

# **Information Access in Rural America**

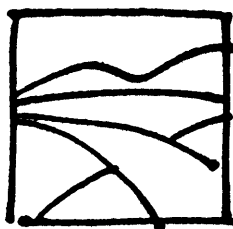
**January 1980 - April 1994**

**Quick Bibliography Series: QB 94-39**

**Updates QB 92-18**

**166 citations in English from AGRICOLA**

**Patricia La Calle John  
Rural Information Center**



**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

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# 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**



## 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.

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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 4/93 NEED BY: 6/93

Interlibrary Loan Department  
Agriculture University  
Heartland, IA 56789

Dr. Smith Faculty Ag School

Canadian Journal of Soil Science 1985 v 6(3): 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 Marcost: \$15.00

MORE

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### 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.

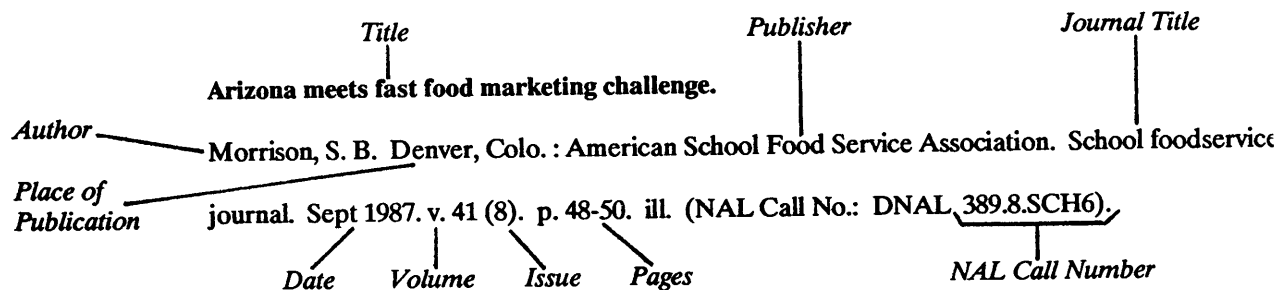
## **AGRICOLA**

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

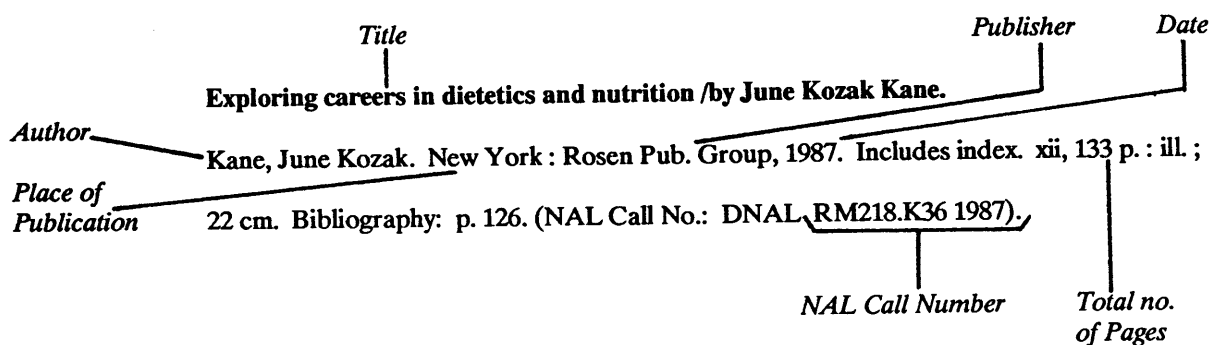
## SAMPLE CITATIONS

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.

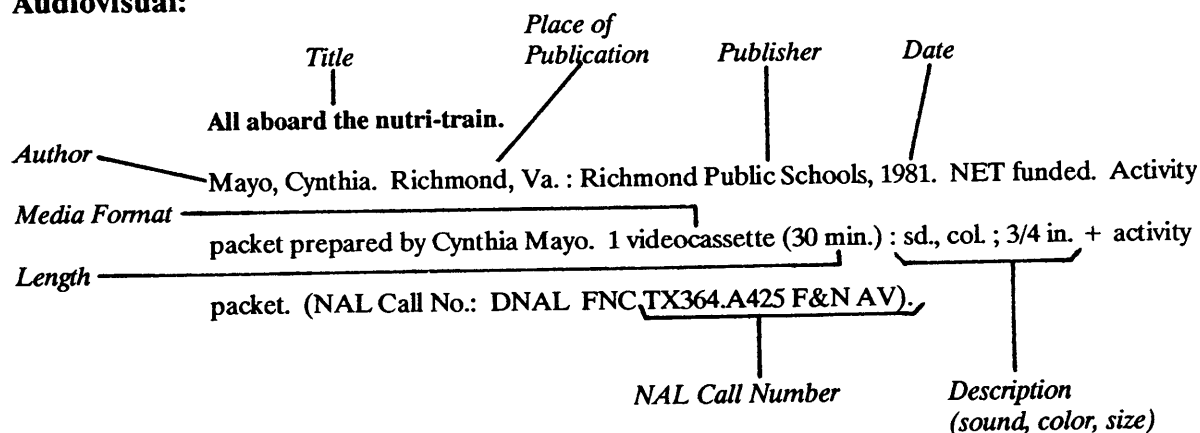
### Journal Article:



### 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?)

## Quick Bibliography Series

## 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:* Public libraries; Pennsylvania; Use studies; Rural libraries; Pennsylvania

**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

Hedding, 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 com-

munities

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; Newslet-  
ters; 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; Tech-  
nical progress; Services; Information dissemination

**36** NAL Call No: S3.A32  
**From adaptive research to farmer recommenda-  
tions 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 de-  
velopment

**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; Con-  
ferences; 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; Infor-  
mation dissemination; Rural environment; Ser-  
vices; 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. In-  
cludes references.

*Language:* English

*Descriptors:* Libraries; Rural communities; Eco-  
nomic 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 considera-  
tions.**

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 ref-  
erences.

*Language:* English

*Descriptors:* Libraries; Personnel; Rural communi-  
ties; 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,



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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-

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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.l. : 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, chairmen 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.

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*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.

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*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.**

Amend, 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

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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; 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 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).**

Tourtillotte, 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.

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- 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-ii; 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.**  
McMorrان, 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**

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### **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.

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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.V7T7  
**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.V7R8  
**The village library project Yukon-Kuskokwim delta, Alaska (Rural aspects).**

Hills, G.H.  
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## 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  
Tourtilotte, 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
- Bibliographies 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