including encouraging women to lead their families in sanitary water usage and waste disposal. Program developers may wish to use the activities described to obtain women's input when analyzing a village's water supply situation.

Additional Documents

1. Abdullah, Tahrunnessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Women in Development Series, vol. 4. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House Fairview Park, Elmsford, New York 10523, U.S.A., 1982.
2. Acharya, Meena, and Bennett, Lynn. Women and the Subsistence Sector: Economic Participation and Household Decisionmaking in Nepal. World Bank Staff Working Papers no. 526. World Bank, Washington, D.C. 1983.
4. Agarwal, Anil. Introducing New Technologies: Try Asking the Women First, vols. 1 and 2. Information Service on Science and Society-Related Issues Report no. 53. Centre for Science and Environment, 807 Vishal Bhawan, 95 Nehru Place, New Delhi 110019, India, 1982.
5. Aguwa, Margaret I., ed. Women, Health, and International Development: Proceedings of the Conference on Women, Health, and International Development, East Lansing, Michigan, October 22-23, 1982. Office of Women in International Development, 202 Center for International Programs, Michigan State University, East Lansing, Michigan 48824, 1983.
6. AID, Bureau for Program and Policy Coordination. Women in Development. AID Policy Paper. Bureau for Program and Policy Coordination, AID, Washington, D.C., October, 1982.
7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of Women in Development, AID, Washington, D.C., n.d.
8. Albihn, Mari; McPhee, Sarah; and Poluha, Eva. Integrating Women as a Means of Rural Development. A case study of the Swedish Chilalo Agricultural Development Unit. Swedish International Development Association, Stockholm, Sweden, 1982.
10. Asian and Pacific Centre for Women and Development. List of Publications. Asian and Pacific Centre for Women and Development, Kuala Lumpur, Malaysia, 1980.
12. Bisilliat, Jeanne. The Role of Women in the Onchocerciasis Programme Area. FAO, Rome, Italy, 1978.
13. Blair, Patricia W. "The Health Needs of the World's Poor Women." Proceedings of International Symposium on Women and Their Health, June 8-11, 1980. Equity Policy Center, Washington, D.C.

14. Blair, Patricia W. Programming for Women and Health. Report prepared for the Office of Women in Development, AID. Equity Policy Center, Washington, D.C., July, 1980.
15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.
17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).
19. Clark, Noreen. Education for Development and the Rural Women: A Review of Theory and Principles with Emphasis on Kenya and the Philippines, vol. 1. World Education, New York, 1979.
21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.
23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
24. Dulansey, Maryanne. Women in Development: Program Concerns in Francophone Sahel. Report of a Workshop, Bobo-Dioulasso, Upper Volta, July 5-7, 1979. Office of Women in Development, Washington, D.C., AID.
25. Dworkin, Daniel, and Pillsbury, Barbara K. The Potable Water Project in Rural Thailand. AID Project Impact Evaluation Report no. 3. AID, Washington, D.C., 1980.
26. Elliott, Veronica, and Sorsby, Victoria. An Investigation into Evaluations of Projects Designed to Benefit Women: Final Report. AID, Washington, D.C., 1979.
27. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar held at PAHO March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. AID, Washington, D.C., April, 1981.
28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.

29. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report no. 11. WASH, Arlington, Virginia, December, 1981.
30. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, vol. 3, no. 2, 1982, pp. 227-230. WHO, Geneva.
31. Elmendorf, Mary, and Isely, Raymond B. Water and Sanitation-Related Health Constraints on Women's Contributions to the Economic Development Communities. WASH Technical Report no. 17. Prepared for the Office of Health, Bureau for Science and Technology, AID. WASH, Arlington, Virginia, October, 1982.
32. Elmendorf, Mary. "Woman - The Underused Human Resource." Educacion Medica y Salud, vol. 16, no. 4, 1982, pp. 463-481. PAHO, Washington, D.C..
33. Elmendorf, Mary. Women and the Decade: Roles, Rights and Responsibilities. WHO, Geneva, 1982.
34. Elmendorf, Mary. Women, Water and Waste: Beyond Access. WASH, Arlington, Virginia, 1981.
36. Equity Policy Center. International Symposium on Women and Their Health - Interim Report. Port Deposit, Maryland, June 8-11, 1980. Equity Policy Center, Washington, D.C.
37. Fagley, R. "Easing the Burden of Women." Assignment Children, vol. 36, 1976, pp. 9-28. UNICEF, Geneva.
33. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandanavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.
40. Gachukia, Eddah. "Women's Self-Help Efforts for Water Supply in Kenya." Assignment Children, vol. 45, no. 46, 1972, pp. 167-174. UNICEF, Geneva.
42. Germain, A. "Poor Rural Women: A Policy Perspective." Journal of International Affairs, vol. 30, no. 2, 1977, pp. 151-172. Columbia University, School of International Affairs, 420 W. 118th St. New York 10027.
43. Getechah, W. "The Role of Women in Rural Water Development in Kenya." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 85-88. International Development Research Center, Ottawa, Canada, 1981.

44. Green, Edward. A Knowledge, Attitudes, and Practices Survey of Water and Sanitation in Swaziland. Academy for Educational Development, Inc., Washington, D.C., 1982.
47. Hannan-Andersson, Carolyn. Women, Water and Development in a Pare Settlement, Tanzania. Research Report no. 52. Bureau of Resource Assessment and Land Use Planning, University of Dar es Salaam, P.O. Box 35097, Dar es Salaam, Tanzania, 1982.
51. International Drinking Water Supply and Sanitation Decade Steering Committee. Women as Innovators in Drinking Water and Sanitation Projects. UNDP, New York, April, 1982.
52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.
54. Isely, Raymond B. "Focusing Sanitation Programs on Mothers and Older Siblings of Small Children." Tropical Doctor, vol. 14, in press. The Royal Society of Medicine, 1 Wimpole Street, London W1M8AE, England.
56. Iwaski, Shumsuke. "A Working Memorandum on Issues Relating to Women with Reference to Housing, Transport and Human Settlements." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlement. Report of Workshops in Bangkok, Thailand, June, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
57. Jorgensen, Kirsten. African Rural Water Supply: Where Have All the Women Gone? Paper presented at "Another Development With Women Seminar" by the African Women's Association for Research and Development and the Dag Hammarskjold Foundation. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
60. Jorgensen, Kirsten. Some Social and Cultural Aspects of Rural Water Supply. Paper presented at the World Bank/UNDP Handpumps Project Advisory Panel Meeting in Braintree, England, October 11-12, 1981. World Bank, Washington, D.C.
64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
66. Mathur, G.C. "Development of Women - Key Issues Relating to Housing, Community Facilities and Public Utilities." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Center for Women and Development, Kuala Lumpur, Malaysia.

68. Menon, Bhargavi. "Developmental Dimensions Relating to Women and Housing." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
69. Midence, Martita. "Women and Development: An Annotated Resource Guide." Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-89. Edited by Carann G. Turner. APLIC, P.O. Box 6701, Washington, D.C. 20020, March, 1982.
71. Mujeni, A. "Les Voix du Village." Environnement Africain, vol. 1, no. 3, 1975, pp. 85-98. Based on report prepared for YWCA, Geneva. (Available at UNDP).
73. Nieves, Isabel. "Beyond Survival Skills: Providing Basic Services to Satisfy the Needs of Poor Women." Priorities in the Design of Development Programs: Women's Issues, October, 1980, pp. 97-120. International Center for Research on Women, Washington, D.C. 20036.
76. Obeng, Letitia E. Women the Water Carriers and Water-Related Diseases. Presented at the World Conference of the UN Decade for Women, Equality, Development and Peace, Copenhagen, July, 1980. Division of Information, Nairobi, Kenya, UNEP, 1980.
79. Pala, Achola. "Woman Power in Kenya: Raising Funds and Awareness." Ceres, vol. 11, no. 2, 1978, pp. 43-46. FAO, Rome.
80. Paqui, Hilda R. Women and the International Drinking Water Supply and Sanitation Decade: Note by the UNDP. UN International Research and Training Institute for the Advancement of Women, New York, January, 1982.
82. The Rada Integrated Rural Development Project. A case study presented by the Netherlands to the OECD/DAC/Women in Development Correspondence Group Meeting in Paris, January 26-27, 1983. (Available at Transcentury).
83. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Office of Women in Development, AID, Washington, D.C., September, 1980.
84. Russell, Annemarie. Report on the Situation of Women in the Target Villages of the UNICEF Domestic Water Supply Project in Bahr el Ghazal Province, Sudan. Sudan Country Office, UNICEF, Khartoum, Sudan, October, 1979.

85. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." Implementing Programs of Human Development, July, 1980, pp. 311-372. World Bank Staff Working Paper no. 403. Edited by Peter T. Knight. World Bank, Washington, D.C.
87. Scott, Gloria L. Workshop on Women in Development: Project Design Issues. World Bank, Washington, D.C., 1981.
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, TransCentury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.
94. Tinker, Irene. Women and Energy: Program Implications. Office of Women in Development, AID, Washington, D.C., 1980.
96. UN International Research and Training Institute for the Advancement of Women. Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
98. UNEP. Women, Environment and Water. Environmental brief no. 2/80. UNEP, Nairobi, Kenya, 1980.
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography, Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
100. "Water Projects 'need women's support.'" World Water, no. 9, 1982, p. 4. Institution of Civil Engineers, 1-7 Great George St., London SW1P3AA, England.
101. Wellin, Edward. Socio-Cultural Impact of WS [and] S on Far Highland Communities in Peru. Excerpt from AID Evaluation 1982. AID, Washington, D.C., 1982.
103. WHO. Progress Report of WHO Activities Concerning Women, Health and Development in 1981. Prepared for the Twenty-ninth Session of the UN Commission on the Status of Women, Vienna, Austria, February 22-March 3, 1982. WHO, Geneva.
104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.
106. World Bank. Integrating Women into Development. World Bank, Washington, D.C., August, 1975.

107. World Bank. Recognizing the "Invisible" Woman in Development: The World Bank's Experience. World Bank, October, Washington, D.C., 1979.
108. World Conference of the United Nations Decade for Women: Equality Development and Peace. Women in Rural Areas: Item 8 (b) of the Provisional Agenda for Copenhagen July 14-30, 1980 Conference. UN, New York.

SUBJECT INDEX

d. HEALTH

Key Documents

5. Aguwa, Margaret I., ed. Women, Health, and International Development: Proceedings of the Conference on Women, Health, and International Development, East Lansing, Michigan, October 22-23, 1982. Office of Women in International Development, 202 Center for International Programs, Michigan State University, East Lansing, Michigan 48824, 1983.

The papers in this book cover broad health issues of primary concern to women in developing countries. R. Isely's and M. Elmendorf's piece on "Water and Sanitation-related Health Constraints on Women's Contribution to the Economic Development of Communities" specifically addresses the health consequences of women's overall roles and suggests processes for making improvements. They conclude that improvements are not a luxury for the poor and women but a major pre-condition for economic development. Other papers in this compilation further demonstrate the relationship between female health and society's qualitative growth.

29. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report no. 11. WASH, Arlington, Virginia, December, 1981.

This report stresses the use of women as acceptors, users, managers, and trainers for the introduction of innovative water supply and sanitation technologies. Emphasis is placed on women's extensive influence on family and community health via water supply and its usage. Elmendorf and Isely have thoroughly reviewed both the published and unpublished literature in preparation of this report. Program planners and primary health care workers should find specific strategies offered for involving women in the above-mentioned roles useful and effective.

38. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandinavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.

Falkenmark's digest of the professional presentations made by speakers at the 1980 UN Interregional Seminar on Rural Water Supply will benefit those interested in the overall policy direction of the International Drinking Water Supply and Sanitation Decade. Part II of the paper covers the epidemiology of water-related diseases and the concern for creating community awareness of these health hazards. The crucial role of women in this process is continually emphasized, and the Decade's commitment to easing women's traditional water-related burdens is reiterated. A list of reports, speeches, and papers used in preparation of this summary appears at the end of the document.

70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).

This book, the overall guide for the "Water for the World" series, is focused on improving community water and health standards by providing technical assistance to program planners. Part I discusses health problems related to the water supply and waste disposal systems in developing nations. Various diseases, methods of contamination, and application of water quality standards are covered in the first section. Subsequent chapters are devoted to technological solutions, training approaches, and the role of community participation in developing and maintaining systems. The editors drew on extensive resources in preparation of this comprehensive manual. Additional references are provided at the end of each chapter.

75. Obeng, Letitia E. Women and Water-Related Disease. Paper presented at the International Symposium on Women and Their Health, Washington, D.C., June 8-11, 1980. Equity Policy Center, Washington, D.C.

This short UNEP pamphlet succinctly outlines the wide variety of diseases transmitted by water or fecal contact. In addition, it stringently points out the close relationship women have to a community's health standards due to their constant and traditional contact with the water supply. Obeng touches on several areas of UNEP's commitment to improving the global problem.

\* \* \*

Additional Documents

1. Abdullah, Tahrunnessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Women in Development Series, vol. 4. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House Fairview Park, Elmsford, New York 10523, U.S.A., 1982.
4. Agarwal, Anil. Introducing New Technologies: Try Asking the Women First, vols. 1 and 2. Information Service on Science and Society-Related Issues Report no. 53. Centre for Science and Environment, 807 Vishal Bhawan, 95 Nehru Place, New Delhi 110019, India, 1982.
6. AID, Bureau for Program and Policy Coordination. Women in Development. AID Policy Paper. Bureau for Program and Policy Coordination, AID, Washington, D.C., October, 1982.
7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of Women in Development, AID, Washington, D.C., n.d.
9. Ansell, Christine. The Benefit of Rural Water Projects: An Impact Survey of Five Villages. New TransCentury Foundation, Box 377, Sanaa, Yemen Arab Republic, October, 1981.
11. Badran, Margot. "Contamination in Practice." Health Needs of the World's Poor Women, pp. 98-101. Edited by Patricia Blair. Equity Policy Center, Washington, D.C., 1981.
12. Bisilliat, Jeanne. The Role of Women in the Onchocerciasis Programme Area. FAO, Rome, Italy, 1978.
13. Blair, Patricia W. "The Health Needs of the World's Poor Women." Proceedings of International Symposium on Women and Their Health, June 8-11, 1980. Equity Policy Center, Washington, D.C.
14. Blair, Patricia W. Programming for Women and Health. Report prepared for the Office of Women in Development, AID. Equity Policy Center, Washington, D.C., July, 1980.
15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.
16. Carr, Marilyn. Women and Technology in Rurally Oriented Projects. Notes on Women in Development, no. 13 (sectoral overviews). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.

17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).
20. Cloud, Kathleen. Women and Water Management: Understandings Gained from My Asia Trip. Report to Principals in the CID Water Management Synthesis II Project. Consortium for International Development, Drawer A, Logan, Utah 84322, 1982.
21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.
23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
25. Dworkin, Daniel, and Pillsbury, Barbara K. The Potable Water Project in Rural Thailand. AID Project Impact Evaluation Report no. 3. AID, Washington, D.C., 1980.
26. Elliott, Veronica, and Sorsby, Victoria. An Investigation into Evaluations of Projects Designed to Benefit Women: Final Report. AID, Washington, D.C., 1979.
27. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar held at PAHO March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. AID, Washington, D.C., April, 1981.
28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.
30. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, vol. 3, no. 2, 1982, pp. 227-230. WHO, Geneva.
31. Elmendorf, Mary, and Isely, Raymond B. Water and Sanitation-Related Health Constraints on Women's Contributions to the Economic Development Communities. WASH Technical Report no. 17. Prepared for the Office of Health, Bureau for Science and Technology, AID. WASH, Arlington, Virginia, October, 1982.
32. Elmendorf, Mary. "Woman - The Underused Human Resource." Educacion Medica y Salud, vol. 16, no. 4, 1982, pp. 463-481. PAHO, Washington, D.C..

33. Elmendorf, Mary. Women and the Decade: Roles, Rights and Responsibilities. WHO, Geneva, 1982.
34. Elmendorf, Mary. Women, Water and Waste: Beyond Access. WASH, Arlington, Virginia, 1981.
35. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Women in Development Series, vol. 3. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House, Fairview Park, Elmsford, New York 10523 U.S.A., 1981.
36. Equity Policy Center. International Symposium on Women and Their Health - Interim Report. Port Deposit, Maryland, June 8-11, 1980. Equity Policy Center, Washington, D.C.
37. Fagley, R. "Easing the Burden of Women." Assignment Children, vol. 36, 1976, pp. 9-28. UNICEF, Geneva.
40. Gachukia, Eddah. "Women's Self-Help Efforts for Water Supply in Kenya." Assignment Children, vol. 45, no. 46, 1972, pp. 167-174. UNICEF, Geneva.
42. Germain, A. "Poor Rural Women: A Policy Perspective." Journal of International Affairs, vol. 30, no. 2, 1977, pp. 151-172. Columbia University, School of International Affairs, 420 W. 118th St. New York 10027.
44. Green, Edward. A Knowledge, Attitudes, and Practices Survey of Water and Sanitation in Swaziland. Academy for Educational Development, Inc., Washington, D.C., 1982.
47. Hannan-Andersson, Carolyn. Women, Water and Development in a Pare Settlement, Tanzania. Research Report no. 52. Bureau of Resource Assessment and Land Use Planning, University of Dar es Salaam, P.O. Box 35097, Dar es Salaam, Tanzania, 1982.
48. Haratani, Joseph; Viveros-Long, Ana Maria; and de Gonzales, Ana Maria Becerra Marzano. Peru: CARE OPG Water Health Services Project. AID Project Impact Evaluation Report no. 24. AID, Washington, D.C., October, 1981.
51. International Drinking Water Supply and Sanitation Decade Steering Committee. Women as Innovators in Drinking Water and Sanitation Projects. UNDP, New York, April, 1982.
52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.

53. Isely, Raymond B. "Assainissement des Sources d'Eau par des Moyens Locaux: Une Contribution a la Recherche d'une Technologie Appropriée." Annales de la Societe Belge de la Medecine Tropicale, vol. 58, 1978, pp. 149-156. Societe Belge de Medecine Tropicale, 21 Rue de la Limite, Brussels 1030, Belgium.
54. Isely, Raymond B. "Focusing Sanitation Programs on Mothers and Older Siblings of Small Children." Tropical Doctor, vol. 14, in press. The Royal Society of Medicine, 1 Wimpole Street, London W1M8AE, England.
55. Isely, Raymond B. "The Relationship of Accessible Safe Water and Adequate Sanitation to Maternal and Child Health." Water Supply and Management, vol. 5, no. 6, 1981, pp. 417-424. Water Supply and Management, 3 Valley View Road, Ottawa, Ontario K2H5Y6, Canada.
56. Iwaski, Shumsuke. "A Working Memorandum on Issues Relating to Women with Reference to Housing, Transport and Human Settlements." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlement. Report of Workshops in Bangkok, Thailand, June, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
57. Jorgensen, Kirsten. African Rural Water Supply: Where Have All the Women Gone? Paper presented at "Another Development With Women Seminar" by the African Women's Association for Research and Development and the Dag Hammarskjold Foundation. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
58. Jorgensen, Kirsten. The Importance of Drinking Water Projects to Women. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
59. Jorgensen, Kirsten. "Rural Water Supply - The Woman's Role." African Water and Sewage, November, 1982. Failing Supply Ltd., Bank House, Sutton Court Road, Sutton Surrey, England.
61. Jorgensen, Kirsten. Water Supply Problems in Rural Africa: The Implications for Women. Paper presented at Interregional Seminar on Rural Water Supply - A Contribution to the Preparation of the Water Decade, Uppsala, Sweden, October 5-16, 1980. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK-1472, Denmark.
62. Jorgensen, Kirsten. Water Supply Problems in Rural Areas of Africa, General Aspects. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK1472, Denmark, 1980.
63. Kamal, Sultana, and Maspero, Marina. "Working with the Women of Sylhet." Dialogue, Summer/Fall 1978, pp. 3-5. International Voluntary Services, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.

64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
65. Liebenon, J. Gus. Malawi Clean Water for the Rural Poor. AUFS Field Staff Report no. 40. American Universities Field Staff, 3 Lebanon St., Hanover, New Hampshire 03755.
66. Mathur, G.C. "Development of Women - Key Issues Relating to Housing, Community Facilities and Public Utilities." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Center for Women and Development, Kuala Lumpur, Malaysia.
67. McSweeney, Brenda Gael, and Freedman, Marion. "Lack of Time as an Obstacle to Women's Education: The Case of Upper Volta." Comparative Education Review, June, 1980, pp. 124-138. University of Chicago Press, 1103C S. Langley Ave., Chicago, Illinois 60628.
68. Menon, Bhargavi. "Developmental Dimensions Relating to Women and Housing." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
69. Midence, Martita. "Women and Development: An Annotated Resource Guide." Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-89. Edited by Carann G. Turner. APLIC, P.O. Box 6701, Washington, D.C. 20020, March, 1982.
71. Mujeni, A. "Les Voix du Village." Environnement Africain, vol. 1, no. 3, 1975, pp. 85-98. Based on report prepared for YWCA, Geneva. (Available at UNDP).
73. Nieves, Isabel. "Beyond Survival Skills: Providing Basic Services to Satisfy the Needs of Poor Women." Priorities in the Design of Development Programs: Women's Issues, October, 1980, pp. 97-120. International Center for Research on Women, Washington, D.C. 20035.
74. Obeng, Letitia E. "One Vote for Water on Tap." Health Needs of the World's Poor Women, pp. 96-97. Edited by Patricia W. Blair. Equity Policy Center, Washington, D.C., 1981.
76. Obeng, Letitia E. Women the Water Carriers and Water-Related Diseases. Presented at the World Conference of the UN Decade for Women, Equality, Development and Peace, Copenhagen, July, 1980. Division of Information, Nairobi, Kenya, UNEP, 1980.

80. Paqui, Hilda R. Women and the International Drinking Water Supply and Sanitation Decade: Note by the UNDP. UN International Research and Training Institute for the Advancement of Women, New York, January, 1982.
81. Piriymaskul, Ralana. Thai Hill Tribe Women's Role in Family Nutrition. Tribal Research Centre, Chiang Mai, Thailand, n.d. (Available at TransCentury).
82. The Rada Integrated Rural Development Project. A case study presented by the Netherlands to the OECD/DAC/Women in Development Correspondence Group Meeting in Paris, January 26-27, 1983. (Available at TransCentury).
83. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Office of Women in Development, AID, Washington, D.C., September, 1980.
84. Russell, Annemarie. Report on the Situation of Women in the Target Villages of the UNICEF Domestic Water Supply Project in Bahr el Ghazal Province, Sudan. Sudan Country Office, UNICEF, Khartoum, Sudan, October, 1979.
85. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." Implementing Programs of Human Development, July, 1980, pp. 311-372. World Bank Staff Working Paper no. 403. Edited by Peter T. Knight. World Bank, Washington, D.C.
86. Schoeffel, Penelope. Dilemmas of Modernization in Primary Health in Western Samoa. Presented at the American Anthropological Society Meeting, Washington, D.C., December 4-7, 1982. American Anthropological Association, 1703 New Hampshire Ave. N.W., Washington, D.C. 20009.
87. Scott, Gloria L. Workshop on Women in Development: Project Design Issues. World Bank, Washington, D.C., 1981.
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, TransCentury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.
90. Shochet, Susan K. Malnutrition in Sri Lanka. Population, Health and Nutrition Department, World Bank, Washington, D.C., 1983.
91. Smale, Melinda. Women in Mauritania: The Effects of Drought and Migration on Their Economic Status and Implications for Development Programs. Office of Women in Development, AID, Washington, D.C., 1980.

92. Srijayaramachandra, K. "Social and Cultural Aspects of the Water Sector." Annex VII to A National Plan for Safe Drinking Water, vol. 2, July, 1979, pp. 98-103. University of Moratuwa, Dept. of Town and Country Planning, Moratuwa, Sri Lanka. (Available at WASH).
93. Svendsen, Dian Seslar, and Wijetilleke, Sujatha. Navamaga: Training Activities for Group Building, Health and Income Generation. Overseas Education Fund, Washington, D.C. 20037, 1983.
94. Tinker, Irene. Women and Energy: Program Implications. Office of Women in Development, AID, Washington, D.C., 1980.
96. UN International Research and Training Institute for the Advancement of Women. Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
98. UNEP. Women, Environment and Water. Environmental brief no. 2/80. UNEP, Nairobi, Kenya, 1980.
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography, Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
100. "Water Projects 'need women's support.'" World Water, no. 9, 1982, p. 4. Institution of Civil Engineers, 1-7 Great George St., London SW1P3AA, England.
101. Wellin, Edward. Socio-Cultural Impact of WS [and] S on Far Highland Communities in Peru. Excerpt from AID Evaluation 1982. AID, Washington, D.C., 1982.
103. WHO. Progress Report of WHO Activities Concerning Women, Health and Development in 1981. Prepared for the Twenty-ninth Session of the UN Commission on the Status of Women, Vienna, Austria, February 22-March 3, 1982. WHO, Geneva.
104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.
105. World Bank. Case Study: Nicaragua Rural Sanitation Project. Notes on Women in Development Series no. 18. (Case studies). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.

106. World Bank. Integrating Women into Development. World Bank, Washington, D.C., August, 1975.
107. World Bank. Recognizing the "Invisible" Woman in Development: The World Bank's Experience. World Bank, October, Washington, D.C., 1979.
108. World Conference of the United Nations Decade for Women: Equality Development and Peace. Women in Rural Areas: Item 8 (b) of the Provisional Agenda for Copenhagen July 14-30, 1980 Conference. UN, New York.

SUBJECT INDEX

e. SOCIOCULTURAL ASPECTS

Key Documents

15. Buckles, Patricia, and Elmendorf, Mary. "Sociocultural Aspects of Water Supply and Excreta Disposal." Appropriate Technology for Water Supply and Sanitation. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1980.

Social and cultural factors influencing people's responses to water supply and excreta disposal technologies are investigated in seven case studies in Latin American communities. The authors are primarily concerned with the implications of their findings and suggestions for integrating social and cultural elements into project designs which will be accepted, properly applied, and continuously used. They offer social science techniques which planners can use to encourage active involvement by communities in all phases of a water supply and waste disposal program. Buckles and Elmendorf give special consideration to women's relationships to the planning and implementation stages.

44. Green, Edward. A Knowledge, Attitudes, and Practices Survey of Water and Sanitation in Swaziland. Academy for Educational Development, Inc., Washington, D.C., 1982.

Green has prepared materials from a thorough empirical study by the Rural Water-Borne Disease Control Project which relates Swazi social and cultural elements to water and sanitation practices. The study's three-fold purpose was to 1) provide baseline data for the design of a national health education strategy for reducing incidents of water-borne diseases, 2) provide guidance for the project's health engineers, and 3) contribute data for future evaluations or research. This document reports the methodology, results, analysis, and recommendations of the study in depth and may serve as a guide for continuing studies in the water and sanitation field.

60. Jorgensen, Kirsten. Some Social and Cultural Aspects of Rural Water Supply. Paper presented at the World Bank/UNDP Handpumps Project Advisory Panel Meeting in Braintree, England, October 11-12, 1981. World Bank, Washington, D.C.

This paper studies social and cultural aspects of the supply and use of water for domestic consumption with the purpose of creating an awareness among water project planners that these factors play critical roles in a project's success. Jorgensen deals with traditional and current cultural attitudes towards water, the participation problem, the implications of technology on the social and cultural organization of rural populations, and some benefits and disadvantages of improved water supplies. She draws on her observations in Africa in making her remarks.

72. Newland, Kathleen. Women, Men and the Division of Labor. Worldwatch Paper 37. Worldwatch Institute, 1776 Massachusetts Ave. N.W., Washington, D.C. 20036, 1980.

This booklet gives a broad socio-cultural overview of the allocation of tasks, domestic and otherwise, among men and women in both developed and developing nations. In relation to water carrying, Newland illustrates that this chore falls primarily to women with examples from several countries. She discusses the effect this has on women's energy for other activities such as income generation and family care.

92. Srijayaramachandra, K. "Social and Cultural Aspects of the Water Sector." Annex VII to A National Plan for Safe Drinking Water, vol. 2, July, 1979, pp. 98-103. University of Moratuwa, Dept. of Town and Country Planning, Moratuwa, Sri Lanka. (Available at WASH).

Annex VII to A National Plan for Safe Drinking Water is a discussion of possible social and cultural constraints which could reduce the effectiveness of a water supply and health improvement program in Sri Lanka. The author considers the history of his country's beliefs about water, and he describes the women's relationship to water usage in Sri Lanka with emphasis on educating them about safe practices. This short section may provide planners with an example of sociocultural concerns which are specific to one Asian country.

\* \* \*

#### Additional Documents

1. Abdullah, Tahrunnessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Women in Development Series, vol. 4. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House Fairview Park, Elmsford, New York 10523, U.S.A., 1982.
2. Acharya, Meena, and Bennett, Lynn. Women and the Subsistence Sector: Economic Participation and Household Decisionmaking in Nepal. World Bank Staff Working Papers no. 526. World Bank, Washington, D.C. 1983.
4. Agarwal, Anil. Introducing New Technologies: Try Asking the Women First, vols. 1 and 2. Information Service on Science and Society-Related Issues Report no. 53. Centre for Science and Environment, 807 Vishal Bhawan, 95 Nehru Place, New Delhi 110019, India, 1982.

7. AID, Office of Women in Development. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development. Office of women in Development, AID, Washington, D.C., n.d.
9. Ansell, Christine. The Benefit of Rural Water Projects: An Impact Survey of Five Villages. New TransCentury Foundation, Box 377, Sanaa, Yemen Arab Republic, October, 1981.
10. Asian and Pacific Centre for Women and Development. List of Publications. Asian and Pacific Centre for Women and Development, Kuala Lumpur, Malaysia, 1980.
11. Badran, Margot. "Contamination in Practice." Health Needs of the World's Poor Women, pp. 98-101. Edited by Patricia Blair. Equity Policy Center, Washington, D.C., 1981.
12. Bisilliat, Jeanne. The Role of Women in the Onchocerciasis Programme Area. FAO, Rome, Italy, 1978.
13. Blair, Patricia W. "The Health Needs of the World's Poor Women." Proceedings of International Symposium on Women and Their Health, June 8-11, 1980. Equity Policy Center, Washington, D.C.
16. Carr, Marilyn. Women and Technology in Rurally Oriented Projects. Notes on Women in Development, no. 13 (sectoral overviews). D<sup>o</sup>Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.
17. Chambers, R., and Morris, J. Mwea: An Irrigated Rice Settlement in Kenya. Institut fur Wirtschaftsforschung, Munich, Germany, 1973. (Available at International Center for Research on Women).
18. Clark, Barbara A.. "The Work Done by Rural Women in Malawi." Eastern African Journal of Rural Development, vol. 8, nos. 1 and 2, 1975, pp. 80-91. Dept. of Rural Economy and Extension, Makerere University, Kampala, Uganda, Box 7062.
20. Cloud, Kathleen. Women and Water Management: Understandings Gained from My Asia Trip. Report to Principals in the CID Water Management Synthesis II Project. Consortium for International Development, Drawer A, Logan, Utah 84322, 1982.
21. Dauber, Roslyn, and Cain, Melinda L., eds. Women and Technological Change in Developing Countries. Westview Press, 5500 Central Ave., Boulder, Colorado 80301, 1981.
22. Dey, Jennie. "Gambian Women: Unequal Partners in Rice Development Projects?" Journal of Development Studies, vol. 17, no. 3, 1981, pp. 109-122. Frank Cass & Co., Ltd., 11 Gainsborough Road, London E11RS, England.

23. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. AID Program Evaluation Discussion Paper no. 8. Bureau for Program and Policy Coordination, AID, Washington, D.C., May, 1980.
27. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar held at PAHO March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. AID, Washington, D.C., April, 1981.
28. Elmendorf, Mary, and Isely, Raymond B. "Public and Private Roles of Women in Water Supply and Sanitation Programs." Human Organization: Journal of the Society for Applied Anthropology, vol. 42, no. 23, Fall 1983, pp. 195-204. Society for Applied Anthropology, c/o William Bergman Associates, 1001 Connecticut Ave. N.W., Washington, D.C. 20036.
29. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report no. 11. WASH, Arlington, Virginia, December, 1981.
30. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, vol. 3, no. 2, 1982, pp. 227-230. WHO, Geneva.
31. Elmendorf, Mary, and Isely, Raymond B. Water and Sanitation-Related Health Constraints on Women's Contributions to the Economic Development Communities. WASH Technical Report no. 17. Prepared for the Office of Health, Bureau for Science and Technology, AID. WASH, Arlington, Virginia, October, 1982.
32. Elmendorf, Mary. "Woman - The Underused Human Resource." Educacion Medica y Salud, vol. 16, no. 4, 1982, pp. 463-481. PAHO, Washington, D.C..
33. Elmendorf, Mary. Women and the Decade: Roles, Rights and Responsibilities. WHO, Geneva, 1982.
34. Elmendorf, Mary. Women, Water and Waste: Beyond Access. WASH, Arlington, Virginia, 1981.
35. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Women in Development Series, vol. 3. Pergamon Press, Ltd., Headington Hill Hall, Oxford OX30BW, England or Maxwell House, Fairview Park, Elmsford, New York 10523 U.S.A., 1981.
36. Equity Policy Center. International Symposium on Women and Their Health - Interim Report. Port Deposit, Maryland, June 8-11, 1980. Equity Policy Center, Washington, D.C.

37. Fagley, R. "Easing the Burden of Women." Assignment Children, vol. 36, 1976, pp. 9-28. UNICEF, Geneva.
38. Falkenmark, Malin, ed. Rural Water Supply and Health: The Need for a New Strategy. Summary of papers and discussions from the United Nations Interregional Seminar on Rural Water Supply, Uppsala, Sweden, October 6-17, 1980. Scandanavian Institute of African Studies, Box 2126, Uppsala, Sweden 75002, 1982.
39. Folbre, Nancy. Household Production in the Philippines: A Non-Neoclassical Approach. Dept. of Economics, Bowdoin College, Brunswick, Maine 04011, 1980.
42. Germain, A. "Poor Rural Women: A Policy Perspective." Journal of International Affairs, vol. 30, no. 2, 1977, pp. 151-172. Columbia University, School of International Affairs, 420 W. 118th St. New York 10027.
45. Haile, Tsehaye. "Community Participation in Rural Water Supply Development." Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, August 5-12, 1980, pp. 89-95. International Development Research Centre, Ottawa, Canada, 1981.
46. Hanger, Jane, and Moris, Jon. "Women and the Household Economy." Mwea: An Irrigated Rice Settlement in Kenya. Edited by Robert Chambers and Jon Moris. Weltedrum Verlag, Munich, Germany, 1973. (Available at International Center for Research on Women).
47. Hannan-Andersson, Carolyn. Women, Water and Development in a Pare Settlement, Tanzania. Research Report no. 52. Bureau of Resource Assessment and Land Use Planning, University of Dar es Salaam, P.O. Box 35097, Dar es Salaam, Tanzania, 1982.
49. Harkness, Rose Mae. The Socio-Economic Impact of Water Supply and Sanitation Projects in the Upper Regions of Ghana on the Lives of Women. M.A. Thesis. Carlton University, Ottawa, Ontario K1S5B6, Canada, 1983.
50. International Center for Research on Women. Employment and Income Generation for Rural Women: A Report to USAID Thailand. Prepared for Office of Rural and Administrative Development, Bureau of Science and Technology, AID. International Center for Research on Women, Washington, D.C., 1981.
51. International Drinking Water Supply and Sanitation Decade Steering Committee. Women as Innovators in Drinking Water and Sanitation Projects. UNDP, New York, April, 1982.
52. International Women's Tribune Centre, Inc. The Tribune. Women and Water. Newsletter 10. International Women's Tribune Centre, 305 East 46th St., New York 10017, 1982.

56. Iwaski, Shumsuke. "A Working Memorandum on Issues Relating to Women with Reference to Housing, Transport and Human Settlements." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlement. Report of Workshops in Bangkok, Thailand, June, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
58. Jorgensen, Kirsten. The Importance of Drinking Water Projects to Women. Centre for Development Research, 9, Ny Kongensgade, Copenhagen DK-1472, Denmark, 1979.
59. Jorgensen, Kirsten. "Rural Water Supply - The Woman's Role." African Water and Sewage, November, 1982. Failing Supply Ltd., Bank House, Sutton Court Road, Sutton Surrey, England.
61. Jorgensen, Kirsten. Water Supply Problems in Rural Africa: The Implications for Women. Paper presented at Interregional Seminar on Rural Water Supply - A Contribution to the Preparation of the Water Decade, Uppsala, Sweden, October 5-16, 1980. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK-1472, Denmark.
62. Jorgensen, Kirsten. Water Supply Problems in Rural Areas of Africa, General Aspects. Centre for Development Research, 9 Ny Kongensgade, Copenhagen DK1472, Denmark, 1980.
63. Kamal, Sultana, and Maspero, Marina. "Working with the Women of Sylhet." Dialogue, Summer/Fall 1978, pp. 3-5. International Voluntary Services, 1717 Massachusetts Ave. N.W., Washington, D.C. 20036.
64. LeQuelle, Yvette, and Rageau, Agnes. La Femme, Africaine et Malgache: Elements Bibliographiques. Minister Delegate for Cooperation and Development, Ministry of Foreign Relations, (formerly Ministry of Cooperation), 37 Quai d'Orsay, Paris 75700, France, 1975.
67. McSweeney, Brenda Gael, and Freedman, Marion. "Lack of Time as an Obstacle to Women's Education: The Case of Upper Volta." Comparative Education Review, June, 1980, pp. 124-138. University of Chicago Press, 11030 S. Langley Ave., Chicago, Illinois 60628.
68. Menon, Bhargavi. "Developmental Dimensions Relating to Women and Housing." Environmental Issues Affecting Women with Particular Reference to Housing and Human Settlements. Report of workshops in Bangkok, Thailand, 1980. Asian and Pacific Development Centre, Kuala Lumpur, Malaysia.
69. Midence, Martita. "Women and Development: An Annotated Resource Guide." Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-89. Edited by Carann G. Turner. APLIC, P.O. Box 6701, Washington, D.C. 20020, March, 1982.

70. Morgan, Mary, ed. Safe Water and Waste Disposal for Rural Health: A Program Guide. Water for the World Series. Prepared for AID. National Demonstration Water Project, 1725 DeSales St. N.W., Washington, D.C. 20036, 1982. (Available at WASH).
71. Mujeni, A. "Les Voix du Village." Environnement Africain, vol. 1, no. 3, 1975, pp. 85-98. Based on report prepared for YWCA, Geneva. (Available at UNDP).
74. Obeng, Letitia E. "One Vote for Water on Tap." Health Needs of the World's Poor Women, pp. 96-97. Edited by Patricia W. Blair. Equity Policy Center, Washington, D.C., 1981.
79. Pala, Achola. "Woman Power in Kenya: Raising Funds and Awareness." Ceres, vol. 11, no. 2, 1978, pp. 43-46. Rome: FAO.
81. Piriymaskul, Ralana. Thai Hill Tribe Women's Role in Family Nutrition. Tribal Research Centre, Chiang Mai, Thailand, n.d. (Available at TransCentury).
82. The Rada Integrated Rural Development Project. A case study presented by the Netherlands to the OECD/DAC/Women in Development Correspondence Group Meeting in Paris, January 26-27, 1983. (Available at TransCentury).
83. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Office of Women in Development, AID, Washington, D.C., September, 1980.
85. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." Implementing Programs of Human Development, July, 1980, pp. 311-372. World Bank Staff Working Paper no. 403. Edited by Peter T. Knight. World Bank, Washington, D.C.
86. Schoeffel, Penelope. Dilemmas of Modernization in Primary Health in Western Samoa. Presented at the American Anthropological Society Meeting, Washington, D.C., December 4-7, 1982. American Anthropological Association, 1703 New Hampshire Ave. N.W., Washington, D.C. 20009.
87. Scott, Gloria L. Workshop on Women in Development: Project Design Issues. World Bank, Washington, D.C., 1981.
88. Secretariat for Women in Development. Women in Development: A Resource List. Secretariat for Women in Development, TransCentury, 1789 Columbia Road N.W., Washington, D.C. 20009, 1979.
89. Selvik, A. "Naere Barn Giftes Mest." (Local Selection of Marriage Partners). Plan og Arbeid, no. 3/4, 1976, pp. 99-100. Arbeidsdirektoratet Postboks 8127, Oslo 1, Norway.

91. Smale, Melinda. Women in Mauritania: The Effects of Drought and Migration on Their Economic Status and Implications for Development Programs. Office of Women in Development, AID, Washington, D.C., 1980.
93. Svendsen, Dian Seslar, and Wijetilleke, Sujatha. Navamaga: Training Activities for Group Building, Health and Income Generation. Overseas Education Fund, Washington, D.C. 20037, 1983.
96. UN International Research and Training Institute for the Advancement of Women. Research on Women: An Inventory of UN-sponsored Activities. UN, New York, 1980.
97. UNDP. Promotion and Support for Women's Participation in the International Drinking Water Supply and Sanitation Decade. Project document no. INT/83/003/A/01/31. UNDP, New York, 1983.
98. UNEP. Women, Environment and Water. Environmental brief no. 2/80. UNEP, Nairobi, Kenya, 1980.
99. Van Wijk-Sizbesma, Christine, ed. Participation and Education in Community Water Supply and Sanitation Programmes: A Selected and Annotated Bibliography, Bulletin no. 13. IRC, The Hague, The Netherlands, July, 1979.
104. World Bank. Appropriate Technology for Water Supply and Sanitation: Seven Case Studies of Rural and Urban Fringe Areas in Latin America, vol. 8. Transportation, Water and Telecommunications Dept., World Bank, Washington, D.C., 1982.
105. World Bank. Case Study: Nicaragua Rural Sanitation Project. Notes on Women in Development Series no. 18. (Case studies). Office of the Advisor on Women in Development, World Bank, Washington, D.C., 1981.
106. World Bank. Integrating Women into Development. World Bank, Washington, D.C., August, 1975.

PHASE INDEX\*

- (a) Assessment 1, 2, 3, 5, 7, 8, 9, 10, 11, 12, 13, 14,  
15, 17, 18, 20, 21, 23, 25, 26, 27, 28,  
29, 30, 31, 33, 34, 35, 36, 38, 39, 44,  
46, 47, 49, 50, 52, 53, 55, 56, 57, 59,  
60, 61, 62, 64, 65, 66, 67, 68, 69, 71,  
72, 73, 74, 75, 76, 80, 81, 83, 85, 86,  
88, 89, 90, 92, 94, 95, 96, 98, 99, 101,  
102, 103, 104, 105, 107, 108.
- (b) Planning 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13,  
14, 15, 16, 17, 19, 20, 21, 22, 23, 24,  
25, 27, 28, 29, 30, 31, 32, 33, 34, 36,  
37, 38, 41, 42, 43, 44, 45, 47, 50, 51,  
52, 53, 54, 55, 56, 57, 58, 59, 60, 61,  
62, 64, 65, 66, 68, 69, 70, 71, 73, 74,  
75, 76, 77, 78, 79, 80, 83, 87, 88, 90,  
93, 94, 96, 97, 98, 99, 100, 103, 104,  
106, 107, 108.
- (c) Implementation 1, 4, 6, 7, 8, 10, 12, 15, 17, 21, 22,  
25, 29, 32, 38, 40, 41, 43, 44, 47, 50,  
51, 52, 63, 64, 65, 68, 70, 77, 78, 79,  
82, 84, 88, 93, 94, 98, 99, 103, 104,  
105, 106, 108.
- (d) Evaluation 1, 2, 3, 4, 5, 7, 8, 9, 10, 12, 15, 16,  
17, 19, 20, 21, 22, 23, 24, 25, 26, 27,  
28, 29, 30, 31, 32, 35, 38, 40, 41, 42,  
44, 45, 47, 48, 49, 50, 51, 52, 53, 55,  
58, 59, 60, 61, 62, 63, 64, 65, 67, 68,  
70, 72, 73, 79, 82, 84, 85, 88, 89, 91,  
94, 96, 98, 99, 100, 101, 103, 104, 106,  
107, 108.

\* Numbers following each phase refer to relevant documents listed in the author index.

COUNTRY INDEX \*

Bangladesh	1, 16, 35, 63, 77
Benin	12
Brazil	16
Cameroon	53
Colombia	15, 16, 104
El Salvador	15, 104
Ethiopia	8, 45
Francophone Sahel (region of Africa)	24
Gambia	22
Ghana	12, 49, 95
Guatemala	15, 104
India	3, 4, 16, 20, 41, 68
Indonesia	20, 35
Ivory Coast	12
Kenya	16, 17, 19, 40, 43, 46, 79, 98, 102
Lesotho	16
Malawi	16, 18, 65
Mali	12
Mauritania	91
Mexico	15, 32, 104
Nepal	2
Nicaragua	15, 104, 105
Niger	12
Norway	89
Pakistan	35

Panama	32
Peru	48, 101
Philippines	19, 39
Sri Lanka	20, 90, 92, 93
Sudan	11, 84
Swaziland	44
Tanzania	47
Thailand	25, 50, 81
Togo	12
Upper Volta	12, 67
Western Samoa	86
Yemen	9, 82
Zimbabwe	71

\* Numbers following each country refer to relevant documents listed in the author index.

1. Abdullah, Tahrunnessa A., and Zeidenstein, Sondra A. Village Women of Bangladesh: Prospects for Change. Oxford: Pergamon Press, in press.
2. Adams, Frances McStay. Education and Training for the World's Poorest Women and Girls. Report prepared for the Office of Women in Development, AID, November 1980.
13. Ansel., Christine. The Benefit of Rural Water Projects: An Impact Survey of Five Villages, New TransCentury Foundation, Sanaa, Yemen Arab Republic, October 1981.
14. Antrobus, Peggy. Women in Health and Development--The Caribbean Perspective. Paper prepared for the PAHO Second Annual Field Managers Programming Meeting, Barbados, 20 January 1982.
15. APCWD Publications--1980. List of publications of the Asian and Pacific Centre for Women and Development, Asian and Pacific Development Centre, Kuala Lumpur, Malaysia, 1980.
17. Appleton, Brian, ed. "Water Projects 'Must Have Women's Support'." World Water 4 (1981): 9.
24. Badran, Margot. "Contamination in Practice." In Health Needs of the World's Poor Women, pp. 98-101. Edited by Patricia W. Blair. Washington, D.C.: Equity Policy Center, 1981.
35. Blair, Patricia. Programming for Women and Health. Report prepared for the Office of Women in Development, AID, July 1980.
36. Boserup, Ester, and Liljencrantz, Christina. Integration of Women in Development: Why, When, How, UNDP, May 1975.
55. Clark, Noreen. Education for Development and the Rural Women--Volume 1--A Review of Theory and Principles with Emphasis on Kenya and the Philippines. New York: World Education, 1979.
74. Dixon, Ruth B. Assessing the Impact of Development Projects on Women. A.I.D. Program Evaluation Discussion Paper No. 8. Washington, D.C.: AID, May 1980.
82. Dulansey, Maryanne. Women in Development: Program Concerns in Franco-phone Sahel. Report of a Workshop, Bobo-Dioulasso, Upper Volta, 5-7 July 1979.
87. Elliott, Veronica, and Sorsby, Victoria. An Investigation into Evaluations of Projects Designed to Benefit Women: Final Report. Washington, D.C.: Focus International Incorporated, May 1979.

89. Elmendorf, Mary. "Beyond Access to Improved Water Supply and Sanitation: Impacts on and of Women and Children." In The Impact of Interventions in Water Supply and Sanitation in Developing Countries: Proceedings of a Seminar at PAHO, March 25-26, 1980, Washington, D.C., pp. 93-104. Edited by James D. Lindstrom. Washington, D.C.: AID, April 1981.
90. Elmendorf, Mary. "Changing Role of Maya Mothers and Daughters." In Women and Technological Change in Developing Countries, pp. 149-179. Edited by Roslyn Dauber and Melinda L. Cain. Boulder, Colorado: Westview Press, 1980.
92. Elmendorf, Mary. "Community Participation: A Human Dimension with Promise and Problems." In Safe Water and Waste Disposal for Health. Washington, D.C.: Institute for Rural Water, in press.
95. Elmendorf, Mary. Women and the Decade: Roles, Rights and Responsibilities. Paper under preparation for WHO, Geneva.
96. Elmendorf, Mary. Women, Water and the Decade. WASH Technical Report No. 6. Arlington, Virginia: Water and Sanitation for Health Project, June 1981.
97. Elmendorf, Mary. Women, Water and Waste: Beyond Access, Water and Sanitation for Health Project, Arlington, Virginia, 1981.
99. Elmendorf, Mary, and Isely, Raymond B. The Role of Women as Participants and Beneficiaries in Water Supply and Sanitation Programs. WASH Technical Report No. 11. Arlington, Virginia: Water and Sanitation for Health Project, December 1981.
100. Elmendorf, Mary, and Isely, Raymond B. "The Role of Women in Water Supply and Sanitation Programmes." World Health Forum, in press.
102. Epstein, T. Scarlett, and Watts, Rosemary A., eds. The Endless Day: Some Case Material on Asian Rural Women. Oxford: Pergamon Press, in press.
103. Equity Policy Center. International Symposium on Women and Their Health--Interim Report, Port Deposit, Maryland, 8-11 June 1980.
121. Furst, Barbara G. The Economic Participation of Low Income Urban Women in Developing Countries. Excerpt from a draft report for the Office of Urban Development, AID, June 1979.
122. Gachukia, Eddah. "Women's Self-Help Efforts for Water Supply in Kenya." Assignment Children 45/46 (1979): 167-174.
124. Getechah, W. "The Role of Women in Rural Water Development in Kenya." In Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training Held in Zomba, Malawi, 5-12 August 1980, pp. 85-88. Ottawa: International Development Research Centre, 1981.

125. Ghosh, D.; Sower, C.; and Ware, C. F. Draft Final Report of a Rural Development Evaluation Mission in Ceylon, 11 December 1961 - 25 March 1962. Prepared for the Government of Ceylon (Sri Lanka) under the UN Programme of Technical Assistance, 1962.
127. Giele, Janet Zollinger, and Smock, Audrey Chapman, eds. Women: Roles and Status in Eight Countries. New York: John Wiley and Sons, 1977.
133. Haile, Tsehaye. "Community Participation in Rural Water Supply Development." In Rural Water Supply in Developing Countries: Proceedings of a Workshop on Training held in Zomba, Malawi, 5-12 August 1980, pp. 89-95. Ottawa: International Development Research Centre, 1981.
139. Haratani, Joseph; Viveros-Long, Ana Maria; and de Gonzales, Ana Maria Becerra Marzano. Peru: Care OPG Water Health Services Project. A.I.D. Project Impact Evaluation Report No. 24. Washington, D.C.: AID, October 1981.
141. Health and the Status of Women. Pubn. No. FHE/80.1. Geneva: WHO, 1980.
150. International Center for Research on Women. A Strategy of Technical Assistance to AID Missions: Program Planning and Policy Analysis to Enhance Women's Socioeconomic Participation. Proposal submitted to Human Resource Division, Bureau of Program and Policy Coordination, AID, n.d.
154. Isely, Raymond B. "Assainissement des Sources D'Eau par des Moyens Locaux: Une Contribution à la Recherche d'une Technologie 'Appropriée.'" Ann. Soc. Belge Méd. Trop. 58 (1978): 149-156.
199. The Legal Status of Rural Women. FAO Economic and Social Development Paper No. 9. Rome: FAO, 1979.
204. Liebenow, J. Gus. Malawi: Clean Water for the Rural Poor. AUFS Field Staff Report No. 40. Hanover, New Hampshire: American Universities Field Staff, 1981.
234. Midence, Martita. "Women and Development: An Annotated Resource Guide." In Proceedings of the Fourteenth Annual Conference of the Association for Population/Family Planning Libraries and Information Centers International, Washington, D.C., March 23-26, 1981, pp. 84-99. Edited by Carann G. Turner. New York: APLIC International, March 1982.
250. Nieves, Isabel. "Beyond Survival Skills: Providing Basic Services to Satisfy the Needs of Poor Women." In Priorities in the Design of Development Programs: Women's Issues. Report prepared by the International Center for Research on Women, Washington, D.C., October 1980.
256. Oheng, Letitia E. "One Vote for Water On Tap." In Health Needs of the World's Poor Women, pp. 96-97. Edited by Patricia W. Blair. Washington, D.C.: Equity Policy Center, 1981.

257. Obeng, Letitia E. Women and Water-Related Disease. Paper presented at the International Symposium on Women and Their Health, Equity Policy Center, Washington, D.C., 8-11 June 1980.
258. Obeng, Letitia E. Women the Water Carriers--and Water-Related Diseases. Excerpts from a statement at the World Conference of the United Nations Decade for Women: Equality, Development and Peace, Copenhagen, July 1980. Nairobi: UNEP, 1980.
263. O'Kelly, Elizabeth. Simple Technologies for Rural Women in Bangladesh, UNICEF, Women's Development Programme, Dacca, Bangladesh, 1977.
264. Oppong, Christine. A Synopsis of Seven Roles and Status of Women: An Outline of a Conceptual and Methodological Approach. World Employment Program Research Working Paper No. 94, International Labour Office, Geneva, September 1980.
273. Paqui, Hilda R. Women and the International Drinking Water Supply and Sanitation Decade--Note by the United Nations Development Programme. Pubn. No. INSTRAW/BT/1982/CRP.8, UN International Research and Training Institute for the Advancement of Women, 15 January 1982.
299. Recognizing the 'Invisible' Woman in Development: The World Bank's Experience. Washington, D.C.: The World Bank, October 1979.
302. Roark, Paula. Successful Rural Water Supply Projects and the Concerns of Women. Report prepared for the Office of Women in Development, AID, Washington, D.C., September 1980.
311. Russell, Annemarie. Report on the Situation of Women in Target Villages of the UNICEF Domestic Water Supply Project in Bahr El Ghazal Province, Sudan. Khartoum, Sudan: UNICEF, October 1979.
313. Safilios-Rothschild, Constantina. "The Role of the Family: A Neglected Aspect of Poverty." In Implementing Programs of Human Development, pp. 311-372. World Bank Staff Working Paper No. 403. Edited by Peter T. Knight. Washington, D.C.: The World Bank, July 1980.
332. Srijayaramachandra, K. "Social and Cultural Aspects of the Water Sector." Annex VII to Vol. 2: A National Plan for Safe Drinking Water, pp. 98-103. Moratuwa, Sri Lanka: University of Moratuwa, Department of Town and Country Planning, July 1979.
346. Tinker, Irene. Women and Energy: Program Implications. Report prepared for the Office of Women in Development, AID, June 1980.
357. UNICEF/UNDP. Women as Innovators in Water Supply and Sanitation. Prepared for presentation to the April 1982 Meeting of the Steering Committee of the IDWSSD.
361. UNIDO. Integration of Women in Development: UNIDO Activities in 1980 Designed to Secure Greater Involvement of Women in Industrial Development. Report by the Executive Director at the Industrial Development Board's Fifteenth Session, Vienna, 15-29 May 1981. Pubn. No. ID/B/256, 18 March 1981.

372. Ware, Caroline F. Collection of Latin American Materials on Community Participation, Training of Women, and Social Organization: 1945-1976, Franklin D. Roosevelt Library, National Archives and Record Service, Hyde Park, New York.
399. WHO. Progress Report of WHO Activities Concerning Women, Health and Development in 1981. Prepared for the Twenty-Ninth Session of the United Nations Commission on the Status of Women, Vienna, Austria, 22 February - 3 March 1982.
400. WHO. Report of Consultation on Women as Providers of Health Care, Geneva, 17-19 December 1980. Pubn. No. HMD/81.2, WHO, 1980.
408. "Women - And Men - Discussing, Deciding, Doing." World Education Reports 22 (1980): 1-24.
409. Women in Development - An Annotated Bibliography of Available Materials from the Office of Women in Development, Room 3243, New State, Agency for International Development, Washington, D.C. 20523, n.d.
412. World Bank. Case Study: Nicaragua Rural Sanitation Project, World Bank Workshop on Meeting Basic Health Needs, Easton, Maryland, 21-24 October 1980.
420. World Bank. Integrating Women Into Development. Washington, D.C.: The World Bank, August 1975.
427. World Conference of the United Nations Decade for Women: Equality, Development and Peace. Pubn. No. A/CONF.94/28. Copenhagen, Denmark, 14-30 July 1980.

Appendix B: Additional citations of relevance not included in the main bibliography

Buckles, Patricia K. and Andrew Karp and Bruce Willomen. The Training and Utilization of Rural Water Technicians in Guatemala, Agua del Pueblo, St. Louis, Mo., n.d.

Roserup, Ester and Liljencrantz, Cristina. Integration of Women in Development: Why, When, How. UNDP, May 1975.

Jorstad, Mette. A Social Scientist View of Strategies in Order that Water Development Programs in Central and East Africa May Attain More Explicit and Implicit Goals. NORAD, 1982.

Kebede, Hanna. Improving Village Water Supplies in Ethiopia: A Case Study of Socio-Economic Implications. African Training and Research Center for Women. UNECA, 1978.

Oppong, Cristine. A Synopsis of Seven Roles and Status of Women: An Outline of a Conceptual and Methodological Approach. World Employment Program Research Working Paper No. 94, International Labor Office, Geneva, September 1980.

Perrett, Heli. Planning of Communication Support (Information, Motivation and Education) in Sanitation Projects and Programs. TAG Technical Note No. 2, IBRD/UNDP, 1983.

Perrett, Heli. Socio-Feasibility Analysis in Low-Cost Sanitation Projects. TAG Technical Note No. 5, IBRD/UNDP, 1983.

Simpson-Herbert, Mayling. Methods for Gathering Socio-Cultural Data for Water Supply and Sanitation Projects. TAG Technical Note No. 1, IBRD/UNDP, 1983.

Srinivasan, Lyra. Bridging the GAP: A Participatory Approach to Health and Nutrition and Education. Save the Children, May 1982.