

DOCUMENT RESUME

ED 378 003

RC 019 911

AUTHOR John, Patricia La Caille
 TITLE Information Access in Rural America: January 1980 - April 1994. Quick Bibliography Series: QB 94-39.
 INSTITUTION National Agricultural Library, Beltsville, MD.
 REPORT NO ISSN-1052-5378
 PUB DATE Jun 94
 NOTE 41p.; Updates ED 361 150.
 AVAILABLE FROM U.S. Department of Agriculture, National Agricultural Library, Public Services Division, Room 111, Beltsville, MD 20705-2351.
 PUB TYPE Reference Materials - Bibliographies (131)
 EDRS PRICE MF01/PC02 Plus Postage.
 DESCRIPTORS *Access to Information; Annotated Bibliographies; *Community Information Services; Delivery Systems; *Information Dissemination; *Information Needs; *Library Services; Public Libraries; Resource Materials; *Rural Areas; Rural Development; Rural Extension; Rural Sociology
 IDENTIFIERS *AGRICOLA

ABSTRACT

This bibliography contains 166 entries related to information access in rural communities. The entries were derived from the AGRICOLA database produced by the National Agricultural Library and include journal articles, books, conference papers, and government reports. Entries cover such topics as information centers, information needs, cooperative extension services, information services, libraries, program development, rural areas, rural development, rural communities, rural sociology, and rural libraries. Each entry contains title, author, publisher, publication date, journal or conference information (where appropriate), language, descriptors, and the National Agricultural Library call number. Some entries contain an abstract. Also included are indexes by author and subject and information about interlibrary loan from the National Agricultural Library. (LP)

 * Reproductions supplied by EDRS are the best that can be made *
 * from the original document. *

INTEREST NOTICE

The ERIC Facility has assigned this document for processing to:

RC

In our judgment, this document is also of interest to the Clearinghouses noted to the right. Indexing should reflect their special points of view.

IR

ED 378 003

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION
CENTER (ERIC)

- This document has been reproduced as received from the person or organization originating it
- Minor changes have been made to improve reproduction quality

• Points of view or opinions stated in this document do not necessarily represent official OERI position or policy

BEST COPY AVAILABLE

Bibliographies in the Quick Bibliography Series of the National Agricultural Library, are intended primarily for current awareness, and as the title of the series implies, are not indepth exhaustive bibliographies on any given subject. **However**, the citations are a substantial resource for recent investigations on a given topic. **They** also serve the purpose of bringing the literature of agriculture to the interested user who, in many cases, could not access it by any other means. The bibliographies are derived from computerized on-line searches of the AGRICOLA data base. Timeliness of topic and evidence of extensive interest are the selection criteria.

The author/searcher determines the purpose, length, and search strategy of the Quick Bibliography. Information regarding these is available upon request from the author/searcher.

Copies of this bibliography may be made or used for distribution without prior approval. The inclusion or omission of a particular publication or citation may not be construed as endorsement or disapproval.

To request a copy of a bibliography in this series, send the title, series number and self-addressed gummed label to:

U.S. Department of Agriculture
National Agricultural Library
Public Services Division, Room 111
Beltsville, Maryland 20705

Information Access in Rural America

January 1980 - April 1994

Quick Bibliography Series: QB 94-39
Updates QB 92-18

166 citations in English from AGRICOLA

Patricia La Calle John
Rural Information Center



National Agricultural Library Cataloging Record:

John, Patricia La Caille

Information access in rural America.

(Quick bibliography series ; 94-39)

1. Community information services--United States--Bibliography. 2. Rural libraries--United States--Bibliography. I. Title.
aZ5071.N3 no.94-39

Photocopy Warning:

NOTICE WARNING CONCERNING COPYRIGHT RESTRICTIONS

The copyright law of the United States (Title 17, United States Code) governs the making of photocopies or other reproductions of copyrighted material.

Under certain conditions specified in the law libraries and archives are authorized to furnish a photocopy or other reproduction. One of these specific conditions is that the photocopy or reproduction is not to be "used for any purpose other than private study, scholarship, or research." If a user makes a request for, or later uses, a photocopy or reproduction for purposes in excess of "fair use," that user may be liable for copyright infringement.

This institution reserves the right to refuse to accept a copying order if, in its judgement, fulfillment of the order would involve violation of copyright law.

37 C.F.R. §201.14

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact the USDA Office of Communications at (202) 720-5881 (voice) or (202) 720-7808 (TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call (202) 720-7327 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

Rural Information Center

National Agricultural Library
U.S. Department of Agriculture
Beltsville, Maryland 20705

The Rural Information Center (RIC) is a joint project of the Extension Service and the National Agricultural Library (NAL). RIC provides information and referral services to local government officials, community organizations, health professionals and organizations, cooperatives, libraries, businesses, and rural citizens working to maintain the vitality of America's rural areas. The Center combines the technical, subject-matter expertise of Extension's nationwide educational network with the information specialists and resources of the world's foremost agricultural library.

The Office of Rural Health Policy in the Department of Health and Human Services (DHHS) and the NAL jointly created a Rural Information Center Health Service (RICHS) as part of the RIC. RICHS collects and disseminates information on rural health issues, research findings related to rural health, and innovative approaches to the delivery of rural health care services.

SERVICES:

Provide customized information products to specific inquiries including assistance in economic revitalization issues; local government planning projects; rural health issues; funding sources; and other related issues for the purpose of monitoring the quality of rural life.

Process a broad array of general and funding information requests on such topics as:

- Successful strategies, models, and case studies of community development projects
- Small business attraction, retention, and expansion
- Tourism promotion and development
- Recycling programs
- Community water quality
- Technology transfer to rural areas
- Closures, restructuring and diversification of rural hospital and clinics
- Agricultural health and safety
- Health programs, services, personnel issues
- State initiatives concerning rural health delivery issues

Refer users to organizations or experts in the field who can provide additional information.

Perform brief database searches of requested topics on a complimentary basis.

Furnish bibliographies and Rural Information Center Publication Series titles.

Identify current USDA and DHHS research and Cooperative Extension Systems programs.

ACCESS:

*Telephone 1-800-633-7701 (nationwide) or 1-301-504-5547
*Mail Rural Information Center
National Agricultural Library, Room 304
Beltsville, MD 20705-2351

*Electronic Mail through INTERNET (RIC@NALUSDA.GOV)

*NAL Bulletin Board (RIC/RICHS Conference) 1-301-504-6510

Quick Bibliography Series



United States
Department of
Agriculture

National
Agricultural
Library

Public Services
Division

Beltsville, Maryland
20705

Document Delivery Services to Individuals

The National Agricultural Library (NAL) supplies agricultural materials not found elsewhere to other libraries.

Filling requests for materials readily available from other sources diverts NAL's resources and diminishes its ability to serve as a national source for agricultural and agriculturally related materials. Therefore, NAL is viewed as a library of last resort. Submit requests first to local or state library sources prior to sending to NAL. In the United States, possible sources are public libraries, land-grant university or other large research libraries within a state. In other countries submit requests through major university, national, or provincial institutions.

If the needed publications are not available from these sources, submit requests to NAL with a statement indicating their non-availability. Submit one request per page following the instructions for libraries below.

NAL's Document Delivery Service Information for the Library

The following information is provided to assist your librarian in obtaining the required materials.

Loan Service — Materials in NAL's collection are loaned only to other U.S. libraries. Requests for loans are made through local public, academic, or special libraries.

The following materials are not available for loan: serials (except USDA serials); rare, reference, and reserve books; microforms; and proceedings of conferences or symposia. Photocopy or microform of non-circulating publications may be purchased as described below.

Document Delivery Service — Photocopies of articles are available for a fee. Make requests through local public, academic, or special libraries. The library will submit a separate interlibrary loan form for each article or item requested. If the citation is from an NAL database (CAIN/AGRICOLA, *Bibliography of Agriculture*, or the NAL Catalog) and the call number is given, put that call number in the proper block on the request form. Willingness to pay charges must be indicated on the form. Include compliance with copyright law or a statement that the article is for "research purposes only" on the interlibrary loan form or letter. Requests cannot be processed without these statements.

Charges:

- Photocopy, hard copy of microfilm and microfiche — \$5.00 for the first 10 pages or fraction copied from a single article or publication. \$3.00 for each additional 10 pages or fraction.
- Duplication of NAL-owned microfilm — \$10.00 per reel.
- Duplication of NAL-owned microfiche — \$ 5.00 for the first fiche and \$.50 for each additional fiche per title.

Billing — Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Establishing a deposit account with NTIS is encouraged. **DO NOT SEND PREPAYMENT.**

Send Requests to:

USDA, National Agricultural Library
Document Delivery Services Branch, PhotoLab
10301 Baltimore Blvd., NAL Bldg.
Beltsville, Maryland 20705-2351

Contact the Head, Document Delivery Services Branch in writing, or by calling (301) 504-5755 with questions or comments about this policy.



National Agricultural Library



ELECTRONIC MAIL ACCESS FOR INTERLIBRARY LOAN (ILL) REQUESTS

The National Agricultural Library (NAL), Document Delivery Services Branch accepts ILL requests from libraries via several electronic services. All requests must comply with established routing and referral policies and procedures. The transmitting library will pay all fees incurred during the creation of requests and communication with NAL. A sample format for ILL requests is printed below along with a list of the required data/format elements.

ELECTRONIC MAIL - (Sample form below)

SYSTEM _____ ADDRESS CODE _____

INTERNET..... LENDING@NALUSDA.GOV
EASYLINK..... 62031265
ONTYME..... NAL/LB
TWX/TELEX..... Number is 710-828-0506 NAL LEND. This number may only be used for ILL requests.
FTS2000..... A12NALLEND
OCLC..... NAL's symbol AGL need only be entered once, but it must be the last entry in the Lender string. Requests from USDA and Federal libraries may contain AGL anywhere in the Lender String.

SAMPLE ELECTRONIC MAIL REQUEST

AG University/NAL ILLRQ 231 4/1/93 NEED BY: 6/1/93

Interlibrary Loan Department
Agriculture University
Heartland, IA 56789

Dr. Smith Faculty Ag School

Canadian Journal of Soil Science 1988 v 68(1): 17-27
DeJong, R. Comparison of two soil-water models under semi-arid growing conditions
Ver: AGRICOLA
Remarks: Not available at IU or in region.
NAL CA: 56.8 C162

Auth: C. Johnson CCL Maxcost: \$15.00

MORE

TELEFACSIMILE - Telephone number is 301-504-5675. NAL accepts ILL requests via telefacsimile. Requests should be created on standard ILL forms and then faxed to NAL. NAL does not fill requests via Fax at this time.

REQUIRED DATA ELEMENTS/FORMAT

1. Borrower's address must be in block format with at least two blank lines above and below so form may be used in window envelopes.
2. Provide complete citation including verification, etc.
3. Provide authorizing official's name (request will be rejected if not included).
4. Include statement of copyright compliance if applicable.
5. Indicate willingness to pay applicable charges.
6. Include NAL call number if available.

Contact the Document Delivery Services Branch at (301) 504-6503 if additional information is required.

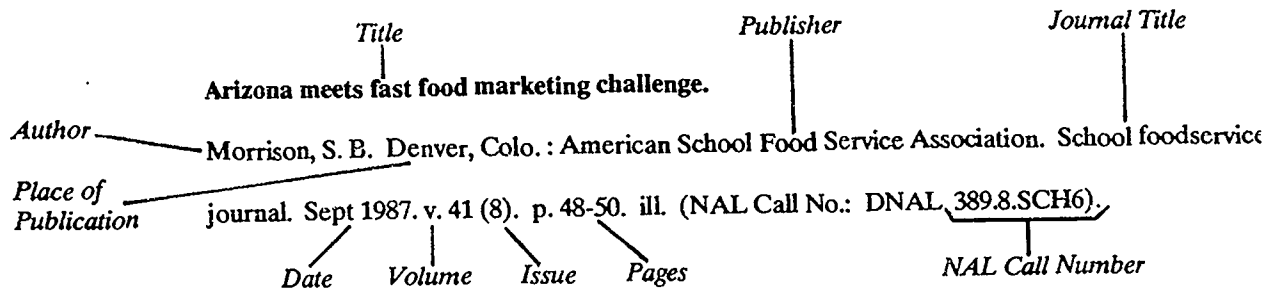
AGRICOLA

**Citations in this bibliography were
entered in the AGRICOLA
database between January 1979
and the present.**

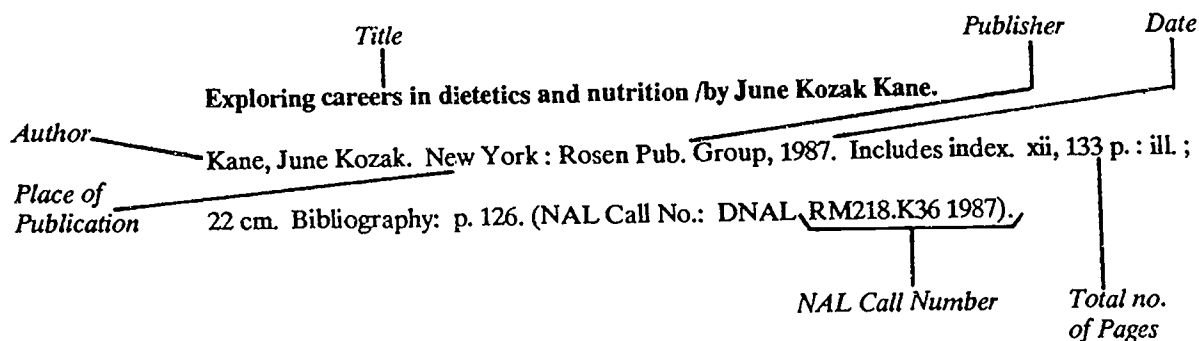
SAMPLE CITATIONS

Citations in this bibliography are from the National Agricultural Library's AGRICOLA database. An explanation of sample journal article, book, and audiovisual citations appears below.

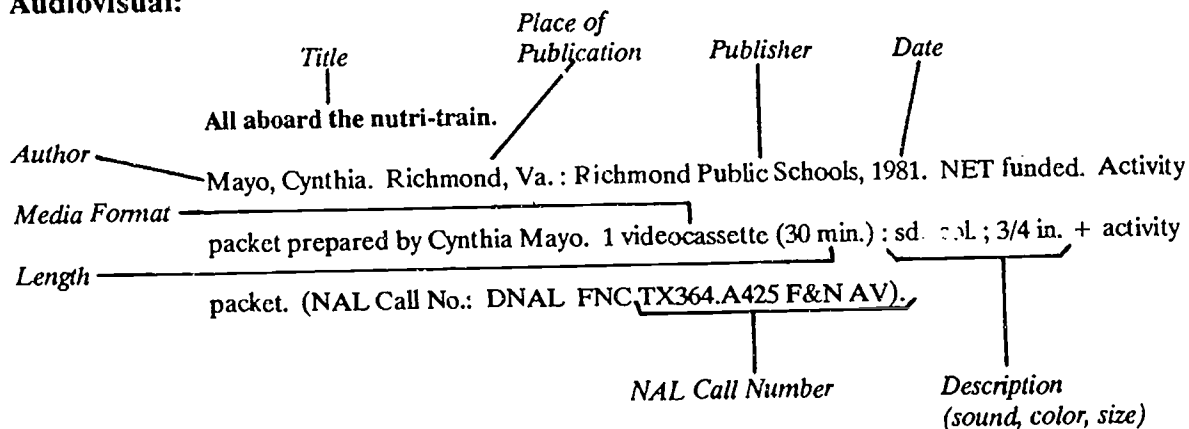
Journal Article:



Book:



Audiovisual:



Quick Bibliography Series

INFORMATION ACCESS IN RURAL AMERICA

SEARCH STRATEGY

Line Command

1. ss (rural or nonmetro?)/ti,de,eng
2. ss ((small) (1n) (town? or communit? or city or cities))/ti,de,eng
3. ss ((information) (w) (center? or service? or societ? or gap?))/ti,de,eng
4. ss (librar? or bookmobile? or book?(1n)mail or internet or community()network?)/ti,de,eng
5. ((information) (1n) (technolog? or telecommunicat? or delivery or access or flow? or need? or exchange? or age))/ti,de,eng
6. ss ((py = 1980:1983) or (py = 1984:1987))
7. ss py = 1988:1994
8. ss (s1 or s2)
9. ss (s3 or s4 or s5)
10. ss (s8 and s9)
11. ss s10 and (s6 or s7)
12. ss (s11 not develop?()countr? not Thailand not Zambia? not India not Africa? not Nigeria?)

Information Access in Rural America

- 1 NAL Call No: Z675.V7R8
Adolescent reading: a study of twelve rural Pennsylvania towns.
Willits, H.W.; Willits, F.K.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 10 (2): p. 61-70; 1990. Includes references.
Language: English
Descriptors: Pennsylvania; Adolescents; Reading; Libraries; Information services; Rural areas; Public services; Sex differences; Parents; Occupational status
- 2 NAL Call No: HT401.R94
Appalachia in the information age: a new chance for change?
Carter, M.V.; Osbourne, G.L.
University Park, Pa. : Rural Sociological Society.
The Rural sociologist v. 7 (1): p. 38-43; 1987 Jan. Includes references.
Language: English
Descriptors: U.S.A.; Rural areas; Diffusion of information; Economic impact; Poverty; Technical progress; Innovations; Literature reviews
- 3 NAL Call No: Z675.V7V38
Assessing the information needs of rural Americans.
Vavrek, Bernard
Clarion University of Pennsylvania, Center for the Study of Rural Librarianship
Clarion, Pa. : College of Library Science, Clarion University of Pennsylvania,
78 p. : ill. ; 28 cm. Includes bibliographical references (p. 38-41).
Language: English
Descriptors: Public libraries; Rural libraries
- 4 NAL Call No: Z678.88.V38
Assessing the information needs of rural Pennsylvanians. (Assessing rural information needs.)
Vavrek, Bernard
Clarion University of Pennsylvania, Center for the Study of Rural Librarianship
Clarion, Pa. : College of Library Science, Clarion University of Pennsylvania,
39 p. : ill. ; 28 cm. Cover title: Assessing rural information needs. Includes bibliographical references (p. 27-28).
Language: English
Descriptors: Kentucky; Rural areas; Libraries; Information dissemination; Funds; Usage
- 5 NAL Call No: Z680.3.A77 1988
Assessment checklist a guide to strengthen rural libraries in library cooperation.
Hendricks, J. Thom; Case, Robert N.,
North Dakota State Library
Bismarck, N.D. : North Dakota State Library,
24 p. ; 28 cm. This is a modification of the original checklist written by Robert N. Case in 1980. Presented at 80th Annual Conference National Rural Education Association.
Language: English
Descriptors: Library information networks; Library cooperation; North Dakota
- 6 NAL Call No: Z675.V7R8
Bookmobile service reexamined (Rural library services, Ohio).
Philip, J.J.
Clarion, Pa., Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 2 (1): p. 45-50; Winter 1982.
Descriptors: Ohio
- 7 NAL Call No: Z675.V7R8
Bookmobiles and books by mail: not an either or proposition (Rural America).
Caupp, N.
Clarion : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 3 (1): p. 43-60; 1983. Includes references.
Language: English
Descriptors: USA
- 8 NAL Call No: Z686.P83
Bookmobiles, the tradition in Kentucky.
Hellard, E.
Chicago, Ill. : Public Library Association.
Traditional & non-traditional delivery systems for remote areas : proc of the Public Library Assoc, Small and Medium-sized Libraries Section, Rural Library Services Comm, American Library Assoc Annual Conf, Los Angeles, 1983. p. 5-11; 1984.
Language: English
Descriptors: Kentucky; Rural areas; Libraries; Information dissemination; Funds; Usage

Quick Bibliography Series

9 NAL Call No: Z675.V7R464

Books-by-mail hints.

Hales, J.D.

Chicago, Ill. : Public Library Association.

Research and reality : library services to rural populations. p. 45-47; 1982.

Language: English

Descriptors: U.S.A.; Books; Information dissemination; Program development; Innovations; Rural areas; Catalogs

10 NAL Call No: KF27.G6629 1990b

Bringing the information age to rural America hearings before the Government Information, Justice, and Agriculture Subcommittee of the Committee on Government Operations, House of Representatives, One Hundred First Congress, first and second sessions, June 14; October 12, 1989; and February 7, 1990.

United States. Congress. House. Committee on Government Operations. Government Information, Justice, and Agriculture Subcommittee Washington [D.C.] : U.S. G.P.O. : For sale by the Supt. of Docs., Congressional Sales Office, U.S. G.P.O.; Y 4.G 74/7:In 3/23.

iv, 400 p. : ill. ; 24 cm. Distributed to some depository libraries in microfiche. Shipping list no.: 91-374-P. Includes bibliographical references.

Language: English

Descriptors: Rural telecommunication; Telecommunication policy

11 NAL Call No: Z675.V7R8

Calendar promotes reading and the rural library.

Riley, J.M.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 3 (2): p. 21-23; 1983.

Language: English

12 NAL Call No: Z675.V7R8

Challenges of the rural environment: implications for public libraries.

Heasley, D.K.; Price, D.A.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 8 (2): p. 7-29; 1988. Includes references.

Language: English

Descriptors: Pennsylvania; Libraries; Public services; Rural areas; Rural communities; Population dynamics; Information needs; Literacy

13 NAL Call No: Z675.V7R8

The changing dimensions of rural America: so what?

Heasley, D.K.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (2): p. 7-26; 1989. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania. Includes references.

Language: English

Descriptors: North eastern states of U.S.A.; Libraries; Rural areas; Information services; Trends

14 NAL Call No: 280.8 J822

Changing rural development data needs.

Bonnen, J.T.; Nelson, G.L.

Lexington, Ky., American Agricultural Economics Association.

American journal of agricultural economics v. 63 (2): p. 337-345; May 1981. 19 ref.

Descriptors: Rural population; Statistical data; Information collection; Rural development; Policy; Information needs

Abstract: Extract: It is the conclusion of this paper that the inadequacies of the rural data base are part of a complex problem of circular causation. The lack of coherence that characterizes the current data base is due to a lack of coherence in rural development policy itself. The specification of data needs and design always arise out of use.

15 NAL Call No: 280.8 J822

Changing rural development data needs: discussion.

Emerson, P.M.

Lexington, Ky., American Agricultural Economics Association.

American journal of agricultural economics v. 63 (2): p. 361-362; May 1981. 3 ref.

Descriptors: Rural population; Data; Information needs; Information collection

16 NAL Call No: Z675.V7R8

Clarion County information and referral: a rural

Information Access in Rural America

information center (Pennsylvania, procedures).
Head, P.A.

Clarion, Pa., Center for the Study of Rural
Librarianship, Clarion State College.

Rural libraries v. 2 (1): p. 27-36; Winter 1982.

Descriptors: Pennsylvania

17 NAL Call No: S451.M9M9
Closing the medical information gap between
rural communities (Montana Health Sciences In-
formation Network).

Northcutt, G.

Bozeman : The Service.

Focus on Montana agriculture - Cooperative Ex-
tension Service. Montana State University v. 5 (1):
p. 12-13. ill; Winter 1983.

Language: English

Descriptors: Montana

18 NAL Call No: Z675.V7R8
Communications, the future, and the rural public
library.

Bish, S.

Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion State College.

Rural libraries v. 3 (2): p. 25-35; 1983. Includes ref-
erences.

Language: English

19 NAL Call No: Z675.V7R8
Community development: the role of the rural li-
brarian.

Hershey, D.R.

Clarion, Penn., Center for the Study of Rural
Librarianship, School of Library Science, Clarion
State College.

Rural libraries v. 1 (1): p. 16-21; Winter 1980.

Language: English

20 NAL Call No: 243.8 W69
Community needs and the rural public library.

Dillman, D.

Bronx, N.Y. : H.W. Wilson Company.

Wilson library bulletin v. 65 (9): p. 31-33, 155-156;
1991 May. The National Agricultural Library no
longer receives the Wilson Library Bulletin.

Language: English

Descriptors: U.S.A.; Libraries; Rural communities;
Information needs; Community development

21 NAL Call No: S494.5.I47C66
Computer-based information systems and ser-
vices for rural America.

United States, Congress, House, Committee on
Agriculture, Subcommittee on Department Oper-
ations, Research and Foreign Agriculture
Washington, D.C.? : s.n., 1982?

20 leaves ; 28 cm. Cover title. May 19-20, 1982.

Bibliography: leaves 18-20.

Language: English

Descriptors: Agriculture; Information services;
United States; Information services; United States

22 NAL Call No: Z675.V7R8
Consulting to rural public libraries: a survey of
state library agencies.

Griffith, L.M.

Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion State College.

Rural libraries v. 8 (2): p. 62-90; 1988.

Language: English

Descriptors: U.S.A.; Libraries; Rural areas; States;
Surveys; Consultants

23 NAL Call No: Z675.V7R8
Cooperation and rural libraries.

Schmitt, J.

Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 10 (1): p. 7-29; 1990. Includes ref-
erences.

Language: English

Descriptors: U.S.A.; Cooperation; Libraries; Rural
areas; Networking

24 NAL Call No: HT401.R94
Cooperative extension at the beginning of the 21st
century.

Dillman, D.A.

University Park, Pa. : Rural Sociological Society.

The Rural sociologist v. 6 (2): p. 102-119; 1986
Mar. Includes references.

Language: English

Descriptors: U.S.A.; Cooperative extension service;
Fiscal policy; Extension activities; Rural communi-
ties; Information needs; Trends

25 NAL Call No: Z675.V7R8
Cooperative opportunities for rural libraries
(Services).

Quick Bibliography Series

Heddinger, L.

Clarion : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 3 (1): p. 61-73; 1983. Includes references.

Language: English

26 NAL Call No: QH540.I84
Data needs for rural planning.

Haines-Young, R.H.

Huntingdon : Institute of Terrestrial Ecology.
ITE symposium (21): p. 110-111; 1988. In the series analytic: Rural information for forward planning / edited by R.G.H. Bruce and C.J. Barr.

Language: English

Descriptors: Rural planning; Information needs; Data analysis; Skills

27 NAL Call No: Z675.V7R8
Day care: A new role for the rural public library?
Shilts, C.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 13 (1): p. 67-79; 1993. Includes references.

Language: English

Descriptors: U.S.A.; Child day care; Libraries; Rural communities

28 NAL Call No: Z675.V7R8
Developing a community information service in a rural setting (Public libraries).

Bish, S.

Clarion : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 3 (1): p. 25-42; 1983. Includes references.

Language: English

29 NAL Call No: 243.8 W69
Distance education, rural libraries, and personnel development.

Barron, D.

Bronx, N.Y. : H.W. Wilson Company.
Wilson library bulletin v. 65 (9): p. 46-47, 157; 1991 May. The National Agricultural Library no longer receives the Wilson Library Bulletin.

Language: English

Descriptors: U.S.A.; Libraries; Personnel; Educational programs; Teaching methods; Rural communities

unities

30 NAL Call No: Z675.V7R8
Distance education: the rural role of the urban library and information science program.

Mika, J.J.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 11 (2): p. 21-26; 1991.

Language: English

Descriptors: Michigan; Non-formal education; Distance teaching; Educational innovation; Libraries; Support systems; Roles; Rural areas

31 NAL Call No: 243.8 W69
Dynamics of future cooperation.

Ison, J.

Bronx, N.Y. : H.W. Wilson Company.
Wilson library bulletin v. 65 (9): p. 41-42, 157; 1991 May. The National Agricultural Library no longer receives the Wilson Library Bulletin.

Language: English

Descriptors: Libraries; Cooperation; Rural communities; Cooperatives

32 NAL Call No: Z675.V7R464
The effect of publisher's book promotion on rural library use of interlibrary loan.

Hennen, T.J. Jr

Chicago, Ill. : Public Library Association.
Research and reality : library services to rural populations. p. 49-57; 1982.

Language: English

Descriptors: Minnesota; Rural areas; Libraries; Usage; Publicity sales promotion; Loans; Networking; Public relations

33 NAL Call No: aHN90.C6R873
Electronic access to rural information: user's manual for the ALF bulletin board.

Brown, T.B.

Beltsville, Md. : The Center.
Rural Information Center publication series (27): 30 p.; 1993 May.

Language: English

Descriptors: U.S.A.; Information services; Rural development; Conferences; Usda; Libraries

34 NAL Call No: RA771.A1J68
Evaluation of medical center support for rural

Information Access in Rural America

physicians.

Cooper, J.K.; Johnson, T.P.
Burlington, Vt. : Journal of Rural Health.
The Journal of rural health v. 2 (2): p. 47-54; 1986
Jul. Includes references.

Language: English

Descriptors: Kentucky; Rural areas; Physicians;
Support systems; Information services; Newsletters;
Program evaluation

35 NAL Call No: Z686.P83
Forward: Traditional & non-traditional delivery
systems for remote areas.

DeGruyter, M.L.
Chicago, Ill. : Public Library Association.
Traditional & non-traditional delivery systems for
remote areas : proc of the Public Library Assoc,
Small and Medium-sized Libraries Section, Rural
Library Services Comm, American Library Assoc
Annual Conf, Los Angeles, 1983. p. 1-3; 1984.

Language: English

Descriptors: U.S.A.; Rural areas; Libraries; Technical
progress; Services; Information dissemination

36 NAL Call No: S3.A32
From adaptive research to farmer recommendations
and extension advice.

Byerlee, D.
Barking, Essex : Elsevier Applied Science.
Agricultural administration and extension v. 27 (4):
p. 231-244; 1987. Includes references.

Language: English

Descriptors: Agricultural production; Agricultural
research; Farmers' attitudes; Extension education;
Information flow; Technology transfers; Rural
development

37 NAL Call No: HT401.R94
From cow chips to computer chips: rural North
America in the information society.

Freudenburg, W.R.; Jones, T.R.
Ames, Iowa : Rural Sociological Society.
The Rural sociologist v. 4 (3): p. 168-170; 1984
May.

Language: English

Descriptors: North America; Rural sociology; Conferences;
Communication

38 NAL Call No: Z686.P83
From yesterday to tomorrow: an overview of

delivery systems for rural public libraries.

Owen, A.
Chicago, Ill. : Public Library Association.
Traditional & non-traditional delivery systems for
remote areas : proc of the Public Library Assoc,
Small and Medium-sized Libraries Section, Rural
Library Services Comm, American Library Assoc
Annual Conf, Los Angeles, 1983. p. 27-41; 1984.
Includes references.

Language: English

Descriptors: Colorado; Montana; Utah; Wyoming;
Rural areas; Libraries; Technical progress; Information
dissemination; Rural environment; Services;
Continuing education; Training; Program
development; Community programs

39 NAL Call No: 243.8 W69
The future of public libraries: extension of
remarks.

Vavrek, B.
Bronx, N.Y. : H.W. Wilson Company.
Wilson library bulletin v. 65 (9): p. 25-26, 154-155;
1991 May. The National Agricultural Library no
longer receives the Wilson Library Bulletin. Includes
references.

Language: English

Descriptors: Libraries; Rural communities; Economic
development; Personnel; Education

40 NAL Call No: Z675.V7R8
The future of rural libraries.

Vavrek, B.
Clarion, Pa., Center for the Study of Rural
Librarianship, Clarion State College.
Rural libraries v. 2 (1): p. 55-66; Winter 1982. 12
ref.

41 NAL Call No: 243.8 W69
Future staffing requirements: some considerations.

Busch, N.
Bronx, N.Y. : H.W. Wilson Company.
Wilson library bulletin v. 65 (9): p. 43-45; 1991
May. The National Agricultural Library no longer
receives the Wilson Library Bulletin. Includes
references.

Language: English

Descriptors: Libraries; Personnel; Rural communities;
Requirements

42 NAL Call No: Z679.5.G47

Quick Bibliography Series

Handbook for small, rural, and emerging public libraries.

Gervasi, Anne. Seibt, Betty Kay

Phoenix, AZ : Oryx Press,.

xii, 196 p. ; 23 cm. Includes bibliographies and index.

Language: English

Descriptors: Library planning; Handbooks, manuals, etc; Library administration; Handbooks, manuals, etc; Library science; Handbooks, manuals, etc; Public libraries; Handbooks, manuals, etc; Small libraries; Handbooks, manuals, etc; Rural libraries; Handbooks, manuals, etc

43 NAL Call No: Z675.V7R8

How RIC provides answers for rural america.

John, P.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 20,i.e.12 (2): p. 27-38; 1992. Includes references.

Language: English

Descriptors: U.S.A.; Information centers; Resource centers; Rural development; Economic development; Diffusion of information; Support systems

44 NAL Call No: Z675.V7R8

The implications of networking on school-public library cooperation in rural America.

Mautino, P.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (2): p. 11-36; Spring 1980.

Language: English

Descriptors: USA

45 NAL Call No: HD1755.A39 1988

Improving the socioeconomic data base: a discussion., 1st ed.

Hoffman, G.

Ames : Iowa State University Press.

Agriculture and rural areas approaching the twenty-first century : challenges for agricultural economics / edited by R.J. Hildreth ... [et al.]. p. 496-498; 1988. Paper presented at a conference on "Agriculture and Rural Areas Approaching the Twenty-first Century : Challenges for Agricultural Economics," August 7-9, Ames, Iowa.

Language: English

Descriptors: U.S.A.; Agricultural economics; Rural sociology; Income distribution; Data analysis; Databases; Information needs

46 NAL Call No: HV85.H85

Informal networks, volunteers and rural elders providing information to increase use of services.

Arnold, N.

Cheney, WA : Eastern Washington University.

Human services in the rural environment v. 15 (3): p. 18-20; 1992. Includes references.

Language: English

Descriptors: Elderly; Handicapped persons; Rural communities; Aging; Volunteers; Information services

47 NAL Call No: aZ5071.N3

Information access in rural America: January 1979-September 1991.

John, P.L.

Beltsville, Md. : The Library.

Quick bibliography series - U.S. Department of Agriculture, National Agricultural Library (U.S.). (92-18): 35 p.; 1992 Jan. Bibliography.

Language: English

Descriptors: U.S.A.; Information services; Information systems; Libraries; Telecommunications; Rural communities; Bibliographies

48 NAL Call No: Z675.V7R8

Information access in rural areas.

Wilkinson, K.P.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 11 (1): p. 53-66; 1991. Includes references.

Language: English

Descriptors: Information services; Information centers; Rural areas; Social costs; Space requirements

49 NAL Call No: HT401.S72

Information and education needs for a sustainable agriculture.

Ikerd, J.E.

Mississippi State, Miss. : The Center.

SRDC series - Southern Rural Development Center (131): p. 53-60; 1990 Jun. In the series analytic: Agricultural and Community Development Interface / edited by P.D. Warner and R. Campbell. Proceedings of Regional Workshop, October 8-11,

Information Access in Rural America

1989, Williamsburg, Virginia.

Language: English

Descriptors: Sustainability; Profitability; Rural communities; Economic development; Information needs; Education; Development policy

50 NAL Call No: S494.5.D3C68 1992
An information delivery system for rural assistive technology.

Freeman, S.A.; Field, W.E.

St. Joseph, Mich. : American Society of Agricultural Engineers.

Computers in agricultural extension programs : proceedings of the 4th international conference, 28-31 January 1992, Orlando, Florida / sponsored by the Florida Cooperative Extension Service, University of Florida. p. 489-494; 1992. (ASAE publication ; 1-92). Includes references.

Language: English

Descriptors: Diffusion of information; Rural areas; Support systems; Computer techniques

51 NAL Call No: Z675.V7R8
Information exchange and rural libraries.

Leadley, S.M.

Clarion, Pa., Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 2 (1): p. 15-26; Winter 1982. 1 ref.

52 NAL Call No: HT421.S63
Information flow in rural Minnesota.

Harmon, B.; Krile, J.F.

St. Paul, Minn. : The Service.

Sociology of rural life - Minnesota University, Agricultural Extension Service v. 8 (3): p. 3-4, 8; 1986.

Language: English

Descriptors: Minnesota; Rural communities; Information needs

53 NAL Call No: aHM141.C6 1984
Information for decision-making by rural public authorities.

Wellar, B.S.

Paris, France : Organization for Economic Cooperation and Development.

Local leadership and rural development : implications for research and extension : a Conference on "Local Leadership and Rural Development" held at Williamsburg, Va, April 15, 1984 / the OECD with the USDA and Va Ext Serv. p. 31-39. ill; 1984.

Language: English

Descriptors: U.S.A.; Rural planning; Information needs; Public authorities; Decision making; Capacity; Diversification; Support systems

54 NAL Call No: Audiocassette no.72
Information in rural America update & projections.

American Society for Information Science
Oakland, Calif. : Minute Tape International, Inc.,
1 sound cassette (25 min.) : 1 7/8 ips, mono. "Tape no. 84", label. "Philadelphia, Pa., October 1984 ; Special sessions ; 84", container.

Language: English

Descriptors: Rural libraries; United States; Farm life; United States; Community information services; United States; Communication in rural development; United States

55 NAL Call No: aHD1476.U5S2
Information needs relating to small-farm programs and policies.

Saupe, William E.

ESCS-EDD

Washington Economics, Statistics, and Cooperatives Service.

ii, 38 p. Report prepared for the Economics, Statistics, and Cooperatives Service under contract no. 53-319S-9-02658. ESCS Staff Report. Issued July 1980. Bibliography: p. 31-38. For limited distribution.

Language: English

Descriptors: Farms, Small; United States; Rural poor

56 NAL Call No: HD77.5.U5N37 1987
Information technologies and rural development in the 1990s.

Dillman, D.A.; Beck, D.M.

Lexington, KY : Council of State Governments.

States' agenda for rural economic development : proceedings of the first National Conference on States' Rural Economic Development held in Lexington, Kentucky, October 5-7, 1987. p. 37-48. ill; 1988. Includes references.

Language: English

Descriptors: U.S.A.; Rural development; Information systems; Socioeconomic organization; Trends; Technical progress; Rural environment; Comput-

Quick Bibliography Series

ers; Infrastructure; Telecommunications; Human resources; Resource development

57 NAL Call No: HN90.C6S9 1987
Information technologies and rural development in the 1990s.

Dillman, D.A.; Beck, D.M.

S.I. : The Council?, 1987? :

Proceedings, Symposium on the Rural Great Plains of the Future ; November 3-5, 1987, Denver, Colorado / sponsored by Great Plains Agricultural Council ... [et al.]. p. 275-320. ill; 1987. Includes references.

Language: English

Descriptors: U.S.A.; Rural development; Technical progress; Information systems; Innovation adoption; Structural change; Rural communities; Information needs; Information sources; Information dissemination

58 NAL Call No: 275.28 J82
Instant health info: the telephone connection.

Epstein, B.

Madison : Extension Journal.

Journal of extension v. 23: p. 16-18; 1985. Includes references.

Language: English

Descriptors: Arizona; Health services; Information services; Rural areas; Telephones; Extension activities

59 NAL Call No: 325.28 P56
Interfacing geographic information systems and remote sensing for rural land-use analysis.

Nellis, M.D.; Lulla, K.; Jensen, J.

Bethesda, Md. : American Society of Photogrammetry and Remote Sensing.

Photogrammetric engineering and remote sensing v. 56 (3): p. 329-331. ill; 1990 Mar. Includes references.

Language: English

Descriptors: U.S.A.; Land use; Rural areas; Analysis; Sampling techniques; Agricultural land; Mapping; Land productivity; Irrigated farming; Water management; Remote sensing; Geography; Information services

60 NAL Call No: Z675.V7R8
The Intermountain Community Learning Information Services Project: a participants view.

Vasey, B.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (2): p. 105-107; 1989. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania.

Language: English

Descriptors: U.S.A.; Libraries; Universities; Information services; Rural areas; Educational programs; Adult education; Program evaluation

61 NAL Call No: HD5710.85.U5D5
Is being rural a barrier to job creation in the information age?

Dillman, Don A.; Beck, Donald M.; Allen, John C., 1942-; Beck, Donald M.; Allen, John C., 1988.

25 leaves : ill. ; 28 cm. Caption title. November 1988. Bibliography: leaves 24-25.

Language: English

Descriptors: Manpower policy, Rural; United States; Rural development; United States

62 NAL Call No: aZ675.V7J6
Joint congressional hearing on the changing information needs of rural America the role of libraries and information technology : July 21, 1982. (Changing information needs of rural America Role of libraries and information technology.)

United States, Dept. of Agriculture, United States, National Commission on Libraries and Information Science, United States, Congress, Senate, Committee on Agriculture, Nutrition, and Forestry, Subcommittee on Rural Development, Oversight, and Investigations, United States, Congress, House, Committee on Agriculture, Subcommittee on Department Operations, Research, and Foreign Agriculture
Washington, D.C. : U.S. Dept. of Agriculture : National Commission on Libraries and Information Science,

ix, 83 p. : ill., forms ; 28 cm. Cover title. Hearings cochaired by Senator Mark Andrews, chairman of the Senate Subcommittee on Rural Development, Oversight, and Investigations; and Representative George E. Brown, Jr., chairman of the House Subc. Issued August 1984. Includes bibliographical references.

Information Access in Rural America

Language: English

Descriptors: Rural libraries; United States; Community information services; United States; Federal aid to libraries; United States; Information services; United States

63 **NAL Call No: Z675.V7R8**
Kids are the issue: rural libraries and children's services.

Sheller, B.

Clarion : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 3 (1): p. 95-111; 1983. Includes references.

Language: English

64 **NAL Call No: Z675.V7R8**
Knowledge of rural characteristics: key to rural library services.

Jaugstetter, M.

Clarion : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 3 (1): p. 1-11; 1983. Includes references.

Language: English

65 **NAL Call No: 325.28 P56**
Landscape changes in nine rural counties in Georgia.

Turner, M.G.

Bethesda, Md. : American Society of Photogrammetry and Remote Sensing.

Photogrammetric engineering and remote sensing v. 56 (3): p. 379-386. maps; 1990 Mar. Includes references.

Language: English

Descriptors: Georgia; Rural areas; Land use; Vegetation; Changes; Aerial photography; Remote sensing; Agricultural land; Forests; Geography; Information services; Ecology

66 **NAL Call No: Z675.V7R8**
Leisure reading or information center. What is the library's role?

Reynolds, D.B. Jr

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 11 (1): p. 7-23; 1991. Includes references.

Language: English

Descriptors: Libraries; Roles; Rural communities; Diffusion of information

67 **NAL Call No: Z675.V7R8**
Library continuing education needs in Kansas: the rural perspective.

Starke, N.A.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 8 (1): p. 39-70; 1988. Includes references.

Language: English

Descriptors: Kansas; Libraries; Continuing education; Librarianship; Educational planning; Needs assessment

68 **NAL Call No: Z719.L5**
Library cooperation for rural libraries a basic bibliography.

Hendricks, J. Thom

National Rural Education Association (U.S.), Conference 1988 : Bismarck, N.D.

Bismarck, N.D. : North Dakota State Library? 1988?

7 p. ; 28 cm. Cover title. Presented at: 80th Annual Conference, National Rural Education Association, September 24-25, 1988, Bismarck, North Dakota.

Language: English

Descriptors: Library cooperation

69 **NAL Call No: Z675.V7H4**
Library services to farmers.

Hennen, Thomas J.

American Library Trustee Association.

Chicago American Library Trustee Association, American Library Association.

5, (1) p. ; 28 cm. (ALTA publication no. 3). Caption title. Bibliography: p. (6).

Language: English

Descriptors: Rural libraries; United States

70 **NAL Call No: Z675.V7R8**
The library's collection and the rural community: some possibilities.

LaClair, C.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 8 (2): p. 30-61; 1988. Includes references.

Quick Bibliography Series

Language: English

Descriptors: Libraries; Rural communities; Information needs; Public services

71 **NAL Call No: Z675.V7R8**
A lifetime of learning (Includes rural library service, Pennsylvania).

Albrecht, L.K.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (1): p. 73-83; Winter 1980. 5 ref.

Language: English

Descriptors: Pennsylvania

72 **NAL Call No: 243.8 W69**
Looking at rural libraries through rose-colored glasses.

Houlahan, J.

Bronx, N.Y. : H.W. Wilson Company.

Wilson library bulletin v. 65 (9): p. 36-38, 156; 1991 May. The National Agricultural Library no longer receives the Wilson Library Bulletin. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Rural communities; Trends; Projections

73 **NAL Call No: Z675.V7R8**
Making the rural library part of the community.

Ruccio, N.C.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (1): p. 57-72; Winter 1980.

Language: English

74 **NAL Call No: Z675.V7R8**
Materials grants for California's rural libraries.

Amenò, J.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 8 (1): p. 19-24; 1988. Includes statistical data.

Language: English

Descriptors: California; Libraries; Rural areas; Materials; Grants; Fiscal policy; State government

75

NAL Call No: HT421.S63

More TV and radio, fewer newspapers: Are rural areas left behind in the age of information?

Donohue, G.A.; Olien, C.N.; Tichenor, P.J.

St. Paul, Minn. : The Service.

Sociology of rural life - Minnesota University, Agricultural Extension Service v. 9 (4): p. 1-2, 7-8; 1987-1988. Includes references.

Language: English

Descriptors: Minnesota; Rural development; Information needs; Newspapers; Television; Radio; Structural change; Rural urban relations; Information dissemination

76

NAL Call No: Z675.V7R464

The national rural libraries reference survey: a preliminary report.

Head, J.W.

Chicago, Ill. : Public Library Association.

Research and reality : library services to rural populations. p. 19-23; 1982.

Language: English

Descriptors: U.S.A.; Rural areas; Libraries; Reference works; Services; National surveys; Isolation; Technical progress; Information dissemination; Usage

77

NAL Call No: Z675.V7R8

"New history" in the countryside: material culture, local history, and the role of the rural library.

Sims, S.R.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (3): p. 1-9; Summer 1980.

Language: English

78

NAL Call No: Z686.P83

Non-traditional delivery systems for geographically remote areas.

Engen, R.B.

Chicago, Ill. : Public Library Association.

Traditional & non-traditional delivery systems for remote areas : proc of the Public Library Assoc, Small and Medium-sized Libraries Section, Rural Library Services Comm, American Library Assoc Annual Conf, Los Angeles, 1983. p. 13-25; 1984.

Language: English

Descriptors: Alaska; Rural areas; Libraries; Isolation; Services; Networking; Information dissemination; Satellites; Technical progress

Information Access in Rural America

- 79 **NAL Call No: Z675.V7R8**
OCLC and rural library service.
Walters, C.R.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (2): p. 69-83; 1988. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania.
- Language: English*
- Descriptors: U.S.A.; Information services; Libraries; Rural areas; Information needs; Support systems*
- 80 **NAL Call No: Z675.V7R464**
Opening remarks: Research and reality, laboratory service to rural populations.
Houlahan, J.
Chicago, Ill. : Public Library Association. Research and reality : library services to rural populations. p. 1-2; 1982.
- Language: English*
- Descriptors: U.S.A.; Rural areas; Libraries; Research; Services; Information dissemination; Roles*
- 81 **NAL Call No: Z675.V7R8**
Outhouse displays: a rural library bonanza (Public relations).
Tourtilotte, M.
Clarion : Center for the Study of Rural Librarianship, Clarion State College. Rural libraries v. 3 (1): p. 13-23; 1983. Includes references.
- Language: English*
- 82 **NAL Call No: aHN90.C6I53 1990**
Overview of the Rural Information Center.
John, P.L.
Beltsville, Md. : Rural Info. Center & Assoc. of the National Agricultural Library?, 1990? : Information delivery to rural America : proceedings, April 24-26, 1990, Beltsville, Maryland / Dorothy A. Heise, ed. ; jointly sponsored by the Rural Information Center & the Assoc. of the National Agricultural Library. p. 5-12; 1990. Paper presented at the conference "Information delivery to rural America," April 24-26, 1990, Beltsville, Maryland.

Language: English

Descriptors: U.S.A.; Information centers; Program development; Usda; Federal programs; Rural development; Information needs; Diffusion of information; Libraries

- 83 **NAL Call No: 243.8 W69**
Planning for community change and the librarian's role.
Heasley, D.
Bronx, N.Y. : H.W. Wilson Company. Wilson library bulletin v. 65 (9): p. 34-35, 156; 1991 May. The National Agricultural Library no longer receives the Wilson Library Bulletin. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Personnel; Rural communities; Community development; Models; Local planning

- 84 **NAL Call No: Z675.V7R8**
Planning for rural library service.
Ruccio, N.C.
Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College. Rural libraries v. 1 (3): p. 53-59. ill; Summer 1980.

Language: English

- 85 **NAL Call No: Z675.V7R8**
Planning multitype services in a rural environment.
Stephens, A.K.; Wright, K.D.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 10 (2): p. 25-44; 1990. Includes references.

Language: English

Descriptors: Alabama; Libraries; Information services; Rural environment; Needs assessment; Program development

- 86 **NAL Call No: Z675.V7R8**
The planning process, is it for me? (Rural libraries, services).
Ruccio, N.C.
Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College. Rural libraries v. 1 (4): p. 45-87; Fall 1980.

Quick Bibliography Series

- 87** **NAL Call No: Z675.V7R8**
"Please, no sales person" or survey of audiovisual material in rural libraries.
 Emert, A.A.
 Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (1): p. 61-83; 1989. Includes references.
Language: English
Descriptors: U.S.A.; Audiovisual aids; Libraries; Rural areas; Surveys; Funds; Facilities; Availability
- 88** **NAL Call No: HD256.L362**
A policy forum: information needs in the urbanization of rural land.
 Hiemstra, H.
 Washington, D.C. : The Farm Foundation in cooperation with ERS, USDA.
 Land use transition in urbanizing areas : research and information needs / edited by Ralph Heimlich. p. 115-125; 1989. Paper presented at a workshop sponsored by the Economic Research Service, USDA and the Farm Foundation, June 6-7, 1988, Washington, DC.
Language: English
Descriptors: U.S.A.; Agricultural land; Land policy; Urbanization; Information needs; Local government
- 89** **NAL Call No: Z675.V7R8**
The political process in rural america (Public libraries).
 Speer, R.
 Clarion : Center for the Study of Rural Librarianship, Clarion State College.
 Rural libraries v. 2 (2): p. 1-27; 1982. 50 ref.
Language: English
Descriptors: USA
- 90** **NAL Call No: Z675.V7R464**
Preface: Research and reality, library services to rural populations.
 Weech, T.L.
 Chicago, Ill. : Public Library Association.
 Research and reality : library services to rural populations. p. i-iii; 1982.
Language: English
Descriptors: U.S.A.; Rural areas; Libraries; Research; Services; Information dissemination
- 91** **NAL Call No: Z686.P83**
Preface: Traditional & non-traditional delivery systems for remote areas.
 Coffindaffer, C.L.
 Chicago, Ill. : Public Library Association.
 Traditional & non-traditional delivery systems for remote areas : proc of the Public Library Assoc, Small and Medium-sized Libraries Section, Rural Library Services Comm, American Library Assoc Annual Conf, Los Angeles, 1983. p. i.; 1984.
Language: English
Descriptors: U.S.A.; Rural areas; Libraries; Technical progress; Telecommunications; Television
- 92** **NAL Call No: Z675.V7R8**
A preliminary survey of library board trustees from four libraries in Pennsylvania.
 Lynch, T.P.
 Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.
 Rural libraries v. 7 (2): p. 61-97; 1987. Includes references.
Language: English
Descriptors: Pennsylvania; Libraries; Surveys; Managers; Rural areas
- 93** **NAL Call No: HN79.A14R87**
Project to fill rural information gap.
 Korsching, P.
 Ames, Iowa : North Central Regional Center for Rural Development.
 Rural development news v. 12 (3): p. 15. ill; 1988 Jul.
Language: English
Descriptors: U.S.A.; Rural development; Social change; Farm families; Information dissemination; Community development
- 94** **NAL Call No: Z675.V7R8**
Public awareness in rural libraries.
 McMorran, C.E.
 Clarion, Pa., Center for the Study of Rural Librarianship, Clarion State College.
 Rural libraries v. 2 (1): p. 51-53; Winter 1982.
- 95** **NAL Call No: Z675.V7R8**
Public relations and the rural library: a bibliography.
 Quadri, N.
 Clarion : Center for the Study of Rural Librarianship

Information Access in Rural America

ship, Clarion State College.
Rural libraries v. 2 (2): p. 103-124; 1982.

Language: English

96 NAL Call No: Z675.V7R8
Public-school library cooperation in rural America, a view from the state level.

Brumback, E.L.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (2): p. 37-47; Spring 1980.

Language: English

Descriptors: USA

97 NAL Call No: Z675.V7R8
The realities of collection building in the rural public library.

Goodger-Hill, C.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 8 (1): p. 25-31; 1988.

Language: English

Descriptors: Rural areas; Libraries; Collections; Development; Fiscal policy

98 NAL Call No: Z675.C8V38
Reference service in rural public libraries.

Vavrek, Bernard

Clarion State College, Center for the Study of Rural Librarianship.

Clarion, Pa. School of Library Science, Center for the Study of Rural Librarianship, Clarion State College.

i, 68 p. : ill. ; 28 cm. November 15, 1982. Bibliography: p. 58-60.

Language: English

Descriptors: Rural libraries; United States; Public libraries; United States; Reference services; Information services; United States; Library surveys; United States

99 NAL Call No: Z675.V7R464
Research & reality: comments on the three research papers.

Hales, J.D. Jr

Chicago, Ill. : Public Library Association.

Research and reality : library services to rural populations. p. 41-44; 1982.

Language: English

Descriptors: U.S.A.; Rural areas; Libraries; Information needs; Needs assessment

100 NAL Call No: Z675.V7R464
Research and reality library services to rural populations.

Public Library Association, Public Library Association, Rural Library Services Committee, American Library Association, Conference 1982 : Philadelphia, Pa.)

Chicago, Ill. : Public Library Association, ii, 57 p. ; 28 cm. Cover title. Proceedings of the Public Library Association, Small [and] Medium-sized Libraries Section, Rural Library Services Committee, American Library Association Annual Conference, Philadelphia, 1982. Includes bibliographies.

Language: English

Descriptors: Rural libraries; Congresses

101 NAL Call No: aZ733.N3A54
RIC assists rural economic development.

John, P.L.

Beltsville, Md. : The Library.

Agricultural libraries information notes - National Agricultural Library (U.S.), Science and Education Administration, U.S. Department of Agriculture v. 15 (5): p. 9-10. ill; 1989 May.

Language: English

Descriptors: U.S.A.; Libraries; Networking; Rural development; Support measures; Information services

102 NAL Call No: aZ733.N3A54
RIC completes first year.

Beltsville, Md. : The Library.

Agricultural libraries information notes - National Agricultural Library (U.S.), Science and Education Administration, U.S. Department of Agriculture v. 15 (1): p. 4-5. ill; 1989 Jan.

Language: English

Descriptors: Maryland; Rural communities; Information centers; Usda; Conferences; Cooperative extension service

103 NAL Call No: HN90.C6R73
Rural America at the crossroads networking for the future.

United States, Congress, Office of Technology Assessment

Quick Bibliography Series

Washington, D.C. : Congress of the U.S., Office of Technology Assessment : For sale by the Supt. of Docs., U.S. G.P.O.,

vii, 190 p. : ill., maps ; 26 cm. "April 1991", P. [4] of cover. "OTA-TCT-471", P. [4] of cover. Includes bibliographical references and index.

Language: English

Descriptors: United States; Rural conditions; Rural development; Rural telecommunication; Information networks

104 NAL Call No: HN90.C6R842
Rural America at the crossroads networking for the future : summary.

United States, Congress, Office of Technology Assessment

Washington, D.C. : Congress of the U.S., Office of Technology Assessment : For sale by the Supt. of Docs., U.S. G.P.O.; Y 3.T 22/2:2 Am 3/3/sum.

vi, 30 p. : ill. ; 26 cm. "April 1991", P. [4] of cover. "OTA-TCT-472", P. [4] of cover. Includes bibliographical references.

Language: English

Descriptors: United States; Rural conditions; Rural development; Telecommunication; Information networks

105 NAL Call No: HN90.C6R75
Rural America in the information age telecommunications policy for rural development.

Parker, Edwin B.

Lanham, MD : Aspen Institute ; University Press of America,

xvi, 170 p. : ill., maps ; 24 cm. Includes bibliographical references (p. 167-170).

Language: English

Descriptors: Rural development; United States; Rural telecommunication; United States

106 NAL Call No: Z675.C8R8
Rural and small library services newsletter.

Clarion University of Pennsylvania, Center for the Study of Rural Librarianship

Clarion, PA : Center for the Study of Rural Librarianship, College of Library Science, Clarion University of Pennsylvania, 1990-

v. ; 29 cm. Caption title.

Language: English

Descriptors: Rural libraries; Public libraries

107 NAL Call No: aHN90.C6R78
Rural barriers to job creation remain, even in today's information age.

Dillman, D.A.; Beck, D.M.; Allen, J.C.

Washington, D.C. : U.S. Department of Agriculture, Economic Research Service.

Rural development perspectives : RDP v. 5 (2): p. 21-27. maps; 1989 Feb.

Language: English

Descriptors: U.S.A.; Information flow; Rural economy; Employment opportunities; Information services; Telecommunications; Infrastructure; Structural change; Rural development; Technical progress

108 NAL Call No: Z686.R82
The Rural bookmobile going strong after eighty years : conference proceedings.

Vavrek, Bernard; Pratt, Mary Lou

Clarion University of Pennsylvania, Center for the Study of Rural Librarianship, State Library of Ohio Clarion, Pa.? : Center for the Study of Rural Librarianship, College of Library Science, Clarion University of Pennsylvania in cooperation with the State Library of Ohio,

121 p. ; 27 cm. Proceedings of a conference, "The Rural Bookmobile: Going Strong After Eighty Years," held in Columbus, Ohio, on June 19-21, 1985.

Language: English

Descriptors: Rural libraries; Congresses; Bookmobiles; Congresses

109 NAL Call No: Z686.R8
The Rural bookmobile quality as a basic ingredient : conference proceedings.

Vavrek, Bernard; Pratt, Mary Lou

Rural Bookmobile Conference 2nd : 1986 : Columbus, Ohio.

Clarion, Pa.? : Center for the Study of Rural Librarianship, College of Library Science, Clarion University of Pennsylvania in cooperation with the State Library of Ohio,

160 p. ; 28 cm. "... Second Annual Rural Bookmobile Conference: quality as a basic ingredient held in Columbus, Ohio, on June 18-20, 1986", Pref.

Language: English

Descriptors: Bookmobiles; Congresses; Rural libraries; Congresses

Information Access in Rural America

- 110** NAL Call No: Z675.V7R8
Rural campaign on illiteracy: the region, the technical institutes and the libraries.
Klevar, G.; Smith, M.A.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 8 (1): p. 33-38; 1988.
Language: English
Descriptors: U.S.A.; Libraries; Rural areas; Literacy; Adult learning
- 111** NAL Call No: HC106.8.E25
Rural economic development using information age technology: some directions for practitioners.
Allen, J.C.; Johnson, B.B.; Leistriz, F.L.
Rosemont, IL : American Economic Development Council.
Economic development review v. 11 (4): p. 30-33, 1993. Includes references.
Language: English
Descriptors: U.S.A.; Cabt; Rural development; Economic development; Telecommunications; Technology; Information
- 112** NAL Call No: Z675.V7R8
The rural environments effects on library service: a consultants perspective.
Hanks, G.C.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 10 (2): p. 7-23; 1990. Includes references.
Language: English
Descriptors: U.S.A.; Libraries; Information services; Rural environment; Rural depopulation; Age differences; Academic achievement; Poverty; Rural sociology; Rural communities
- 113** NAL Call No: Z675.V7R8
The rural family and its implications for librarians (Library service).
Girvan, R.B.
Clarion : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 2 (2): p. 45-51; 1982. 8 ref.
Language: English
- 114** NAL Call No: HT401.R94
The Rural Information Center.
John, P.L.
University Park, Pa. : Rural Sociological Society.
The Rural sociologist v. 8 (2): p. 185-186; 1988 Apr.
Language: English
Descriptors: U.S.A.; Rural communities; Information centers; Information systems; Extension activities; Usda; Libraries
- 115** NAL Call No: Z675.V7R8
The Rural Information Center.
John, P.L.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 9 (2): p. 61-67; 1989. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania.
Language: English
Descriptors: U.S.A.; Information centers; Rural development; Libraries; Information services; Cooperative extension service; Partnerships
- 116** NAL Call No: 243.8 W69
The Rural Information Center.
Frank, R.; John. P.
Bronx, N.Y. : H.W. Wilson Company.
Wilson Library bulletin v. 63 (9): p. 40-43. ill; 1989 May. This publication is no longer received by the National Agricultural Library.
Language: English
Descriptors: U.S.A.; Rural development; Libraries; AgRicola; Information services; Cooperative extension service; Prototypes; Networking; Partnerships; Information systems
- 117** NAL Call No: aZ733.N3A54
Rural information center.
Beltsville, Md. : The Library.
Agricultural libraries information notes - National Agricultural Library (U.S.), Science and Education Administration, U.S. Department of Agriculture v. 14 (3): p. 1-7. ill; 1988 Mar. Includes references.
Language: English
Descriptors: U.S.A.; Rural planning; Information centers; Information dissemination; Trends; AgRicola
- 118** NAL Call No: 1.98 AG84

Quick Bibliography Series

Rural Information Center.
Washington, D.C. : The Administration.
Agricultural research - U.S. Department of
Agriculture, Agricultural Research Service v. 36
(2): p. 13; 1988 Feb.

Language: English

Descriptors: Rural areas; Information centers; Ex-
tension activities; Usda

119 NAL Call No: Z675.V7R8
**The Rural Information Center: information needs
for local rural officials.**

John, P.L.
Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 9 (2): p. 31-36; 1989. Paper pre-
sented at a conference "Information and Rural
Economic Development," jointly sponsored by the
Center for the Study of Rural Librarianship and
the National Agricultural Library, May 4-6, 1988,
Clarion, Pennsylvania.

Language: English

Descriptors: U.S.A.; Rural development; Libraries;
Information needs; Information centers; Coopera-
tive extension service; Networking; Partnerships;
AgRicola

120 NAL Call No: HD2346.U5R8
**Rural Information Center provides help for local
officials.**

Menomonee Falls, Wis. : The Journal.
Rural enterprise v. 3 (1): p. 30; 1989.

Language: English

Descriptors: U.S.A.; Rural development; Informa-
tion dissemination; Information centers; Usda; Ex-
tension activities

121 NAL Call No: HC106.8.E25
**The Rural Information Center: A resource for
economic development.**

Nakazawa, A.T.; John, L.P.
Rosemont, IL : American Economic Development
Council.
Economic development review v. 11 (2): p. 62-64;
1993. Includes references.

Language: English

Descriptors: U.S.A.; Information centers; Rural de-
velopment; Usda; Information services; Economic
development

122 NAL Call No: Z675.V7R8
**The Rural Information Center's first year on the
National scene.**

John, P.
Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 11 (1): p. 43-51; 1991.

Language: English

Descriptors: Maryland; Information centers; Rural
development; Rural welfare; Rural planning; Li-
braries; Usda; Extension

123 NAL Call No: Audiocassette no.73
**The rural information market American Society
for Information Science.**

American Society for Information Service
Oakland, Calif. : Minute Tape International, Inc.,
1 sound cassette (46 min) : 1 7/8 ips, mono. "Tape
no. 122", label. "Philadelphia, Pa., October 1984 ;
SIG sessions ; 122", container.

Language: English

Descriptors: Rural conditions; United States; Farm
life; United States; Community information ser-
vices; United States; Communication in rural de-
velopment; United States

124 NAL Call No: Z675.V7R8
Rural information needs.

Fowler, D.
Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 9 (2): p. 27-30; 1989. Paper pre-
sented at a conference "Information and Rural
Economic Development," jointly sponsored by the
Center for the Study of Rural Librarianship and
the National Agricultural Library, May 4-6, 1988,
Clarion, Pennsylvania.

Language: English

Descriptors: Pennsylvania; Information needs;
Rural areas; Cooperative extension service; 4-h
clubs

125 NAL Call No: Z675.V7R8
Rural information needs as seen by: Paul Weaver.

Weaver, P.
Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 9 (2): p. 45-47; 1989. Paper pre-
sented at a conference "Information and Rural
Economic Development," jointly sponsored by the
Center for the Study of Rural Librarianship and

Information Access in Rural America

the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania.

Language: English

Descriptors: Pennsylvania; Rural areas; Information needs; Rural development; Information services

126 **NAL Call No: Z675.V7R8**
Rural information needs as seen by: Ruth Anne Mears.

Mears, R.A.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (2): p. 37-43; 1989. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania. Includes references.

Language: English

Descriptors: U.S.A.; Rural population; Information needs; Information services; Information dissemination

127 **NAL Call No: Z675.V7R8**
Rural librarianship: a new consciousness.

Vavrek, B.
Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.
Rural libraries v. 1 (1): p. 84-91; Winter 1980.

Language: English

128 **NAL Call No: Z675.V7R8**
Rural libraries: a selective annotated bibliography.

Norell, I.P., ed
Clarion, Pa., Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 2 (1): p. 67-105; Winter 1982.

129 **NAL Call No: Z675.V7R8**
Rural libraries and information needs.

Head, J.W.
Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.
Rural libraries v. 1 (3): p. 21-27; Summer 1980.

Language: English

130 **NAL Call No: Z675.V7R8**

Rural libraries and the state library agencies: a survey from the center for the study of rural librarianship.

Head, J.W.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 8 (1): p. 7-17; 1988. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Rural areas; State government; Public agencies; Surveys; Education; Training; Technology

131 **NAL Call No: Z675.V7R8**
Rural libraries and the three T's, technical services, technology, and time.

Gamaluddin, A.F.M.
Clarion, Pa., Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 2 (1): p. 37-44; Winter 1982.

132 **NAL Call No: Z675.V7R8**
Rural Libraries v.1, no.1- Winter 1980-

Center for the Study of Rural Librarianship.
Clarion, Penn. Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.
. A forum for rural library service.

Language: English

Descriptors: Rural libraries

133 **NAL Call No: Z675.V7R8**
The rural library: some recent research.

Vavrek, B.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 9 (2): p. 85-95; 1989. Paper presented at a conference "Information and Rural Economic Development," jointly sponsored by the Center for the Study of Rural Librarianship and the National Agricultural Library, May 4-6, 1988, Clarion, Pennsylvania.

Language: English

Descriptors: Pennsylvania; Libraries; Rural areas; Surveys; Roles; Planning; Socioeconomic status

134 **NAL Call No: Z675.V7R8**
Rural medical libraries.

Durante, M.A.
Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Quick Bibliography Series

Rural libraries v. 7 (2): p. 1-26; 1987. Includes references.

Language: English

Descriptors: Libraries; Rural areas; Medical research

135

NAL Call No: Z675.V7R464

Rural public libraries, the invisible institution.

Weech, T.L.

Chicago, Ill. : Public Library Association.

Research and reality : library services to rural populations. p. 25-39; 1982. Includes references.

Language: English

Descriptors: U.S.A.; Rural areas; Libraries; Services; Information dissemination; Usda; Research; Facilities; Literature reviews

136

NAL Call No: Z675.V7R8

Rural public library service to Native Americans.

Hollaran, S.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 10 (1): p. 31-48; 1990. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Rural areas; Information services; American Indians

137

NAL Call No: Z675.V7R8

Rural reading behavior and library usage: finding from a Pennsylvania survey.

Willits, H.W.; Willits, F.K.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 11 (1): p. 25-42; 1991. Includes references.

Language: English

Descriptors: Pennsylvania; Libraries; Rural communities; Usage; Reading; Urban areas; Age differences; Family structure; Children; Academic achievement; Sex differences; Social participation

138

NAL Call No: Z675.V7R8

Rural residents and health information.

Drukenbrod, E.C.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 13 (1): p. 35-51; 1993. Includes references.

Language: English

Descriptors: U.S.A.; Health; Information; Information services; Rural areas; Libraries

139

NAL Call No: 321.8 J82

Rural youth at risk: targeting through Teletip.

Townsend, M.S.; Wright, J.; Kubin, L.; Meis, J.

Alexandria, Va. : American Home Economics Association.

Journal of home economics v. 84 (1): p. 15-18; 1992. Includes references.

Language: English

Descriptors: California; Diffusion of information; Adolescents; Rural youth; Risk; Telephones; Information systems; Needs assessment; Program development; Cooperative extension service

140

NAL Call No: Z675.V7R8

Service offered in rural libraries in Nebraska.

Cox, J.S.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.

Rural libraries v. 13 (1): p. 13-34; 1993. Includes references.

Language: English

Descriptors: Nebraska; Libraries; Rural areas; Information services

141

NAL Call No: HT401.R47

Serving small community information needs through academic programs.

Garkovich, L.

Greenwich, Conn. : JAI Press.

Research in rural sociology and development v. 2: p. 257-273; 1985. Literature review. Includes references.

Language: English

Descriptors: Communities; Information needs; Community development; Sociological method

142

NAL Call No: Z675.V7R8

Site selection for rural public libraries.

Schott, V.O.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.

Rural libraries v. 7 (2): p. 27-59; 1987. Includes references.

Language: English

Descriptors: Libraries; Rural areas; Sites

Information Access in Rural America

143 NAL Call No: 243.8 W69
The small library in an era of multiple transformations.
Marien, M.
Bronx, N.Y. : H.W. Wilson Company.
Wilson library bulletin v. 65 (9): p. 27-30; 1991 May. The National Agricultural Library no longer receives the Wilson Library Bulletin. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Demography; Rural areas; Economic situation; Social environment

144 NAL Call No: 281.28 R88
The social impacts of information technologies in rural North America.
Dillman, D.A.
Lexington, Ky. : The University of Kentucky.
Rural sociology v. 50 (1): p. 1-26; 1985. Includes 62 references.

Language: English

Descriptors: U.S.A.; Information; Technology; Rural sociology; Information flow; Impact; Social behavior; Rural communities; Rural development

Abstract: Extract: Social implications of the increased use of information technologies in rural North America are analyzed, with particular attention to their consequences for human interaction, the traditional subject matter of rural sociology. First, the influence of technology on rural people's interaction patterns throughout this century is reviewed, and speculations are made about how those patterns will be changed by the increased use of information technologies. Second, the increased importance of information as an input into the production of goods and services is described against a background of the uncertainties that exist concerning the transition to an information age. Next, five features of the emerging rural information structure are described.

145 NAL Call No: Z675.V7R8
Social theory and its application to the study of community analysis and the problems of the rural library.
Norris, B.P.
Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.
Rural libraries v. 1 (1): p. 22-31; Winter 1980. 4

ref.

Language: English

146 NAL Call No: 275.29 F22
Sociological needs of farmers facing severe economic problems.
Heffernan, W.D.; Heffernan, J.B.
Oak Brook, Ill. : Farm Foundation.
Increasing understanding of public problems and policies. p. 90-102; 1986. Includes references.

Language: English

Descriptors: U.S.A.; Farm indebtedness; Rural sociology; Mental stress; Needs assessment; Public relations; Retraining of farmers; Capital taxation; Information needs

147 NAL Call No: 280.8 J822
Some concepts for measuring the economic value of rural data.
Bullock, J.B.
Lexington, Ky., American Agricultural Economics Association.
American journal of agricultural economics v. 63 (2): p. 346-352; May 1981. 15 ref.

Descriptors: Information collection; Statistical data; Information needs; Methodology; Evaluation

Abstract: Extract: The purpose of this paper is to examine the current state of theoretical and methodological approaches to valuing information systems and to identify some of the problems and issues that confront efforts to determine the economic value of information systems.

148 NAL Call No: 280.8 J822
Some concepts for measuring the economic value of rural data: discussion.
Miller, T.A.
Lexington, Ky., American Agricultural Economics Association.
American journal of agricultural economics v. 63 (2): p. 363-364; May 1981. 3 ref.

Descriptors: Rural areas; Data; Information needs; Information collection; Economic impact

149 NAL Call No: HD256.L362
State and local concerns: information needs and local actions for protecting agricultural land.
Bushwick, N.
Washington, D.C. : The Farm Foundation in cooperation with ERS, USDA.
Land use transition in urbanizing areas : research

Quick Bibliography Series

and information needs / edited by Ralph Heimlich. p. 15-28; 1989. Paper presented at a workshop sponsored by the Economic Research Service, USDA and the Farm Foundation, June 6-7, 1988, Washington, DC. Includes references.

Language: English

Descriptors: U.S.A.; Agricultural land; Public agencies; Information needs; Rural urban relations; Land policy; Land development

150 NAL Call No: aHN90.C6R78
State data centers have information about rural areas in your state.

Kavaliunas, J.C.

Washington, D.C. : U.S. Department of Agriculture, Economic Research Service.

Rural development perspectives : RDP v. 3 (3): p. 31-33; 1987 Jun.

Language: English

Descriptors: U.S.A.; Rural areas; Rural communities; Information centers; Censuses; Information sources; Information dissemination; Computer analysis; Maps

151 NAL Call No: Z675.V7R8
Strategic planning for rural libraries: a California case.

Grieshop, J.I.; Fretz, P.R.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 10 (2): p. 45-59; 1990. Includes references.

Language: English

Descriptors: California; Libraries; Information services; Rural environment; Planning; Needs assessment; Decision making; Community involvement; Case studies

152 NAL Call No: Z675.V7R464
A study of rural library use.

DeGruyter, L.

Chicago, Ill. : Public Library Association.

Research and reality : library services to rural populations. p. 4-17; 1982. Includes references.

Language: English

Descriptors: West Virginia; Rural areas; Libraries; Usage; Case studies; Research; Counties

153 NAL Call No: Z675.V7R8
A study of rural public library patrons by un-

obtrusive observation.

Shilts, T.P.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 11 (2): p. 27-48; 1991. Includes references.

Language: English

Descriptors: Pennsylvania; Libraries; Behavior; Usage; Rural areas; Sex differences; Age differences

154 NAL Call No: Z675.V7R8
Survey of continuing education opportunities for rural librarians.

Williams, M.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 12 (1): p. 19-47; 1992. Includes references.

Language: English

Descriptors: U.S.A.; Libraries; Personnel; Rural areas; Educational opportunities; Continuing education; Surveys; Workshops (programs)

155 NAL Call No: S3.A32
A survey of management information systems for regional and rural development programs.

Young, F.W.; Nellis, J.R.

Barking : Applied Science Publishers.

Agricultural administration v. 19 (2): p. 81-99; 1985. Includes 9 references.

Language: English

Descriptors: Rural development; Regional development; Information services; Management; Surveys

156 NAL Call No: Z675.V7R8
A survey of rural librarians on continuing education.

Herb, S.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.

Rural libraries v. 1 (4): p. 89-118; Fall 1980.

157 NAL Call No: Z675.V7R8
Technology and the rural library.

Mumma, P.S.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion University of Pennsylvania. Rural libraries v. 11 (2): p. 7-20; 1991.

Information Access in Rural America

Language: English

Descriptors: U.S.A.; Libraries; Rural areas; Technology; Technical progress; Automation; Surveys

158 NAL Call No: T174.3.T43
Technology transfer to transportation and public works agencies: microcomputer support centers.
Sullivan, E.C.

Los Angeles, Calif. : Technology Transfer Society. International Symposium proceedings. p. 83-91; 1985. In the series analytic: Technology transfer to commercialization / compiled by W. Seden and S. Taper, Meeting held June 1985, San Francisco, California. Includes references.

Language: English

Descriptors: California; Georgia; Indiana; Iowa; Kansas; Montana; Oklahoma; Vermont; Alabama; Technology transfer; Programs; Transport; Public works; Public agencies; Local government; Rural areas; Rural roads; Microcomputers; Computer software; On line; Databases; Bulletin boards; Electronics; Information centers; Universities

159 NAL Call No: Z686.P83
Traditional & non-traditional delivery systems for remote areas proceedings of the Public Library Association, Small and Medium-sized Libraries Section, Rural Library Services Committee, American Library Association Annual Conference, Los Angeles, 1983. (Traditional and non-traditional delivery systems for remote areas.)

Public Library Association. Rural Library Services Committee; American Library Association, Conference 1983 : Los Angeles, Calif.)
Chicago, Ill. : Public Library Association.,
i, 41 p. ; 28 cm. Cover title. Includes bibliographical references (p. 39-40).

Language: English

Descriptors: Rural Libraries; United States; Congresses; Libraries; Branches, delivery stations, etc; Congresses; Bookmobiles; Congresses; Library extension; Congresses

160 NAL Call No: Z675.V717
Trends in humanities programming.
Vavrek, Bernard; Whitney, Lorilyn
Clarion University of Pennsylvania, Center for the Study of Rural Librarianship
Clarion, Pa. : College of Library Science, Center for the Study of Rural Librarianship, Clarion University of Pennsylvania.,

i, 71 p. ; 28 cm. September 1, 1984. Includes bibliographical references.

Language: English

Descriptors: Rural libraries; Congresses; Humanities; Congresses

161 NAL Call No: HT401.R94
U.S. agriculture in an information society: rural sociology research issues.

Goe, W.R.

Columbia, Mo. : Rural Sociological Society.
The Rural sociologist v. 6 (2): p. 96-101; 1986 Mar. Includes references.

Language: English

Descriptors: U.S.A.; Rural sociology; Farm surveys; Information dissemination; Information systems; Technical progress; Computer techniques; Planning of research

162 NAL Call No: Z675.V7R8
User studies: the human connection and the rural scene (Library services).

Curran, C.; Barron, D.

Clarion, Penn., Center for the Study of Rural Librarianship, School of Library Science, Clarion State College.
Rural libraries v. 1 (1): p. 32-41; Winter 1980. 11 ref.

Language: English

163 NAL Call No: 275.28 J82
Using the Rural Information Center.

Goodwin, J.

Madison, Wis. : Extension Journal.
Journal of extension v. 30: p. 39; 1992.

Language: English

Descriptors: Information centers; Rural areas; Usda

164 NAL Call No: Z675.V7R6
The village library project Yukon-Kuskokwim delta, Alaska (Rural aspects).

Hills, G.H.

Clarion, Pa. : Center for the Study of Rural Librarianship, Clarion State College.
Rural libraries v. 3 (2): p. 89-105; 1983. Includes references.

Language: English

Descriptors: Alaska

Quick Bibliography Series

165 NAL Call No: Z675.V7R8
What small town public libraries mean to their
communities: a consultant's perspective.

Hanks, G.

Clarion, Pa. : Center for the Study of Rural
Librarianship, Clarion University of Pennsylvania.
Rural libraries v. 12 (1): p. 49-70; 1992. Includes
references.

Language: English

Descriptors: U.S.A.; Libraries; Services; Rural
communities; Consumer satisfaction; Attitudes

166 NAL Call No: Z675.C8W56 1990
Wilson Symposium on the Future of Public Libra-
ries proceedings.

Vavrek, Bernard; Whitney, Loralyn

Clarion University of Pennsylvania, Center for the
Study of Rural Librarianship

Wilson Symposium on the Future of Public Libra-
ries 1990 : Omaha, Neb.

Clarion, Penn. : Center for the Study of Rural
Librarianship, Dept. of Library Science, Clarion
University of Pennsylvania.

186 p. ; 28 cm. Cover title: The 21st century: the
Wilson Symposium on the Future of Public Libra-
ries. Includes bibliographical references.

Language: English

Descriptors: Rural libraries; Public libraries

Author Index

- Albrecht, L.K. 71
Allen, J.C. 107, 111
Allen, John C., 61
Allen, John C., 1942- 61
Amend, J. 74
American Library Association, Conference 1983
 (Los Angeles, Calif.) 159
American Library Trustee Association. 69
American Society for Information Science 54
American Society for Information Service 123
Arnold, N. 46
Barron, D. 29, 162
Beck, D.M. 56, 57, 107
Beck, Donald M. 61, 61
Bish, S. 18, 28
Bonnen, J.T. 14
Brown, T.B. 33
Brumback, E.L. 96
Bullock, J.B. 147
Busch, N. 41
Bushwick, N. 149
Byerlee, D. 36
Carter, M.V. 2
Case, Robert N., 5
Caupp, N. 7
Center for the Study of Rural Librarianship. 132
Clarion State College, Center for the Study of
 Rural Librarianship. 98
Clarion University of Pennsylvania, Center for the
 Study of Rural Librarianship 106, 160, 166
Clarion University of Pennsylvania, Center for the
 Study of Rural Librarianship, State Library of
 Ohio 108
Clarion University of Pennsylvania, Center for the
 Study of Rural Librarianship 3, 4
Coffindaffer, C.L. 91
Cooper, J.K. 34
Cox, J.S. 140
Curran, C. 162

DeGruyter, L. 152
DeGruyter, M.L. 35
Dillman, D. 20
Dillman, D.A. 24, 56, 57, 107, 144
Dillman, Don A., 61
Donohue, G.A. 75
Drukenbrod, E.C. 138
Durante, M.A. 134
Emerson, P.M. 15
Emert, A.A. 87
Engen, R.B. 78
Epstein, B. 58
ESCS-EDD 55
Field, W.E. 50

Fowler, D. 124
Frank, R. 116
Freeman, S.A. 50
Fretz, P.R. 151
Freudenburg, W.R. 37
Gamaluddin, A.F.M. 131
Garkovich, L. 141
Gervasi, Anne 42
Girvan, R.B. 113
Goe, W.R. 161
Goodger-Hill, C. 97
Goodwin, J. 163
Grieshop, J.I. 151
Griffith, L.M. 22
Haines-Young, R.H. 26
Hales, J.D. 9
Hales, J.D. Jr 99
Hanks, G. 165
Hanks, G.C. 112
Harmon, B. 52
Head, J.W. 76, 129, 130
Head, P.A. 16
Heasley, D. 83
Heasley, D.K. 12, 13
Heddinger, L. 25
Heffernan, J.B. 146
Heffernan, W.D. 146
Hellard, E. 8
Hendricks, J. Thom 5, 68
Hennen, T.J. Jr 32
Hennen, Thomas J. 69
Herb, S. 156
Hershey, D.R. 19

Hiemstra, H. 88
Hills, G.H. 164
Hoffman, G. 45
Hollaran, S. 136
Houlahan, J. 72, 80
Ikerd, J.E. 49
Ison, J. 31
Jaugstetter, M. 64
Jensen, J. 59
John, L.P. 121
John, P. 43, 122
John, P.L. 47, 82, 101, 114, 115, 119
John. P. 116
Johnson, B.B. 111
Johnson, T.P. 34
Jones, T.R. 37
Kavaliunas, J.C. 150
Klevar, G. 110
Korsching, P. 93
Krile, J.F. 52

Quick Bibliography Series

- Kubin, L. 139
 LaClair, C. 70
 Leadley, S.M. 51
 Leistriz, F.L. 111
 Lulla, K. 59
 Lynch, T.P. 92
 Marien, M. 143
 Mautino, P. 44
 McMorran, C.E. 94
 Mears, R.A. 126
 Meis, J. 139
 Mika, J.J. 30
 Miller, T.A. 148
 Mumma, P.S. 157
 Nakazawa, A.T. 121
 National Rural Education Association (U.S.),
 Conference 1988 :Bismarck, N.D. 68
 Nellis, J.R. 155
 Nellis, M.D. 59
 Nelson, G.L. 14
 Norell, I.P., ed 128
 Norris, B.P. 145
 North Dakota State Library 5
 Northcutt, G. 17
 Olien, C.N. 75
 Osbourne, G.L. 2
 Owen, A. 38
 Parker, Edwin B. 105
 Philip, J.J. 6
 Pratt, Mary Lou 108, 109
 Price, D.A. 12
 Public Library Association, Public Library Association,
 Rural Library Services Committee, American Library Association,
 Conference 1982 :Philadelphia, Pa.) 100
 Public Library Association. Rural Library Services
 Committee 159
 Quadri, N. 95
 Reynolds, D.B. Jr 66
 Riley, J.M. 11
 Ruccio, N.C. 73, 84, 86
 Saupe, William E. 55
 Schmitt, J. 23
 Schott, V.O. 142
 Seibt, Betty Kay 42
 Sheller, B. 63
 Shilts, C. 27
 Shilts, T.P. 153
 Sims, S.R. 77
 Smith, M.A. 110
 Speer, R. 89
 Starke, N.A. 67
 Stephens, A.K. 85
 Sullivan, E.C. 158
 Tichenor, P.J. 75
 Tourtillotte, M. 81
 Townsend, M.S. 139
 Turner, M.G. 65
 United States, Congress, House, Committee on
 Agriculture, Subcommittee on Department
 Operations, Research and Foreign Agriculture 21
 United States, Congress, Office of Technology Assessment 103, 104
 United States, Dept. of Agriculture, United States,
 National Commission on Libraries and Information Science,
 United States, Congress, Senate, Committee on Agriculture,
 Nutrition, and Forestry, Subcommittee on Rural Development,
 Oversight, and Investigations, United States, Congress,
 House, Committee on Agriculture, Subcommittee on Department
 Operations, Research, and Foreign Agriculture 62
 United States. Congress. House. Committee on
 Government Operations. Government Information, Justice,
 and Agriculture Subcommittee 10
 Vasey, B. 60
 Vavrek, B. 39, 40, 127, 133
 Vavrek, Bernard 3, 4, 98, 108, 109, 160, 166
 Walters, C.R. 79
 Weaver, P. 125
 Weech, T.L. 90, 135
 Wellar, B.S. 53
 Whitney, Loralyn 160, 166
 Wilkinson, K.P. 48
 Williams, M. 154
 Willits, F.K. 1, 137
 Willits, H.W. 1, 137
 Wright, J. 139
 Wright, K.D. 85
 Young, F.W. 155

Subject Index

- 4-h clubs 124
Academic achievement 112, 137
Adolescents 1, 139
Adult education 60
Adult learning 110
Aerial photography 65
Age differences 112, 137, 153
Aging 46
AgRicola 116, 117, 119
Agricultural economics 45
Agricultural land 59, 65, 88, 149
Agricultural production 36
Agricultural research 36
Agriculture 21
Alabama 85, 158
Alaska 78, 164
American indians 136
Analysis 59
Arizona 58
Attitudes 165
Audiovisual aids 87
Automation 157
Availability 87
Behavior 153
Bitographies 47
Bookmobiles 108, 109, 159
Books 9
Branches, delivery stations, etc 159
Bulletin boards 158
Cabt 111
California 74, 139, 151, 158
Capacity 53
Capital taxation 146

Case studies 151, 152
Catalogs 9
Censuses 150
Changes 65
Child day care 27
Children 137
Collections 97
Colorado 38
Communication 37
Communication in rural development 54, 123
Communities 141
Community development 20, 83, 93, 141
Community information services 54, 62, 123
Community involvement 151
Community programs 38
Computer analysis 150
Computer software 158
Computer techniques 50, 161
Computers 56
Conferences 33, 37, 102

Congresses 100, 108, 109, 159, 160
Consultants 22
Consumer satisfaction 165
Continuing education 38, 67, 154
Cooperation 23, 31
Cooperative extension service 24, 102, 115, 116, 119, 124, 139
Cooperatives 31
Counties 152
Data 15, 148
Data analysis 26, 45
Databases 45, 158
Decision making 53, 151
Demography 143
Development 97
Development policy 49
Diffusion of information 2, 43, 50, 66, 82, 139
Distance teaching 30
Diversification 53
Ecology 65
Economic development 39, 43, 49, 111, 121
Economic impact 2, 148
Economic situation 143
Education 39, 49, 130
Educational innovation 30
Educational opportunities 154
Educational planning 67
Educational programs 29, 60
Elderly 46
Electronics 158
Employment opportunities 107
Evaluation 147
Extension 122
Extension activities 24, 58, 114, 118, 120

Extension education 36
Facilities 87, 135
Family structure 137
Farm families 93
Farm indebtedness 146
Farm life 54, 123
Farm surveys 161
Farmers' attitudes 36
Farms, Small 55
Federal aid to libraries 62
Federal programs 82
Fiscal policy 24, 74, 97
Forests 65
Funds 8, 87
Geography 59, 65
Georgia 65, 158
Grants 74
Handbooks, manuals, etc 42
Handicapped persons 46

Quick Bibliography Series

- Health 138
- Health services 58
- Human resources 56
- Humanities 160
- Impact 144
- Income distribution 45
- Indiana 158
- Information 111, 138, 144
- Information centers 43, 48, 82, 102, 114, 115, 117, 118, 119, 120, 121, 122, 150, 158, 163
- Information collection 14, 15, 147, 148
- Information dissemination 8, 9, 35, 38, 57, 75, 76, 78, 80, 90, 93, 117, 120, 126, 135, 150, 161
- Information flow 36, 107, 144
- Information needs 12, 14, 15, 20, 24, 26, 45, 49, 52, 53, 57, 70, 75, 79, 82, 88, 99, 119, 124, 125, 126, 141, 146, 147, 148, 149
- Information networks 103, 104
- Information services 1, 13, 21, 33, 34, 46, 47, 48, 58, 59, 60, 62, 65, 79, 85, 98, 101, 107, 112, 115, 116, 121, 125, 126, 136, 138, 140, 151, 155
- Information sources 57, 150
- Information systems 47, 56, 57, 114, 116, 139, 161
- Infrastructure 56, 107
- Innovation adoption 57
- Innovations 2, 9
- Iowa 158
- Irrigated farming 59
- Isolation 76, 78
- Kansas 67, 158
- Kentucky 8, 34
- Land development 149
- Land policy 88, 149
- Land productivity 59
- Land use 59, 65
- Librarianship 67
- Libraries 1, 8, 12, 13, 20, 22, 23, 27, 29, 30, 31, 32, 33, 35, 38, 39, 41, 47, 60, 66, 67, 70, 72, 74, 76, 78, 79, 80, 82, 83, 85, 87, 90, 91, 92, 97, 99, 101, 110, 112, 114, 115, 116, 119, 122, 130, 133, 134, 135, 136, 137, 138, 140, 142, 143, 151, 152, 153, 154, 157, 159, 165
- Library administration 42
- Library cooperation 5, 68
- Library extension 159
- Library information networks 5
- Library planning 42
- Library science 42
- Library surveys 98
- Literacy 12, 110
- Literature reviews 2, 135
- Loans 32
- Local government 88, 158
- Local planning 83
- Management 155
- Managers 92
- Manpower policy, Rural 61
- Mapping 59
- Maps 150
- Maryland 102, 122
- Materials 74
- Medical research 134
- Mental stress 146
- Methodology 147
- Michigan 30
- Microcomputers 158
- Minnesota 32, 52, 75
- Models 83
- Montana 17, 38, 158
- National surveys 76
- Nebraska 140
- Needs assessment 67, 85, 99, 139, 146, 151
- Networking 23, 32, 78, 101, 116, 119
- Newsletters 34
- Newspapers 75
- Non-formal education 30
- North America 37
- North Dakota 5
- North eastern states of U.S.A. 13
- Occupational status 1
- Ohio 6
- Oklahoma 158
- On line 158
- Parents 1
- Partnerships 115, 116, 119
- Pennsylvania 1, 4, 12, 16, 71, 92, 124, 125, 133, 137, 153
- Personnel 29, 39, 41, 83, 154
- Physicians 34
- Planning 133, 151
- Planning of research 161
- Policy 14
- Population dynamics 12
- Poverty 2, 112
- Profitability 49
- Program development 9, 38, 82, 85, 139
- Program evaluation 34, 60
- Programs 158
- Projections 72
- Prototypes 116
- Public agencies 130, 149, 158
- Public authorities 53
- Public libraries 3, 4, 42, 98, 106, 166
- Public relations 32, 146
- Public services 1, 12, 70
- Public works 158

Subject Index

- Publicity sales promotion 32
Radio 75
Reading 1, 137
Reference services 98
Reference works 76
Regional development 155
Remote sensing 59, 65
Requirements 41
Research 80, 90, 135, 152
Resource centers 43
Resource development 56
Retraining of farmers 146
Risk 139
Roles 30, 66, 80, 133
Rural areas 1, 2, 8, 9, 12, 13, 22, 23, 30, 32, 34, 35, 38, 48, 50, 58, 59, 60, 65, 74, 76, 78, 79, 80, 87, 90, 91, 92, 97, 99, 110, 118, 124, 125, 130, 133, 134, 135, 136, 138, 140, 142, 143, 148, 150, 152, 153, 154, 157, 158, 163
Rural communities 12, 20, 24, 27, 29, 31, 39, 41, 46, 47, 49, 52, 57, 66, 70, 72, 83, 102, 112, 114, 137, 144, 150, 165
Rural conditions 103, 104, 123
Rural depopulation 112
Rural development 14, 33, 36, 43, 56, 57, 61, 75, 82, 93, 101, 103, 104, 105, 107, 111, 115, 116, 119, 120, 121, 122, 125, 144, 155
Rural economy 107
Rural environment 38, 56, 85, 112, 151
Rural libraries 3, 4, 42, 54, 62, 69, 98, 100, 106, 108, 109, 132
Rural Libraries 159
Rural libraries 160, 166
Rural planning 26, 53, 117, 122
Rural poor 55
Rural population 14, 15, 126
Rural roads 158
Rural sociology 37, 45, 112, 144, 146, 161
Rural telecommunication 10, 103, 105
Rural urban relations 75, 149
Rural welfare 122
Rural youth 139
Sampling techniques 59
Satellites 78
Services 35, 38, 76, 78, 80, 90, 135, 165
Sex differences 1, 137, 153
Sites 142
Skills 26
Small libraries 42
Social behavior 144
Social change 93
Social costs 48
Social environment 143
Social participation 137
Socioeconomic organization 56
Socioeconomic status 133
Sociological method 141
Space requirements 48
State government 74, 130
States 22
Statistical data 14, 147
Structural change 57, 75, 107
Support measures 101
Support systems 30, 34, 43, 50, 53, 79
Surveys 22, 87, 92, 130, 133, 154, 155, 157
Sustainability 49
Teaching methods 29
Technical progress 2, 35, 38, 56, 57, 76, 78, 91, 107, 157, 161
Technology 111, 130, 144, 157
Technology transfer 158
Technology transfers 36
Telecommunication 104
Telecommunication policy 10
Telecommunications 47, 56, 91, 107, 111
Telephones 58, 139
Television 75, 91
Training 38, 130
Transport 158
Trends 13, 24, 56, 72, 117
U.S.A. 2, 9, 20, 22, 23, 24, 27, 29, 33, 35, 43, 45, 47, 53, 56, 57, 59, 60, 72, 76, 79, 80, 82, 83, 87, 88, 90, 91, 93, 99, 101, 107, 110, 111, 112, 114, 115, 116, 117, 119, 120, 121, 126, 130, 135, 136, 138, 143, 144, 146, 149, 150, 154, 157, 161, 165
United States 21, 54, 55, 61, 62, 98, 103, 104, 105, 123, 159
Universities 60, 158
Urban areas 137
Urbanization 88
USA 7, 44, 89, 96
Usage 8, 32, 76, 137, 152, 153
Usda 33, 82, 102, 114, 118, 120, 121, 122, 135, 163
Use studies 4
Utah 38
Vegetation 65
Vermont 158
Volunteers 46
Water management 59
West Virginia 152
Workshops (programs) 154
Wyoming 38

U.S. Department of Agriculture
National Agricultural Library
Beltsville, Maryland 20705

OFFICIAL BUSINESS
Penalty for Private Use, \$300



Postage and Fees Paid
United States
Department of Agriculture
AGR-101

[Faint, illegible text, possibly a title or header, obscured by a dark horizontal band.]