

Women in Agriculture and Rural Life: An International Bibliography

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INTRODUCTION

Over the last 25 years, the role of women in agriculture has become a familiar and well-developed subject. Whereas once small groups of women met at local and regional conferences to examine the roles of women on farms and in agricultural development and to bring attention to their importance, today the Second International Conference on Women in Agriculture, organized by the U.S. Department of Agriculture and held in Washington, DC, offers over 100 sessions on three separate tracks, with speakers from every continent.

Broadly speaking, the early studies legitimized the idea of women as productive partners in agriculture, discovering and documenting the various roles played by women as farmers, farm wives, and agricultural professionals and recounting the stories of successful women in these roles. Research that began to appear in the 1980's and continues in the 1990's has expanded the discovery process to more areas of the world,

applying increasingly sophisticated methodologies of the social sciences to the study of women's roles and contributions to agriculture.

Many researchers have also begun to include rural and farm women as participants in determining the directions of new studies, in an effort to assure some tangible benefits come from the work. Given the level of interest evidenced by participation in the Second International Conference on Women in Agriculture, the new millennium promises continued expansion and refinement of our understanding of women in agriculture. We can also expect a growing need to apply that understanding to the increasingly complex and global challenges of food production, farm structure, and rural development.

We have learned a great deal in a short time about women's roles and experiences of agriculture and rural life. Fundamental among our discoveries has been the certainty that women farm, on their own in some cases, or as partners in the work of family farms, performing essential household production tasks, as well as tending gardens, livestock, and assisting in the fields as needed. Indeed, we have learned that in many cultures women are the farmers, on whom families and communities depend for food production. We have also learned that women often help support family farm operations or their households through paid farm work for others, or through off-farm and nonfarm businesses or paid employment.

From this knowledge has come further research and discussion of issues such as women's access to land and credit; the effects of policies, programs, and laws on farm and rural women; the consequences of changes in farm structure for the roles of women; the connections between support of the needs of farm and rural women and poverty and low-income rural households; and the implications of cultural, ethnic, and racial differences on the needs of women on farms. More recently has come discussion of rural and farm women as important players in successful approaches to food security and in the development and adoption of sustainable agricultural practices.

Much research of the past two decades has focused on recognition and empowerment of women in agriculture--as farmers, workers, professionals, and within households. For women in developed countries, the focus has largely been on identifying and removing barriers to full participation in the work and rewards of agriculture and rural development, and on recognizing and developing women's leadership as scientists, teachers, program agents, and in voluntary organizations. For women in developing countries, however, the focus has often been on the shortcomings of international agricultural development programs. Many studies have analyzed the implications for successful development programs and policies of incorporating an accurate understanding of women's roles in agricultural systems, and of involving women as leaders and professionals in the transfer of new technologies and practices.

More recently, studies of women in international development have also begun to analyze the effects of programs and policies on women directly. Although perhaps a subtle change in perspective, the new approach moves beyond analyzing the ways in which understanding women's roles can make agricultural and rural development programs

work more effectively, to analyzing whether some kinds of development programs should not be implemented because of their potential detrimental effects on women's roles.

The works cited in this bibliography are drawn from the National Agricultural Library's AGRICOLA database. AGRICOLA (AGRICultural OnLine Access) is a bibliographic database consisting of literature citations for journal articles, monographs, serials, theses, patents, proceedings, audiovisual materials, software, electronic documents, and technical reports. As well as an index, AGRICOLA is also a locator system for materials contained in the collection of the National Agricultural Library, the largest collection of agricultural literature in the world. Available since 1970, this database presently contains over 3 million records. Older materials are being added to AGRICOLA regularly with the objective of eventually including the entire collection. You will see this reflected in the many pre-1970 materials cited in this bibliography

The database search strategy for Women in Agriculture and Rural Life entailed using a variety of keywords and database-specific subject codes. Database coverage was January 1970 through March 1998. The materials cited in this bibliography are limited to those in English, or with English summaries. For details on the search, see Appendix A.

The bibliography is organized by three subject categories: "women on the land", "women as agricultural professionals", and "bibliographies and non-print media". Each of the three subject categories is further divided into seven geographical designations: North America (including Mexico), South America (including Central America and the Caribbean), Europe (including Russia/Soviet Union), Asia (including the Pacific Islands), Africa, Australia/New Zealand, and International. Users will also find author indices at the end of the bibliography.

The category "women on the land" was initially divided into three categories--women as farmers and farmworkers, women in farm families, and rural nonfarm women--but we quickly discovered, as have many who study the lives of rural and farm women, that these categories are deeply intertwined. Separating works on women as farmers from those on women in farm families or on rural nonfarm women was virtually impossible and not likely to be very useful. Most studies analyze the interactions of a range of roles played by women, especially combining women's farm work with household and family tasks and with nonfarm wage or volunteer work. Moreover, the terms "rural" and "farm" are often used interchangeably, especially in the international development literature, making it difficult to accurately separate works on farm women from works on rural nonfarm women.

As a result, the bulk of the citations in this bibliography fall into the large category "women on the land." Users will find studies on women's work as independent farmers, farm managers, and farm landlords, and as both paid and unpaid agricultural workers, within the family or for neighbors or unrelated employers. The category includes studies on women's household work on family farms and in families of farmworkers, and women's roles as farm wives and mothers.

Research on women's off-farm employment and nonfarm businesses, women's activities in farm and rural organizations, and women's education in both agricultural technologies and nonfarm employment skills is also included under "women on the land", as are studies on women's role in farm structure, sustainable agriculture, rural development programs, and food security issues. Some citations are clearly about nonfarm rural women, but most of these relate to employment and other rural development issues that could affect farm women as well. Although the category is very broad, we hope the geographical subdivisions will help users focus on items of particular interest to their own research.

The category "women as agricultural professionals" includes research on women's experiences as vocational agriculture teachers; agricultural economists and engineers; botanists and entomologists; foresters and conservationists; extension home economists; and veterinarians. It also includes studies of the educational programs that produce such professionals and the attitudes of various professions and professional societies towards their women members. The category "bibliographies and non-print media" contains citations for both general works and items that would fall in other categories except for their format. Users should check this category for coverage of the subject matter of interest to them.

The authors wish to thank their respective USDA agencies for their support in compiling this bibliography. We also thank Abiola Adeyemi, AFSIC staff, for his patient and careful database editing; and Rebecca Thompson, NAL Information Center Branch Staff, for technical advice and help. Special thanks go to Jane Potter Gates, AFSIC Coordinator, for originating and organizing this project, and for her steadfast encouragement.

Anne B.W. Effland
Mary V. Gold
June 1998

Part I: Women on the Land

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Women in Agriculture, Part II: Women as Agricultural Professionals

Africa

1. NAL Call No.: S544.5.M274I56

Income generating activities training for women's program officers, October 5-December 20, 1987.

Malawi. Ministry of Agriculture. v, 30 leaves. (USAID Mission to Malawi?: Malawi Ministry of Agriculture?, Lilongwe, Malawi, 1988)
On cover: Malawi agricultural research and extension project.

2. NAL Call No.: HT421.S65 no.3

Women paraprofessionals in Upper Volta's rural development.

Taylor, E. x, 56p. (Rural Development Committee, Center for International Studies, Cornell University, Ithaca, N.Y., 1981)

3. NAL Call No.: DT365.A2J6

Women's access to higher education in Kenya: a study of opportunities and attainment in science and mathematics education.

Eshiwani, G. S. *J East Afr Res Dev.* (15): p.91-110 (1985)

Paper presented at an international conference on "Women and Development in Africa," Sept 24/28, 1984, Nairobi, Kenya.

Asia

4. NAL Call No.: S945.W6

The challenges of women working in Saudi Arabia Personnel, natural resources.

Rice, C. L. *Women in natural resources: international perspective: proceedings of a conference for men and women, Univ. of Idaho.* p.27-36. maps. (1982)

Includes references.

5. NAL Call No.: aS622.S6

SCS Soil Conservation Service office in Guam opens for business Joan Perry, USDA employees, women in agriculture, Trust Territory of the Pacific Islands, includes biographical information.

Charles, P. M. *Soil Water Conserv USDA Soil Conserv Serv.* v.3(6): p.7. (1982 Sept.)

6. NAL Call No.: S945.W6

Women in natural resources: perspectives from Nepal.

Stone, L. *Women in natural resources: international perspective: proceedings of a conference for men and women, Univ. of Idaho.* p.183-194. (1982)

Includes references.

7. NAL Call No.: 99.8 UN1

Women's progress in forestry: examples from the Philippines and the United States. 1. Filipino women in forestry.

Cruz, C. A. *Unasyuva.* v.36(4): p.44-45; ill. (1984)

8. NAL Call No.: S544.5.O3L37

Women's roles in South Pacific agriculture. Their roles as agricultural extensionist agents.

Larcom, J. C. vii leaves, 79p. (Institute of Culture and Communication, East-West Center, Honolulu, Hawaii, U.S.A. 1987)

Bibliography: p. 78-79.

9. NAL Call No.: S542.3.R46 no.7

Women scientists and managers in agricultural research in the Philippines.

Brush, E. G.; International Service for National Agricultural Research. xv, 113p. (International Service for National Agricultural Research, The Hague, Netherlands, 1995)

"April 1995."

10. NAL Call No.: S542.P6W65 1993

Women scientists and managers in agricultural research in the Philippines: highlights of a case

study.

International Service for National Agricultural Research. 10p. (International Service for National Agricultural Research; Philippine Council for Agriculture, Natural Resources and Forestry Research and Development, The Hague, Netherlands; Los Banos, Philippines, 1993)
Cover title.

Australia/New Zealand

11. NAL Call No.: 80 AM371

Agnes Kryger speaks out for women.

Scott, D. *Am Nurseryman*. v.166(6): p.99-101. (1987 Sept.)

12. NAL Call No.: QK431.P4

Collectors and illustrators. Women botanists of the nineteenth century Australia.

Moral, A. *People Plants Aust.* p.333-356. (1981)

Includes bibliography.

13. NAL Call No.: QK431.P4

The contribution of women to Australian botany.

Carr, D. J. *People Plants Aust.* p.325-332 (1981)

Includes bibliography.

14. NAL Call No.: 41.8 N483

Survey of women veterinarians in New Zealand. I. Patterns of work.

Jones, J. M. *NZ Vet J.* v.33(8): p.121-126. (1985 Aug.)

Includes 20 references.

Europe

15. NAL Call No.: S3.A32

Career opportunities for women in British agriculture.

Gasson, R. *Agric Adm.* v.8(4): p.241-253 (1981 July)

11 ref.

16. NAL Call No.: SB608.E5D87

Dutch elm disease; the early papers: selected works of seven Dutch women phytopathologists.

Holmes, F. W.; Heybroek, H. M.; American Phytopathological Society. 154p. (American Phytopathological Society, St. Paul, Minn., USA, 1990)

Includes bibliographical references.

17. NAL Call No.: 41.8 V641

Effect on the veterinary profession of the increasing numbers of women graduates [United Kingdom].

Wells, B. T. *Vet Rec.* v.114(20): p.488-490. (1984 May)

18. NAL Call No.: HT401.J68

Reproduction of the family farm and rural society--an issue of power relations. II.

J Rural Stud. v.7(1/2): p.45-47. (1991)

In the series analytic: Women in agriculture / edited by M.B. Darque and R. Gasson. Paper presented at a Workshop at the World Congress for Rural Sociology, July 1988, Bologna, Italy.

19. NAL Call No.: QK1.R4

Vera Bontea, D. SC., at the age of 75.

Sesan, T.; Dumitras, L.; Manoliu, A. *Rev Roum Biol Ser Biol Veg.* v.31(2): p.163-16;. ill. (1986 July-1986 Dec.)

20. NAL Call No.: 41.8 V641

Women in the veterinary profession.

Aitken, M. M. *Vet rec.* v.134(21): p.546-551. (1994 May)

Includes references.

North America

21. NAL Call No.: HD9005.A63 1994

Achieving diversity: the status and progress of women and African Americans in the agricultural economics profession.

Marchant, M.; Williamson, H. xxiv, 218p. (Garland, New York, 1994)

Includes bibliographical references and index.

22. NAL Call No.: 423.9 EN8

Adult amateur experiences in entomology: breaking the stereotypes.

Matthews, J. R. *Bull Entomol Soc Am.* v.34(4): p.157-161. (1988 Winter)

Includes references.

23. NAL Call No.: SB439.P49

Adventures of a "wild" plants woman in pursuit of native plant preservation.

Phillips, N. xii, 224p. (Little Bridge Pub. Co., Grand Rapids, Minn., 1988)

Includes index.

24. NAL Call No.: SF85.A1R32

Ainsworthite forsakes lab white for denim blue [Irene Graves, women in range management, biographies, Nebraska].

Crosby, B. *Rangelands.* v.6(1): p.27-29; ill. (1984 Feb.)

25. NAL Call No.: HT401.R94

American feminists as women in development.

Houts, S. *Rural Sociol.* v.6(2): p.124-128. (1986 Mar.)

Includes references.

26. NAL Call No.: Q141.A474

American men & women of science.New York R.R. Bowker Company. Database Publishing Group. 1989-)

"A biographical directory of today's leaders in physical, biological and related sciences."

27. NAL Call No.: QL461.A52

Ann Botsford Comstock: artist, author, and teacher.

Smith, E. H. *Am Entomol.* v.36(2): p.105-113. (1990 Summer)

Includes references.

28. NAL Call No.: QL461.A52

Annette Braun: Uncommon dedication.

Am Entomol. v.36(2): p.118-122. (1990 Summer)

Includes references.

29. NAL Call No.: QL461.A52

Annie Trumbull Slosson.

Dougherty, V. *Am Entomol.* v.36(2): p.126-127. (1990 Summer)

30. NAL Call No.: 99.8 UN1

An anthropologist among foresters.

Colfer, C. J. P. *Unasylva*. v.36(4): p.33-34. (1984)

31. NAL Call No.: SB1.H6

Antinepotism: An obstacle for career-bound couples? [Results of a questionnaire developed by the American Society for Horticultural Science's Ad Hoc Committee, women in horticulture].

Paparozzi, E. T.; Lamberts, M. *Hortscience*. v.19(4): p.483. (1984 Aug.)

32. NAL Call No.: SB1.H6

ASHS American Society for Horticultural Science demographics and gender attitudes in North America Discrimination against women in horticulture.

Abbott, J. A. *Hortscience*. v.16(1): p.8-9. (1981 Feb.)

33. NAL Call No.: jQH429.2.M38K58 1991

Barbara McClintock.

Kittredge, M. 103p. (Chelsea House Publishers, New York, 1991)

"Introductory essay by Matina S. Horner"--Cover.

34. NAL Call No.: 275.8 AG8

Being the odd one in a profession.

Hewitt, M.; Howell, D. L. *Agric Educ Mag*. v.63(8): p.19-20. (1991 Feb.)

Includes references.

35. NAL Call No.: 49 J82

Breaking through the glass ceiling: an industrial perspective.

Harlander, S. K. *J Anim Sci*. v.74(11): p.2849-2854. (1996 Nov.)

Presented at a symposium titled "Trails to Success for Women in Animal and Dairy Sciences: Mentoring as a Stimulus for Success" at the Joint ADSA-ASAS Annu. Mtg., Minneapolis, MN.

36. NAL Call No.: QL461.A52

Bringing human diversity into the mainstream of entomology.

Feir, D.; Hilliard Clark, J.; Larsen, J. R.; Moore, L.; King, E. G.; Hayes, J. L. *Amer Entomol*. v.36(3):

p.190-192. (1990 Fall)

Includes references.

37. NAL Call No.: HT401.R94

Bringing the feminists in: on the mutual interests of feminists and Rural Sociology.

Scott, J. K.; Lipner, M. E. *Rural Sociol*. v.10(1): p.12-16. (1990 Winter)

"Panel response to "The Status of Academic Women" by R. Campbell, p. 10-11.

38. NAL Call No.: QL461.A52

Bug bits--entomology workshops for young women.

Nead, B. A. *Amer Entomol*. v.39(1): p.6-7. (1993 Spring)

Includes references.

39. NAL Call No.: aS21.D45B8

Building on the-- framework for change: women in USDA.

United States. Dept. of Agriculture. 13p. (U.S. Dept. of Agriculture, Washington, D.C., 1991)

Cover title. [4] of cover.

40. NAL Call No.: SF601.A46

Buying in? Hiring an associate? Considerations for men and women contemplating the plunge.

Poland, H. M. *Proc Annu Conv Am Assoc Equine Pract.* p.713-718. (1993)
Meeting held on November 29-December 2, 1992, Orlando, Florida.

41. NAL Call No.: **QK26.H64 1987**

California women in botany: Annetta Carter, UC herbarium botanist, collector and interpreter of Baja California plants: Mary DeDecker, botanists and conservationist of the Inyo Region: Elizabeth McClintock, California Academy of Sciences curator, ornamental plant specialists.

Holleuffer, C.; Constance, L.; Bancroft Library. Regional Oral History Office. various pagings. (Regional Oral History Office, The Bancroft Library, Berkeley, Calif. 1987)

Includes indexes.

42. NAL Call No.: **41.8 N812**

Career attitudes and lifestyles of women in veterinary medicine.

Marshall, K. E.; Lee, A. G. *Mod Vet Pract.* v.63(3): p.190-193 (1982 Mar.)

Includes 18 ref.

43. NAL Call No.: **HD1401.A56**

Career development of agricultural graduates: a gender comparison.

Thomas, J. K.; Cotten, J. F.; Luedke, A. J. *Agribusiness.* v.7(5): p.503-514. (1991 Sept.)

Includes references.

44. NAL Call No.: **QK938.D4D4**

A career of her own: Edith Shreve at the Desert Laboratory.

Bowers, J. E. *Desert Plants.* v.8(1): p.23-29; ill. (1986)

Includes references.

45. NAL Call No.: **275.9 N213**

Career perceptions of women faculty in colleges of agriculture.

Cooper, B. E.; Henderson, J. L. *NACTA J.* v.33(1): p.13-16. (1989 Mar.)

Includes references.

46. NAL Call No.: **aS625.7.U54**

Careers that make a difference: women in government.

United States. Soil Conservation Service. 8p. (The Service, Lakewood, Colo. 1991)

Cover title.

47. NAL Call No.: **6 F2212**

Caring for prison kids.

Patrico, J. *Farm J.* v.111(8): p.41-43. (1987 May)

48. NAL Call No.: **QL461.A52**

Challenges facing blacks in nontraditional fields.

Hilliard Clark, J. *Amer Entomol.* v.36(3): p.193-196. (1990 Fall)

Includes references.

49. NAL Call No.: **SD140.F67**

Challenging tradition: pioneer women naturalists in the National Park Service.

Kaufman, P. W. *For Conserv Hist.* v.34(1): p.4-16. (1990 Jan.)

50. NAL Call No.: **S945.W6**

Changing sex roles and adaptive strategies Relevant to women as professionals in natural resource careers.

James, J. *Women in natural resources: international perspective: proceedings of a conference for men and women, Univ. of Idaho.* p.131-143. (1982)

51. NAL Call No.: 423.9 EN8

Changing status of women in academic entomology.

Willis, J. H. *Bull Entomol Soc Am.* v.33(1): p.17-19. (1987 Spring)

52. NAL Call No.: S530.A4

A comparison of deterrents to collegebound male and female enrollment in secondary agricultural education programs in Nebraska.

Bell, L. C.; Fritz, S. *J Agric Educ.* v.35(4):p.20-24. (1994)

Includes references.

53. NAL Call No.: 280.8 J822

A comparison of the rank and salary of male and female agricultural economists.

Lee, L. K. *Amer J Agric Econ.* v.63(5): p.1013-1018. (1981 Dec.)

4 ref.

54. NAL Call No.: 280.8 J822

The conduct of the survey on the opportunities for and status of women in agricultural economics.

Lundeen, A. A.; Clauson, A. L. *Amer J Agric Econ.* v.63(5): p.1010-1012. (1981 Dec.)

55. NAL Call No.: 280.29 AM3A

Cooperatives need women as leaders Farm supply.

Gooding, J. *Am Coop.* p.158-161. (1982)

56. NAL Call No.: aSD433.A53 no.46

Current topics in forest research: emphasis on contributions by women scientists: proceedings of a national symposium, Gainesville, Florida, November 4-6, 1986.

Kossuth, S. V.; Pywell, N. A.; Southeastern Forest Experiment Station (Asheville, N. C. v, 197p.
(Southeastern Forest Experiment Station, Asheville, NC, 1987)

Includes bibliographies.

57. NAL Call No.: 99.8 F768

The Dallas symposium.

Yonts Shepard, S. *J For.* v.84(7): p.21-24; ill. (1986 July)

58. NAL Call No.: SD140.F67

Dispelling myths: women's contributions to the Forest Service in California.

Pendergrass, L. F. *For Conserv Hist.* v.34(1): p.17-25. (1990 Jan.)

Includes references.

59. NAL Call No.: 99.8 F768

Documenting progress: the Women in Natural Resources journal.

Ebrenreich, D. L. *J For.* v.94(11): p.8-12. (1996 Nov.)

Includes references.

60. NAL Call No.: SF85.A1R32

Edie's love of plants [Edith Hadle, Soil Conservation Service technician, women in range plant research, biographies, Kansas].

Smith, G. L. *Rangelands.* v.6(1): p.36-37; ill. (1984 Feb.)

61. NAL Call No.: QL461.A52

Edith Marion Patch: her life as an entomologist and a writer of children's books.

Stoetzel, M. B. *Am entomol.* v.36(2): p.114-118. (1990 Summer)

Includes references.

62. NAL Call No.: S544.H49

Education for action: a thirty year history of the National Extension Homemakers Council, 1936-1966.

Heywood, E.; Blackner, K.; National Extension Homemakers Council (U.S.). 94p. (National Extension Homemakers Council,

63. NAL Call No.: HT401.S68

Employment migration among graduates of Southern land-grant universities.

Ballweg, J. A.; Li, L. *South Rural Sociol J.* v.9(1): p.91-102. (1992)

Includes references.

64. NAL Call No.: HD6073.F32U65 1993

Entitled to power: farm women and technology, 1913-1963.

Jellison, K. xxii, 217p. (University of North Carolina Press, Chapel Hill, NC, 1993)

Includes bibliographical references and index.

65. NAL Call No.: QL461.A52

Entomology and education.

Oseto, C. *Amer Entomol.* v.37(4): p.198-199. (1991 Winter)

Includes references.

66. NAL Call No.: aJK766.4.U65 1991

Equal opportunity is for everyone: 1991 accomplishments.

United States. Forest Service. Personnel and Civil Rights. vii, 131p. (The Service, Washington, D.C., 1991)

"December 1991."

67. NAL Call No.: 423.9 EN8

Escaping from the cultural prison.

McLean, D. L. *Bull Entomol Soc Am.* v.33(1): p.15-17. (1987 Spring)

68. NAL Call No.: 280.8 J822

Evidence on barriers to the parallel advancement of male and female agricultural economists.

Lane, S. *Amer J Agric Econ.* v.63(5): p.1025-1031 (1981 Dec.)

15 ref.

69. NAL Call No.: HT401.R94

Factors influencing the status of academic women in rural sociology.

Garkovich, L. *Rural Sociol.* v.10(1): p.3-11. (1990 Winter)

"Panel response to "The Status of Academic Women" by R. Campbell, p. 10-11.

70. NAL Call No.: TX1.H63

Factors related to college women's perception of employment.

Weber, J. A.; Miller, M. G. *Home Econ Res J.* v.13(2): p.159-166. (1984 Dec.)

Includes references.

71. NAL Call No.: 99.8 F768

Federal government's Cooperative Education Program used by the Forest Service, the Soil Conservation Service, and the Bureau of Land Management, primarily to increase their number of women and minority employees.

Singer, P. F. *J For.* v.78(10): p.653. (1980 Oct.)

72. NAL Call No.: SF601.J62

Feminization of the veterinary profession.

Stogdale, L. *J Vet Med Educ.* v.11(2): p.38-40. (1985 Spring)
Includes references.

73. NAL Call No.: 49 J82

Fixing the leaky pipeline: women scientists in academia.

Pell, A. N. *J Anim Sci.* v.74(11): p.2843-2848. (1996 Nov.)

Presented at a symposium titled "Trails to Success for Women in Animal and Dairy Sciences: Mentoring as a Stimulus for Success" at the Joint ADSA-ASAS Annu. Mtg., Minneapolis, MN.

74. NAL Call No.: 99.8 F768

Forest technicians: enrollment and employment 1989-90.

O'Neill, K. J. *J For.* v.89(1): p.34-36; ill. (1991 Jan.)

Includes references.

75. NAL Call No.: SB1.H6

Formal networks for women professionals.

Paparozzi, E. T. *Hortscience.* v.22(2): p.195-196; ill. (1987 Apr.)

Includes references.

76. NAL Call No.: SF85.A1R32

From a housewife to range manager [Women in agriculture, Nebraska].

Frazier, B. *Rangelands.* v.6(1): p.5-6; ill. (1984 Feb.)

77. NAL Call No.: S530.A4

A gender analysis of job satisfaction, job satisfier factors, and job dissatisfier factors of agricultural education teachers.

Cano, J.; Miller, G. *J Agric Educ.* v.33(3): p.40-46. (1992 Fall)

Includes references.

78. NAL Call No.: QL461.A52

Gender, race, nationality, and the graduate student entomology experience.

Pearson, G. A. *Amer Entomol.* v.38(2): p.103-114. (1992 Summer)

Includes references.

79. NAL Call No.: SF601.J62

The gender shift in the veterinary profession and attitudes towards animals: A survey and overview.

Hart, L. A.; Melese d'Hospital, P. *J Vet Med Educ.* v.16(1): p.27-30. (1989 Spring)

Includes references.

80. NAL Call No.: SB470.S35S35 1990

Geraldine Knight Scott, 1904-1989, a woman in landscape architecture in California, 1926-1989.

Scott, G. K.; Buktenica, J.; Riess, S. B.; Bancroft Library. Regional Oral History Office. xvi, 235p.

(Regional Oral History Office, The Bancroft Library, University of California, Berkeley, Calif., 1990)

Women in landscape architecture in California, 1926-1989; Includes index.

81. NAL Call No.: 99.8 F768

Hanging question marks on our professions.

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120. NAL Call No.: 275.9 N213

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126. NAL Call No.: QL461.A52

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141. NAL Call No.: aSD388.A1U52

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142. NAL Call No.: 423.9 EN8

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148. NAL Call No.: **SB1.H6**

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149. NAL Call No.: **SD387.F6W6**

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Alfred W. Bowers Laboratory of Anthropology. (Bowers Laboratory, Moscow, Idaho, 1978-)

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150. NAL Call No.: **450 AM36**

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151. NAL Call No.: **464.8 P56**

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Vidaver, A. K. *Phytopathology.* v.78(1): p.27-31. (1988 Jan.)

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Chapin, J. B. *Bull Entomol Soc Am.* v.33(1): p.13-15; ill. (1987 Spring)

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158. NAL Call No.: **1 Ag84M no.1058 1967**
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United States. Forest Service. 8p. (U.S. Dept. of Agriculture, Forest Service, Washington, D.C., 1967)
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159. NAL Call No.: **1 Ag84M no.1058 1972**
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160. NAL Call No.: **99.8 F768**
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James, C. *J For.* v.89(3): p.14-17; ill. (1991 Mar.)
161. NAL Call No.: **302.8 T162**
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162. NAL Call No.: **HT401.R94**
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163. NAL Call No.: **99.8 UN1**
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Albertson, M. H. *Unasylva.* v.36(4): p.46-47; ill. (1984)
164. NAL Call No.: **SF601.J62**
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Includes references.
165. NAL Call No.: **SF779.5.U7**
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Urban and Rural Systems Associates. xii, 101p. (Dept. of Health, Education and Welfare, Women's Action Program, Washington, 1976)
"Prepared for the Women's Action Program, Office of Special Concerns, Office of the Assistant Secretary for Planning and Evaluation, Department of Health, Education and Welfare pursuant to Contract: HEW OS-74-291." Cover title: Veterinary medicine.
166. NAL Call No.: **SF612.D7 1991**
Women in veterinary medicine: profiles of success. 1st ed.
Drum, S.; Whiteley, H. E. xv, 270p. (Iowa State University Press, Ames, IA , 1991)
167. NAL Call No.: **TX341.D4**
Women's issues and dietetics: Implications for professional development.
Finn, S. C.; Gussler, J. D. *Diet Curr.* v.11(1): p.1-4 (1984 Jan.-1984 Feb.)
Includes 19 references.

168. NAL Call No.: 280.8 J822

The women who become agricultural economists.

Redman, B. J. *Amer J Agric Econ.* v.63(5): p.1019-1024. (1981 Dec.)

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169. NAL Call No.: 450 T192

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Rudolph, E. D. *Taxon.* v.39(2): p.151-205. (1990 May)

Includes references.

170. NAL Call No.: SD565.E5

Woods-working women: sexual integration in the U.S. Forest Service.

Enarson, E. P. x, 174p. (University of Alabama Press, Tuscaloosa, Ala., 1984)

Includes index.

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Hardesty, L. H. *Rangelands.* v.6(1): p.17-18; ill. (1984 Feb.)

172. NAL Call No.: S945.W6

Preparing women for international service: a case study experience. Natural resources personnel.

Hardesty, L. H.; Box, T. W. *Women in natural resources: international perspective: proceedings of a conference for men and women, Univ of Idaho.* p.11-26 (1982)

173. NAL Call No.: S945.W6

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Williams, P. J. *Women in natural resources: international perspective: proceedings of a conference for men and women (Univ. of Idaho).* p.93-130; ill. (1982)

Includes references.

174. NAL Call No.: S945.W6

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175. NAL Call No.: Q141.O34

Women in science: antiquity through the nineteenth century: a biographical dictionary with annotated bibliography.

Ogilvie, M. B. 254p. (MIT Press, Mass., 1986)

Includes index.

176. NAL Call No.: Q130.W67

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Kass Simon, G. G.; Farnes, P.; Nash, D. xvi, 398p. (Indiana University Press, Bloomington, IN, 1990)

Includes bibliographical references and indexes.

Women in Agriculture, Part III: Bibliographies and Non-print Media

Bibliographies

1. NAL Call No.: 281.9 P38 No.125

Annotated bibliography of women in rural America: with a review of the literature about women in rural America, bibliography of women in rural areas worldwide, and resource material.

Joyce, L. ii, 62 leaves (Dept. of Agricultural Economics and Rural Sociology, Agricultural Experiment Station, University Park, 1976)

2. NAL Call No.: 281.9 P38

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Joyce, L.; Pennsylvania Agricultural Experiment Station. *AE and RS Pa State Univ Dep Agric Econ Rural Soc.* (125) 62p. (1976 Aug.)

3. NAL Call No.: 281.9 P38

An assessment of research needs of women in the rural United States: literature review and annotated bibliography.

Joyce, L. M.; Leadley, S. M.; Pennsylvania Agricultural Experiment Station. *AE and RS Pa State Univ Dep Agric Econ Rural Soc.* (127) 150p. (1977 Apr.)

4. NAL Call No.: Z7963.E7B53

A Bibliography of women in agricultural development: with special reference to the Third World.

Swisher, M. E.; University of Florida. Women in Agricultural Development Program. 2 volumes (Women in Agricultural Development Program, Office of International Programs, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL, 1990)

v. 1. Africa and Asia -- v. 2. Europe and North America, Latin America and Third World general.

5. NAL Call No.: 281.9 P38 no.174

Farm women in the United States: an updated literature review and annotated bibliography.

Bentley, S. 76p. (Dept. of Agricultural Economics and Rural Sociology, Center for Rural Women, Agricultural Experiment Station, The Pennsylvania State University, University Park, Pa, 1984)
"May 1984"

6. NAL Call No.: Z733.N3A72

Labor force characteristics of nonmetropolitan women.

O'Leary, J. M. *Assoc NAL Today.* v.2(2): p.22-27; ill (1977 Sept.)
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7. NAL Call No.: 1 P96LF

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U.S. Dept. of Agriculture Office of Information Publications Division. *List Avail Publ US Dept Agric.* 18p. (1975 Mar.)

8. NAL Call No.: Z5071.R64 1994

The role of women in agriculture and rural development: a bibliography extracted from AGRIS 1986-1994.

Food and Agriculture Organization of the United Nations. xxi, 197p. (Food and Agriculture Organization of the United Nations, Rome, 1994)

At head of title: 4th World Conference on Women, Beijing, China, 4-15 September 1995.

9. NAL Call No.: Z7961.R87 1992

Rural women: an annotated bibliography.

C.A.B. International. 264, 7p. (C.A.B. International Information Services, Oxon, UK, 1992?)
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10. NAL Call No.: Z7964.U5F69

Rural women: an annotated bibliography, 1976-1979.

Fowler, B.; West Virginia. University. School of Social Work. Rural Community Development Learning Center. 18p. (Rural Community Development Learning Center, School of Social Work, West Virginia University, Morgantown, 1979)

11. NAL Call No.: Z733.N3A72

Rural women History, USA.

Flora, C. B. *Assoc NAL Today*. v.2(2): p.16-21 (1977 Sept.)

12. NAL Call No.: HD1521.M5 No.15

Rural women workers in the 20th century: an annotated bibliography.

Moser, C. H.; Deborah Johnson v, 63p. (Center for Rural Manpower and Public Affairs, Michigan State University, East Lansing, 1973)

13. NAL Call No.: Z7961.M66

Woman and development: a selected bibliography.

Moody, E. J. 28p. (Africa Institute of South Africa, Pretoria, 1979)
Bibliography: p. 27-28.

14. NAL Call No.: HQ1240.5.D44W63 1992

Women and development: an annotated bibliography, 1990-1992. Abstracts on rural development in the tropics.

Koninklijk Instituut voor de Tropen. Information & Documentation. 206p. (Royal Tropical Institute, Dept. of Information and Documentation, Amsterdam, the Netherlands, 1992)

"Based on Abstracts on rural development in the tropics (volume 5, no. 1-volume 7, no. 4)."

15. NAL Call No.: Z7963.E18W6

Women and development: beyond the decade: guide to practical resource materials of the decade.

University of Guelph. Development Education Program. 34p. (Development Education Program, Centre for International Programs, University of Guelph, Guelph, Ont., 1986)

Cover title.

16. NAL Call No.: Z7961.B9

Women and world development: an annotated bibliography.

Buvinic, M. ix, 162p. (Overseas Development Council, Washington, 1976?)
Includes index.

17. NAL Call No.: Z733.N3A72 v.2, no.2

Women in agriculture.

Wiser, V. D. ed. ill.; 26p. (The Associates of the National Agricultural Library, Beltsville, Md., 1977)
Cover title. Includes bibliographies.

18. NAL Call No.: aZ5071.N3

Women in agriculture: 1979-July 1987.

Rafats, J. *Quick Bibliogr Ser (USDA Natl Agric Libr)* (88-09) 24p. (1987)
Updates QB 84-64.

19. NAL Call No.: HD6073.A29M35 1996

Women in agriculture: a guide to research.

Maman, M.; Tate, T. H. x, 298p. (Garland, New York, 1996)
Includes bibliographical references and indexes.

20. NAL Call No.: Z733.N3A72

Women in agriculture: a review of the literature. Publications as sources of information, history, sociology, economics, USA.

Fera, D. *Assoc NAL Today*. v.2(2): p.28-31. (1977 Sept.)
4 ref.

21. NAL Call No.: aZ5071.N3

Women in agriculture: January 1979-July 1991.

Gates, J. P. *Quick Bibliogr Ser (USDA Natl Agric Libr)* (91-150) 51p. (1991 Sept.)
Updates QB 89-38.

22. NAL Call No.: aZ5071.N3

Women in agriculture: January 1979-October 1988.

Rafats, J. *Quick Bibliogr Ser (USDA Natl Agric Libr)* (89-38) 29p. (1989 Mar.)
Updates QB 88-09.

23. NAL Call No.: aZ5071.N3

Women in agriculture: January 1985-July 1992.

Gates, J. P. *Quick Bibliogr Ser (USDA Natl Agric Libr.)* (92-56) 78p. (1992 Aug.)
Updates QB 91-150.

24. NAL Call No.: Z7963.E7W45

Women in American farming: a list of references.

Whitehead, V. B.; United States. Agriculture and Rural History Branch. 104 leaves (Agricultural History Center, University of California, Davis, Davis, Calif. 1987)"A cooperative project by the Agriculture and Rural History Branch, Agriculture and Economics Division, U.S. Department of Agriculture, and the Agricultural History Center"--Leaf [iii].

25. NAL Call No.: Z5074.E3C6 No.13

Women in rural society

Kestner, J. 6p. (Commonwealth Bureau of Agricultural Economics, Oxford, 1972)
Annotated Bibliography, no. 13

26. NAL Call No.: aZ5071.N3

Women's role in farming and agriculture.

Rafats, J. *Quick Bibliogr Ser (USDA Natl Agric Libr)* (84-64) 10p. (1984 Sept.)
Updates 83-05.

27. NAL Call No.: aZ5071.N3

Women's role in farming and agriculture, 1970-August 1982.

Skamay Meeks, A. *Quick Bibliogr Ser (USDA Natl Agric Libr)* (83-05) 24p. (1982 Nov.)
Bibliography.

Non-Print Media

28. NAL Call No.: Videocassette no.2522

The flame.

Young, D. & Dick Young Productions. (Heifer Project International, Little Rock, 1995).
1 videocassette (14 min., 27 sec.) .

29. NAL Call No.: Videocassette no.707

ICMRD overview; Mariculture; Role of women in fisheries development; Fishery resource management and utilization; Postharvest fishery technology.

International Center for Marine Resource Development. (The Center, Kingston, RI, 1989?).
1 videocassette (50 min.); VHS.

30. NAL Call No.: Audiocassette no.15

Insight on the innovators--the 6Ms required for success in farming.

Drache, H. H. M. & Brantley, B. (Bill Brantley & Assoc., W. Des Moines, Iowa , 1978).
1 sound cassette (37 min.): 1 7/8 ips, mono.

31. NAL Call No.: Videocassette no.2533

Kansas farm women: growing out of the tilth: a multi-image production.

Vagnetti, C. & Kansas Rural Center (United States, 1992).

"Sponsored by the Kansas Rural Center."; 1 videocassette (18 min., 35 sec.): sd., b&w.

32. NAL Call No.: Film 1923 1926

Program, Farmers' and Homemakers' Week at the Louisiana State University (New Campus) August 10-13, 1926.

Farmers' and Homemakers' Week at the Louisiana State University (New Campus) (1926: Baton Rouge, La.) 10; 1 folded sheet. (Division of Agricultural Extension, Louisiana State University and Agricultural and Mechanical College, Baton Rouge, La. 1926)

"Southwestern land-grant college library microreproduction project."

33. NAL Call No.: Videocassette no.11

Rural homemaking with Susan Hanson. Quilts [videorecording]. Quilts.

Hanson, S. (United States?, 198?).

1 videocassette (14 min., 22 sec.); Title on container: Rural homemaking. Quilting.

34. NAL Call No.: Audiocassette no.14

Supermates! the farm wife: key to success and happiness.

Drache, H. H. M. & Brantley, B. (Bill Brantley & Assoc., W. Des Moines, Iowa , 1982).
1 sound cassette (62 min.).

35. NAL Call No.: Audiocassette no.180

Woman to woman. 1989 NAE4-HA Annual Conference.

Stivers, W. & National Association of Extension 4 H Agents. Conference (Spectra Photo/Audio, Stacy, MN, 1989).

2 sound cassettes (ca. 180 min.); Presented at the 43rd Annual Conference of the National Association of Extension 4-H Agents, Mobile, Alabama, Nov. 5-9, 1989.

36. NAL Call No.: Videocassette no.81

Women in agriculture.

Wyvill, L. & United States. Dept. of Agriculture. (U.S. Dept. of Agriculture, Virginia, 1985).

Five part series sponsored by the U.S. Department of Agriculture. 1 videocassette (18 min.)

Internet Site

37. Gender, Agriculture and Rural Development.

Gender Studies in Agriculture and Rural Development, Wageningen Agricultural University.
Site includes "Bibliographies, Databases, and Publications" and "Internet Resource Links".

http://www.sls.wau.nl/crds/cent_gs.htm

Appendix A

Women in Agriculture and Rural Life, AGRICOLA Search Strategy

1 (women* or woman* or wife* or wives or (home maker*) or homemaker* or housewife* or housewives) in ti or de or id

2 ((female labor) or (female work*)) in ti or de or id

3 #1 or #2

4 (farm* or agricultur* or rural or ranch* or homestead* or plantation*) in ti or de or id

5 ((natural resource*) or land or garden* or livestock*) in ti or de or id

6 (forestry or horticultur* or veterinar* or entomolog* or botany or botanist* or or aquacultur* or cultivation) in ti or de or id

7 (scienc* near2 (animal or dairy or forest or plant or plants)) in ti or de or id

8 (plant near2 (collection or production or research or breed* or pathology)) in ti or de or id

9 (cc=a* [agriculture general] or cc=b500 [agricultural history and biography] or cc=c100 [agricultural education and training] or cc=e1* [agricultural economics-macroeconomics] or cc=e200 [farm organization and management - microeconomics] or cc=f* [plant science] or cc=j* [soil sciences] or cc=k* [forestry])
(Subject categories used 1980 to the present)

10 cc=0505 [general agriculture and rural sociology] or cc=10* [agricultural economics] or cc=25* [animal science] or cc=30* [veterinary medicine] or cc=35* [forestry] or cc=40* [plant science] or cc=50* [entomology] or cc=55* [agricultural engineering] or cc=60* [soil and water resource management] or cc=65* [general natural resources and environmental pollution] **(Subject categories used 1972-1979)**

11 #4 or #5 or #6 or #7 or #8 or #7 or #8 or #9 or #10

12 #3 and #12

13 (farmwom*) in ti or de or id

14 #12 or #13

15 #14 and la=english[English language]

Appendix D

Alternative Farming Systems Information Center

The Alternative Farming Systems Information Center (AFSIC) is one of several topic-oriented Information Centers at the National Agricultural Library (NAL). The Library, located in Beltsville, Maryland, is the foremost agricultural library in the world, and is one of four U.S. national libraries along with the Library of Congress, the National Library of Medicine, and the National Library of Education. AFSIC is supported, in part, by USDA's Sustainable Agriculture Research and Education (SARE) program.

AFSIC specializes in locating and accessing information related to non-conventional cropping systems including sustainable, organic, low-input, biodynamic, and regenerative agriculture. AFSIC also focuses on alternative crops, new uses for traditional crops, and crops grown for industrial production.

AFSIC staff create and publish Quick Bibliographies (QB), Special Reference Briefs (SRB) and Agri-Topics (AT). These publications focus on specific topics of current interest. Most AFSIC publications are available in ASCII text through this website under "AFSIC Publications". To obtain AFSIC publications on computer diskette, or in hardcopy (limited availability), please make requests by contacting the AFSIC office by phone, mail, or e-mail. A complete list/printable order form of all AFSIC publications and format availability is available under "List of AFSIC Publications".

Books, articles, and videocassettes cited in AFSIC bibliographic publications are not available directly from AFSIC. For information on how to obtain these materials, please read "NAL Document Delivery Information" listed on the AFSIC Homepage.

Specific topics not covered by AFSIC QB's, SRB's and AT's may be addressed, on request, by AFSIC reference staff through brief, complementary database searches.

For further information concerning the services and activities of the Center, contact:

[Alternative Farming Systems Information Center](#)

National Agricultural Library, Rm 304

10301 Baltimore Ave.

Beltsville MD 20705-2351

Telephone: **301/504-6559 or 301/504-5724**

FAX: **301/504-6409**

TDD/TTY: **301/504-6856**

E-mail: afsic@nal.usda.gov (use lower case letters only)

Appendix E

The Economic Research Service

The Economic Research Service (ERS) is one of four agencies in the Research, Education, and Economics (REE) Mission Area of the U.S. Department of Agriculture (USDA). ERS provides economic analysis on efficiency, efficacy, and equity issues related to agriculture, food, the environment, and rural development to improve public and private decision making.

For further information:

The ERS Information Center can help answer your questions concerning ERS products and services or refer you to a staff subject specialist. Call **202-694-5050** (8-5 ET, Monday-Friday) or

e-mail service@econ.ag.gov.

ERS's Website:

<http://www.econ.ag.gov>

Economic Research Service, USDA

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Washington, DC 20036-5831