

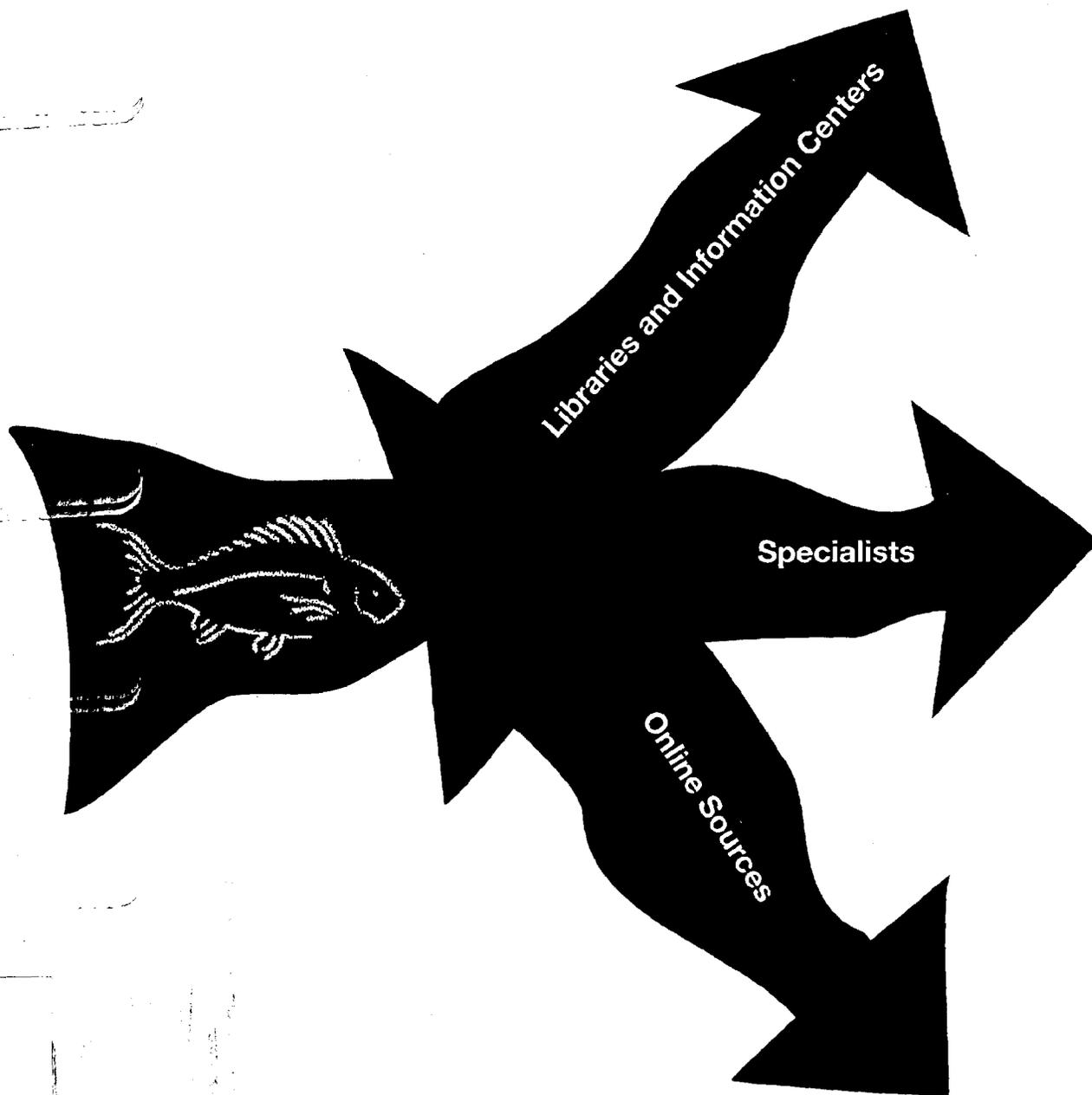


United States
Department of
Agriculture



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Agricultural
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Resource Guide to Aquaculture Information



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United States
Department of
Agriculture



National
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Extension
Service



U.S. Fish
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NCRI
National Coastal
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Research &
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Institute



National Sea
Grant College
Program

Resource Guide to Aquaculture Information

**Joint Subcommittee on Aquaculture,
Aquaculture Information and Technology
Transfer Task Force**

Coordinated through:

**Aquaculture Information Center
National Agricultural Library
U.S. Department of Agriculture**

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US Department of Commerce
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August 1994**

LIBRARY
NOAA/CCEH
1990 HOBSON AVE.
CHAS. SC 29408-2628

SH20.5 . R97 1994

JAN 16 1996

National Agricultural Library Cataloging Record:

Resource guide to aquaculture information.

1. Aquaculture – United States – Information services – Directories.

I. Aquaculture Information and Technology Task Force (U.S.)

II. Aquaculture Information Center (U.S.) III. Title.

aSH20.5

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Introduction

The growth of the aquaculture industry, advances in new technologies, and concerns for the use of natural resources have resulted in an increased demand for all types of aquaculture information.

Frequently, the search for aquaculture information lacks a clear roadmap. Location of the closest, most appropriate resource, which is the first step, may be the most difficult. This directory was compiled for use by aquaculturists, researchers, students, educators, industry members, and others seeking initial contact points for further information and referral on multiple aspects of the aquaculture industry. The directory is divided into 11 sections, beginning with academic libraries. This library listing is followed by sections on Federal and State libraries and information centers, printed resources, electronic resources, trade and professional associations, specialists in the field, policymakers and government administrative offices, and selected initial sources for supplies and equipment. There are over 500 North American resources listed in this publication.

In the real world not all sources provide all answers to all people, and this is certainly true in aquaculture. Sources in this directory may be limited in access, scope, accuracy, and economy to the searcher. The first approach for the aquaculture client should be identification of the information sources that are available locally or regionally. Reading materials available at the local university library may be a good starting point followed by contacting the county agent or extension specialist in your state. The agent/specialist may refer you to another source to complete your information search. The Aquaculture Information Center under the National Agricultural Library in Maryland (Section II: Federal and State Libraries) is also a good starting point. It is recommended that the searcher frame a clear and specific picture of his/her information needs prior to contacting the sources provided in this guide.

Although every attempt was made to be as comprehensive and accurate as possible, this guide is at best a "snapshot" of resources at the time of printing. Addresses and phone numbers for certain resources may have changed since this document went to press, and certain resources may have inadvertently been omitted.

Acknowledgments

This *Resource Guide to Aquaculture Information* was prepared by the Aquaculture Information and Technology Transfer Task Force under the Joint Subcommittee on Aquaculture (JSA).

Funding support was provided by the following agencies: Extension Service, U.S. Department of Agriculture; National Coastal Resources Research and Development Institute (Grant No. NA16RG0167), National Oceanic and Atmospheric Administration, U.S. Department of Commerce; National Sea Grant College Program, National Oceanic and Atmospheric Administration, U.S. Department of Commerce; U.S. Fish and Wildlife Service, U.S. Department of the Interior.

Special acknowledgment is given to Rebecca Thompson, National Agricultural Library, who provided substantial support in editing and desktop publishing.

Appreciation is also extended to the members of the Working Group for their extensive efforts in compiling and verifying the information.

Gary L. Jensen
Eileen M. McVey
Co-Chairs, JSA Aquaculture Information and Technology Transfer Task Force

Section I: Academic Libraries

The following list of selected academic libraries was taken from a survey conducted by the Aquaculture Information Center in 1992. Academic libraries that did not respond to the survey, and therefore not listed here, may also have aquaculture information.

Other libraries such as museum and zoological libraries that are not listed here may also have aquaculture collections. Materials listed under the Scope field refer to aquaculture materials in the collection. Unless otherwise indicated, interlibrary loan services are provided only to affiliated clients.

State: Alabama
Contact: Librarian
Name: Ralph Brown Draughon Library
Address: Science and Technology Department
Auburn, AL 36849-5606
Phone: (205) 844-1746
FAX: (205) 844-1753
Scope: Books, monographs, journals, magazines, newsletters, and extension publications; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use to general public.

State: Arizona
Contact: Information Specialist
Name: University of Arizona Environmental Research Laboratory
Address: Library
2601 E. Airport Dr.
Tucson, AZ 85706
Phone: (602) 741-1990
Scope: Journals, published reports, magazines.

State: Alaska
Contact: Librarian
Name: BioSciences Library
Address: University of Alaska
Fairbanks, AK 99775-0300
Phone: (907) 474-7481
FAX: (907) 474-6841
Scope: Books, monographs, journals, magazines; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use by affiliated clients and general public.

State: Alaska
Contact: Librarian
Name: Seward Marine Station Library
Address: University of Alaska Institute of Marine Science
Box 730
Seward, AK 99664
Phone: (907) 224-5261
FAX: (907) 222-3392
Scope: Books, monographs, journals, magazines; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use by affiliated clients and general public.

State: California
Contact: Librarian
Name: Bio-Agricultural Library
Address: University of California
Riverside, CA 92521-0140
Phone: (909) 787-3238
Scope: Books, monographs, journals, magazines, extension publications; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use by affiliated clients and general public.

State: California
Contact: Librarian
Name: Biosciences Library-UC Berkeley
Address: University of California at Berkeley
40 Giannini Hall
Berkeley, CA 94720
Phone: (510) 642-2531
Scope: Books, monographs, journals, magazines; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use by affiliated clients and general public; some aquaculture materials can be borrowed by non-affiliated clients.

State: California
Contact: Librarian
Name: Hancock Library of Biology and Oceanography
Address: University of Southern California
University Park
Los Angeles, CA 90089-0372
Phone: (213) 740-7542
FAX: (213) 740-5140
Scope: Books, monographs, journals, magazines, newsletters; information services provided to affiliated clients and researchers; aquaculture materials available for on-site use by general public.

State: California
Contact: Librarian
Name: Humboldt State University
Address: University Library
Arcata, CA 95521
Phone: (707) 826-3418
Scope: Books, monographs, journals, magazines, audio-visual materials; information services provided to affiliated and non-affiliated clients; aquaculture materials available for on-site use by affiliated and non-affiliated clients with purchase of community card; aquaculture materials can be borrowed by non-affiliated clients with community card.

State: California
Contact: Librarian
Name: Scripps Institution of Oceanography Library
Address: University of California, San Diego
La Jolla, CA 92093
Phone: (619) 534-3274
FAX: (619) 534-5269
Scope: Books, monographs, journals, magazines; information provided to primary clientele with services to general public as staff resources permit; aquaculture materials are available for on-site use by all.

State: California
Contact: Librarian
Name: Shields Library
Address: University of California-Davis
Davis, CA 95616
Phone: (916) 752-6561
Scope: Books, monographs, journals, magazines; information provided to primary clientele with services to general public as staff resources permit; aquaculture materials are available for on-site use by all.

State: California
Contact: Librarian
Name: Water Resources Center Archives
Address: 410 O'Brien Hall
University of California at Berkeley
Berkeley, CA 94720
Phone: (415) 642-2666
FAX: (510) 642-9143
Scope: Books, monographs, journals, videos, U.S. Government documents.

State: Delaware
Contact: Aquaculture Specialist
Name: Delaware Aquaculture Resource Center
Address: College of Marine Studies
University of Delaware
Lewes, DE 19958
Phone: (302) 645-4060
FAX: (302) 645-4007
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Delaware
Contact: Librarian
Name: Delaware State College
Address: William C. Jason Library-Learning Center
Dover, DE 19901
Phone: (302) 739-5111
Scope: Books, monographs, journals, magazines, extension publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated clients and general public.

State: Florida
Contact: Coordinator Education Media/Communication
Name: Aquatic Weed Program Information and Retrieval Center
Address: University of Florida
2183 McCarty Hall
Gainesville, FL 32611
Phone: (904) 392-1799
Scope: Maintains a database of over 38,000 citations covering mostly Freshwater Macrophytes. Also have audio-visuals, drawings and posters; materials and services available free to the public.

State: Florida
Contact: Librarian
Name: Library-Florida Marine Research Institute
Address: 100 Eighth Ave. S.E.
St. Petersburg, FL 33701-5095
Phone: (813) 896-8626
Scope: Books, monographs, journals, magazines, newsletters, audiovisual materials, in-house publications, reprints; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Florida
Contact: Librarian
Name: Marston Science Library
Address: University of Florida
Gainesville, FL 32611-2020
Phone: (904) 392-2836
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Florida
Contact: Librarian
Name: Rosenthal School of Marine and Atmospheric Sciences Library
Address: University of Miami
4600 Rickenbacker Causeway
Miami, FL 33149
Phone: (305) 361-4007
Scope: Books, monographs, journals, magazines; non-affiliated clients on-site use only.

State: Georgia
Contact: Librarian
Name: University of Georgia
Address: Library-Skidaway Institute of Oceanography
#10 Ocean Science Circle
P.O. Box 13687
Savannah, GA 31411
Phone: (912) 598-2474
Scope: Books, monographs, journals, magazines, newsletters; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Georgia
Contact: Librarian
Name: Science Library
Address: Graduate Studies Bldg.
University of Georgia
Athens, GA 30602-7412
Phone: (706) 542-0691
Scope: Aquaculture information services provided to affiliated clients only; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Hawaii
Contact: Librarian
Name: Pacific Regional Aquaculture Information Service
Address: University of Hawaii
Hamilton Library
Science and Technology Reference Department
2550 the Mall
Honolulu, HI 96822
Phone: (808) 956-2540
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Idaho
Contact: Librarian
Name: University of Idaho Aquaculture Information Service (UIAIS)
Address: Aquaculture Institute
University of Idaho
Moscow, ID 83843
Phone: (208) 885-5992; (208) 885-5830
FAX: (208) 885-5968
Scope: (See Section IV: Electronic and Online Sources)

State: Illinois
Contact: Librarian
Name: Agriculture Library
Address: University of Illinois
1301 W. Gregory Dr.
Urbana, IL 61801
Phone: (217) 333-2416
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Iowa
Contact: Librarian
Name: Parks Library
Address: Iowa State University
Ames, IA 50011
Phone: (515) 294-3642
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: **Kansas**
Contact: Librarian
Name: Farrell Library
Address: Kansas State University
Manhattan, KS 66506
Phone: (913) 532-7418
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: **Kentucky**
Contact: Librarian
Name: Agriculture Library
Address: University of Kentucky
Agriculture Science Center-N
Lexington, KY 40546-0091
Phone: (606) 257-2758
Scope: Limited aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: **Kentucky**
Contact: Librarian
Name: Blazer Library
Address: Kentucky State University
Frankfort, KY 40601
Phone: (502) 227-6852
Scope: Books, monographs, journals, magazines, government documents; aquaculture information services; referrals by phone and in writing provided to affiliated clients; aquaculture materials available for on-site use by affiliated and non-affiliated clients.

State: **Louisiana**
Contact: Librarian
Name: Center for Wetland Resources Information Repository
Address: Louisiana State University
CWR Bldg., Rm. 103
Baton Rouge, LA 70803
Phone: (504) 388-8266

State: Louisiana
Contact: Librarian
Name: Louisiana State University
Address: Baton Rouge, LA 70803
Phone: (504) 338-4016
Scope: Books, monographs, journals, magazines, extension publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Maine
Contact: Librarian
Name: Fogler Library
Address: Science and Engineering Center
University of Maine
Orono, ME 14469
Phone: (207) 581-1691
Scope: Books, monographs, journals, magazines; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Maine
Contact: Librarian
Name: Ira C. Darling Marine Center Library
Address: University of Maine
Walpole, ME 04573
Phone: (207) 563-3146 Ext. 226

State: Maryland
Contact: Librarian
Name: Center for Environmental and Estuarine Studies Library
Address: Horn Point Environmental Lab Library
University of Maryland
Box 775
Cambridge, MD 21613
Phone: (410) 228-8200
FAX: (410) 476-5490
Scope: Books, journals.

State: Maryland
Contact: Librarian
Name: Frederick Douglas Library
Address: University of Maryland-Eastern Shore
Princess Anne, MD 21853
Phone: (410) 651-6621
Scope: Books, monographs, journals, magazines, computer applications, dissertations; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Maryland
Contact: Librarian
Name: University of Maryland-Libraries
Address: College Park, MD 20742-7011
Phone: (301) 405-9274
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Massachusetts
Contact: Librarian and Information Specialist
Name: Sea Grant Program Information Center
Address: Massachusetts Institute of Technology
E38-302
Cambridge, MA 02139
Phone: (617) 253-5944
FAX: (617) 258-5730
Scope: Journals, audiovisuals, monographs.

State: Michigan
Contact: Librarian
Name: Science Library
Address: Michigan State University
East Lansing, MI 48824
Phone: (517) 355-8494
Scope: Books, monographs, journals, magazines, newsletters, extension publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Minnesota
Contact: Librarian
Name: Entomology, Fisheries and Wildlife Library
Address: 375 Hodson Hall
1980 Follwell Ave.
St. Paul, MN 55108
Phone: (612) 624-9288
Scope: Aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Mississippi
Contact: Librarian
Name: Alcorn State University
Address: J.D. Boyd Library
P.O. Box 539
Lorman, MS 39096
Phone: (601) 877-6350
Scope: Books, monographs, journals, magazines, extension publications, audiovisual materials; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Mississippi
Contact: Librarian
Name: The Gunter Library
Address: Gulf Coast Research Laboratory
P.O. Box 7000
Ocean Springs, MS 39564-7000
Phone: (601) 872-4253
Scope: Books, monographs, journals, magazines, newsletters; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Missouri
Contact: Librarian
Name: Ellis Library
Address: Columbia, MO 65201-5149
Phone: (314) 882-1827
Scope: Books, monographs, journals, magazines, FAO technical papers, other; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Missouri
Contact: Librarian
Name: Inman E. Page Library
Address: 820 Chestnut St.
Jefferson City, MO 65101
Phone: (314) 681-5509
Scope: Books, monographs, journals, magazines, government documents; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Montana
Contact: Librarian
Name: Libraries
Address: Montana State University
Bozeman, MT 59717
Phone: (406) 994-5311
Scope: Books, monographs, journals, magazines, extension publications, computer applications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Nebraska
Contact: Librarian
Name: C.Y. Thompson Library
Address: University of Nebraska-Lincoln
38th and Holdrege Sts.
Lincoln, NE 68583-0717
Phone: (402) 472-2802
FAX: (402) 472-7005
Scope: Books, monographs, journals, magazines, extension publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Nevada
Contact: Librarian
Name: Life and Health Sciences Library
Address: University of Nevada
Reno, NV 89557
Phone: (702) 784-6616
Scope: Books, monographs, CD-ROMs; aquaculture information services provided to affiliated and non-affiliated clients.

State: New Jersey
Contact: Librarian
Name: Library of Science and Medicine-Rutgers University
Address: P.O. Box 1029
Piscataway, NJ 08855-1029
Phone: (908) 932-3850
Scope: Books, monographs, journals, magazines, in-house publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: New Mexico
Contact: Librarian
Name: University Library
Address: New Mexico State University
Box 30006
Las Cruces, NM 88003-0006
Phone: (505) 646-2932
Scope: Books, monographs, journals, magazines, extension publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: New York
Contact: Librarian
Name: Albert R. Mann Library
Address: Cornell University
Ithaca, NY 14853
Phone: (607) 255-2285
Scope: Books, monographs, journals, magazines, newsletters; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: North Carolina
Contact: Librarian
Name: F.D. Bluford Library
Address: North Carolina A&T State University
Greensboro, NC 27411
Phone: (919) 334-7782
Scope: Books, monographs, government documents; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: North Carolina
Contact: Librarian
Name: North Carolina State University Libraries
Address: Box 7111, NCSU
Raleigh, NC 27695-7111
Phone: (919) 515-2936
Scope: Books, monographs, journals, magazines, extension publications; aquaculture information services provided to affiliated clients; aquaculture materials are available for on-site use by affiliated clients.

State: Oregon
Contact: Librarian
Name: Hatfield Marine Science Center
Address: Oregon State University
2030 S. Marine Science Dr.
Newport, OR 97365
Phone: (503) 867-0249
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisuals; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Pennsylvania
Contact: Librarian
Name: Life Sciences Library
Address: Pennsylvania State University
E205 Pattee
University Park, PA 16802
Phone: (814) 865-3708
Scope: Books, monographs, journals, magazines; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

Commonwealth: Puerto Rico
Contact: Librarian
Name: Marine Sciences Collection
Address: University of Puerto Rico
Mayaguez Campus
P.O. Box 5000
Mayaguez, PR 00681-5000
Phone: (809) 265-3838 Ext. 2513 or 3684
Scope: Books, periodicals, U.S. Government documents.

State: Rhode Island
Contact: Manager
Name: National Sea Grant Depository
Address: Pell Library Bldg.
Narragansett Bay Campus
University of Rhode Island
Narragansett, RI 02882-1197
Phone: (401) 792-6114
Scope: Books, monographs, journals, audiovisuals, posters, maps, charts, government documents, State documents.

State: South Carolina
Contact: Head, Reference
Name: Robert Muldrow Cooper Library
Address: Clemson University
Clemson, SC 29634
Phone: (803) 656-3026
FAX: (803) 656-3025
E'mail: CUREF@clemson.clemson.edu
Scope: Books, journals, U.S. Government documents.

State: South Carolina
Contact: Librarian
Name: S.C. Sea Grant Consortium
Address: 287 Meeting St.
Charleston, SC 29401
Phone: (803) 727-2078
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisual materials, in-house publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Texas
Contact: Librarian
Name: Sterling C. Evans Library
Address: Texas A&M University (TAMU)
College Station, TX 77843-5000
Phone: (409) 845-5741
Scope: Books, monographs, journals, magazines, newsletters, extension publications, audiovisuals, in-house publications, computer applications, indexes, abstracts; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated clients.

State: Vermont
Contact: Librarian
Name: Bailey/Howe Library
Address: University of Vermont
Burlington, VT 05405
Phone: (802) 656-1950
Scope: Aquaculture information services provided to affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Virginia
Contact: Librarian
Name: Johnston Memorial Library
Address: Virginia State University
P.O. Box 9406
Petersburg, VA 23806
Phone: (804) 524-5582
Scope: Aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Virginia
Contact: Librarian
Name: University Libraries
Address: Virginia Polytechnic and State University
P.O. Box 90001
Blacksburg, VA 24061-9001
Phone: (703) 231-9248
Scope: Books, monographs, journals, magazines, newsletters, extension publications; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

State: Washington
Contact: Librarian
Name: Science and Engineering Library
Address: Washington State University
Pullman, WA 99164-3200
Phone: (509) 335-4181
Scope: Books, monographs, journals, magazines; aquaculture information services provided to affiliated and non-affiliated clients; aquaculture materials are available for on-site use by affiliated and non-affiliated clients.

Section II: Federal and State Libraries

Please contact the library prior to your visit to determine the extent of services that are provided to non-affiliated clients. Many facilities are unstaffed. Some of the information provided was based on a survey completed by the Aquaculture Information Center in 1992.

State: Alabama

Contact: Secretary/Librarian
Name: Gulf Coast Seafood Laboratory
Address: Food and Drug Administration
Box 158
Dauphin Island, AL 36528
Phone: (205) 694-4480

State: Alaska

Contact: Librarian
Name: Alaska Fish and Game Library
Address: P.O. Box 240020
Douglas, AK 99824
Phone: (907) 465-4119
FAX: (907) 586-9522
Scope: Books, U.S. Government documents, State documents, theses, periodicals.

State: Alaska

Contact: Director
Name: National Marine Fisheries Service
Address: W.F. Thompson Memorial Library
P.O. Box 1638
Kodiak, AK 99615
Phone: (907) 487-4961
Scope: Books, U.S. Government documents, State documents, periodicals; in-house use only.

State: Alaska

Contact: Librarian
Name: National Marine Fisheries Service, Auke Bay Fisheries Laboratory Library
Address: 11305 Glacier Hwy.
Juneau, AK 99801-8626
Phone: (907) 789-6009 or 789-6010
Scope: Books, monographs, journals, magazines, newsletters, extension publications.

State: Arizona
Contact: Librarian
Name: Arizona Game and Fish Library
Address: 2221 W. Greenway Rd.
Phoenix, AZ 85023
Phone: (602) 942-3000
FAX: (602) 789-3920
Scope: Books, periodicals, documents, theses, audiovisuals.

State: Arkansas
Contact: Director
Name: Fish Farming Experimental Station Library
Address: U.S. Fish and Wildlife Service
Box 860
Stuttgart, AR 72160
Phone: (501) 673-8761

State: California
Contact: Librarian
Name: California Resources Agency Library
Address: 1416 9th St. Rm. 117
Sacramento, CA 95814
Phone: (916) 653-2225
Scope: Books, periodicals, U.S. Government documents, State documents, theses, PhD dissertations; limited access, limited hours.

State: California
Contact: Librarian
Name: Southwest Fisheries Science Center Library
Address: National Marine Fisheries Service
P.O. Box 271
8604 La Jolla Shores Dr.
La Jolla, CA 92038-0271
Phone: (619) 546-7038
FAX: (619) 546-7003
E'mail: (Omnet) nmfs.sw.library
Scope: Books, monographs, journals, magazines, newsletters, technical reports, fiche, CD-ROMS, posters, maps.

State: California
Contact: Librarian
Name: Tiburon Laboratory Library
Address: National Marine Fisheries Service
S.W. Fisheries Center
3150 Paradise Dr.
Tiburon, CA 94920
Phone: (415) 435-3149
Scope: Books, monographs, journals, magazines, CD-ROMS; Restricted use, by appointment only.

State: Colorado
Contact: Librarian
Name: Colorado Division of Wildlife
Address: Film Library
6060 Broadway
Denver, CO 80216
Phone: (303) 291-7319
Scope: Books, periodicals, U.S. Government documents, theses, audiovisuals.

State: Colorado
Contact: Librarian
Name: Colorado Division of Wildlife Library
Address: 317 W. Prospect
Fort Collins, CO 80526-2097
Phone: (303) 484-2836 x370
FAX: (303) 490-2621
Scope: Books, State documents, theses, periodicals, U.S. Government documents, audiovisuals.

State: Connecticut
Contact: Librarian
Name: Milford Laboratory Library
Address: National Marine Fisheries Service
212 Rogers Ave.
Milford, CT 06460
Phone: (203) 783-4234
Scope: Limited access.

State: Florida
Contact: Librarian
Name: Florida Geological Survey Library
Address: 903 W. Tennessee St.
Tallahassee, FL 32304
Phone: (904) 488-9380
FAX: (904) 488-8086
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Florida
Contact: Head Librarian
Name: Miami Laboratory Library
Address: Southeast Fisheries Center
National Marine Fisheries Service
75 Virginia Beach Dr.
Miami, FL 33149
Phone: (305) 361-4229

State: Florida
Contact: Librarian
Name: Panama City Laboratory Library
Address: Southeast Fisheries Center
National Marine Fisheries Service
3500 Delwood Beach Rd.
Panama City, FL 32407-7497
Phone: (904) 234-6541

State: Florida
Contact: Librarian
Name: U.S. National Oceanic and Atmospheric Administration
Address: Miami Library
4301 Rickenbacker Causeway
Miami, FL 33149
Phone: (305) 361-4429
FAX: (305) 361-4429
Scope: Books, monographs, journals, magazines, newsletters, extension publications, in-house publications.

State: Georgia
Contact: Librarian
Name: Gray's Reef National Marine Sanctuary
Address: National Oceanic and Atmospheric Administration
#30 Ocean Science Circle
P.O. Box 13687
Savannah, GA 31411
Phone: (912) 598-2345

State: Georgia
Contact: Librarian
Name: Skidaway Institute of Oceanography Library
Address: P.O. Box 13687
Savannah, GA 31416
Phone: (912) 356-2474

State: Hawaii
Contact: Librarian
Name: Hawaii Division of Aquatic Resources
Address: Anuenue Fisheries Research Center Library
Area 4, Sand Island
Honolulu, HI 96819
Phone: (808) 845-9561
FAX: (808) 845-4334
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Hawaii
Contact: Librarian
Name: National Marine Fisheries Service, S.W. Fisheries Center
Address: Honolulu Laboratory Library
2570 Dole St.
Honolulu, HI 96822-2396
Phone: (808) 943-1221

State: Idaho
Contact: Librarian
Name: Idaho Fish and Game Library
Address: P.O. Box 25
600 South Walnut
Boise, ID 83707
Phone: (208) 334-4697
FAX: (208) 334-2114
Scope: Books, U.S. Government documents, State documents, theses, audiovisuals, periodicals.

State: Iowa
Contact: Librarian
Name: Iowa Department of Natural Resources
Address: Wallace State Office Bldg.
Des Moines, IA 50319-0034
Phone: (515) 242-5818
FAX: (515) 281-8895
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Kansas
Contact: Librarian
Name: Kansas Reference Center
Address: 512 S.E. 25th Ave.
Pratt, KS 67124-8174
Phone: (316) 672-5911 x209
FAX: (316) 672-6020
Scope: Employee in-house use only.

State: Kentucky
Contact: Biologist
Name: Kentucky Department of Fish and Wildlife Resources
Address: Fish Lab, #1 Game Farm Rd.
Frankfort, KY 40601
Phone: (502) 564-5448
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Louisiana
Contact: Librarian
Name: Louisiana Department of Wildlife and Fisheries Library
Address: P.O. Box 98000
Baton Rouge, LA 70898-9000
Phone: (504) 765-2934
FAX: (504) 765-2818
Scope: Books, audiovisuals, periodicals, U.S. Government documents, State documents, theses.

State: Maine
Contact: Librarian
Name: Maine Department of Inland Fisheries and Wildlife
Address: Wildlife Library
650 State St.
Bangor, ME 04401-5654
Phone: (207) 941-4466
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Maryland
Contact: Librarian/Technical Information Specialist
Name: Aquaculture Information Center
Address: National Agricultural Library (NAL)
10301 Baltimore Blvd.
Beltsville, MD 20705-2351
Phone: (301) 504-5558
FAX: (301) 504-6409
E'mail: aic@nalusda.gov
Bul. Board: Agricultural Library Forum (ALF)
(2400 baud, 8 data bits, no parity, 1 stop bit)
Modem: 301-504-5496 or 504-5497 or 504-5111 or 504-6510
Scope: Books, periodicals, U.S. Government documents, USDA publications, State documents, audiovisuals all specifically on aquaculture. [See also Section IX: Federal Agencies and Administrative Offices; U.S. Department of Agriculture, National Agricultural Library]

State: Maryland
Contact: Librarian
Name: Fish and Wildlife Reference Service
Address: 5430 Grosvenor Lane, Ste. 110
Bethesda, MD 20814
Phone: 1-800-582-3421, (301) 492-6403
FAX: (301) 564-4059
Scope: State reports under Fish and Wildlife Legislative Acts, AID program (unpublished), some Fish and Wildlife Service Reports.

State: Maryland
Contact: Director
Name: Medical Library, HFN-98
Address: Center for Drugs and Biologics
Food and Drug Administration
5600 Fishers Lane, Rm 11B-07
Rockville, MD 20857
Phone: (301) 443-3180

State: Maryland
Contact: Director
Name: National Atmospheric and Oceanic Administration Central Library
Address: 1315 East West Hwy.
2nd Floor, SSMC3
Silver Spring, MD 20910
Phone: (301) 713-2607
FAX: (301) 713-4598
Scope: Books, periodicals, U.S. Government documents, National Atmospheric and Oceanic Administration documents.

State: Maryland
Contact: Librarian
Name: Office of Ocean and Coastal Resources
Address: East West Hwy.
SSMC4 Rm. 10202
Silver Spring, MD 20910
Phone: (301) 713-3094

State: Maryland
Contact: Librarian
Name: Oxford Laboratory Library
Address: Northeast Fisheries Center
National Marine Fisheries Service
Oxford, MD 21654
Phone: (410) 226-5193 Ext. 34

State: Massachusetts
Name: Massachusetts Division of Fisheries and Wildlife Library
Address: Field Headquarters
1 Rabbit Hill Rd.
Westborough, MA 01581
Phone: (508) 792-7270
FAX: (508) 792-7295

State: Massachusetts
Contact: Librarian
Name: Northeast Region
Address: National Oceanic and Atmospheric Administration
Fisheries Library
One Blackburn Dr.
Gloucester, MA 01930
Phone: (508) 281-9300 Ext. 404
Scope: Journals, magazines, newsletters, computer applications.

State: Massachusetts
Contact: Librarian
Name: Northeast Fisheries Center
Address: Woods Hole Laboratory Library
National Marine Fisheries Service
166 Water St.
Woods Hole, MA 02543
Phone: (508) 548-5123

State: Michigan
Contact: Librarian
Name: Fisheries Division Library
Address: Michigan Department of Natural Resources
212 Museums Annex Bldg.
Lansing, MI 48109-1084
Phone: (313) 663-3554
Scope: Library is for staff use only.

State: Minnesota
Contact: Director or Reference Librarian
Name: Minnesota Department of Natural Resources Library
Address: 500 Lafayette Rd., Box 21
St. Paul, MN 55155-4021
Phone: (612) 296-1305
FAX: (612) 296-3500
Scope: Books, U.S. Government documents, State documents, theses, PhD dissertations, periodicals, audiovisuals.

State: Mississippi
Contact: Librarian
Name: Mississippi Museum of Natural Science
Address: Library
111 N. Jefferson St.
Jackson, MS 39202
Phone: (601) 354-7303
FAX: (601) 354-7227
Scope: Books, U.S. Government documents, State documents, theses, audiovisuals, periodicals.

State: Mississippi
Contact: Librarian
Name: Pascagoula Laboratory Library
Address: National Marine Fisheries Service
3209 Frederic St.
Pascagoula, MS 39567
Phone: (601) 762-4591 Ext. 64

State: Missouri
Contact: Librarian
Name: Missouri Department of Conservation
Address: Media Library
2901 W. Truman Blvd.
Jefferson City, MO 65109
Phone: (314) 751-4115 Ext. 205
Scope: Books, periodicals, U.S. Government documents, State documents, theses, PhD dissertations, audiovisuals.

State: Montana
Contact: Librarian
Name: Fish Technology Center
Address: U.S. Fish and Wildlife Service
4050 Bridger Canyon Rd.
Bozeman, MT 59715
Phone: (406) 587-9265

State: Montana
Contact: Librarian
Name: Montana Department of Fish, Wildlife and Parks
Address: 1420 6th Ave.
P.O. Box 200701
Helena, MT 59620-0701
Phone: (406) 444-3187
FAX: (406) 444-4952
Scope: Library contains fisheries materials only.

State: Nebraska
Name: Librarian
Name: Nebraska Game and Parks Commission
Address: P.O. Box 30370
2200 N. 33rd
Lincoln, NE 68503
Phone: (402) 471-5587
FAX: (402) 471-5528
Scope: Books, U.S. Government documents, State documents, periodicals, theses, PhD dissertations.

State: New Hampshire
Contact: Librarian
Name: New Hampshire Fish and Game
Address: 2 Hazen Dr.
Concord, NH 03301
Phone: (603) 271-2501
Scope: New library in process.

State: New Jersey
Contact: Librarian
Name: National Marine Fisheries Service
Address: Sandy Hook Laboratory
Lionel A. Walford Library
Bldg. 74
Highlands, NJ 07732
Phone: (908) 872-3000 Ext. 3045 or 3035

State: New York
Contact: Librarian
Name: New York Department of Environmental Conservation
Address: Wildlife Library
50 Wolf Rd., Rm. 526
Albany, NY 12233-4754
Phone: (518) 457-4480
Scope: Library is principally for use by staff; loans made via special arrangement on a limited basis.

State: New York
Contact: Library Director
Name: Tunnison Laboratory of Fish Nutrition
Address: U.S. Fish and Wildlife Service
3075 Gracie Rd.
Cortland, NY 13045
Phone: (607) 753-9391

State: North Carolina
Contact: Librarian
Name: National Marine Fisheries Service
Address: Southeast Fisheries Center
Beaufort Laboratory Library
Rice Library
101 Pivers Island Rd.
Beaufort, NC 28516-9722
Phone: (919) 728-8713
FAX: (919) 728-8784
Scope: Books, monographs, journals, magazines.

State: Pennsylvania
Contact: Librarian
Name: Pennsylvania Game Commission
Address: Library
2001 Elmerton Ave.
Harrisburg, PA 17110-9797
Phone: (717) 787-9229
FAX: (717) 772-2411
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

Common-wealth: Puerto Rico
Contact: Librarian
Name: Puerto Rico Department of Natural Resources
Address: Library
Box 5887
Puerta de Tierra, PR 00906
Phone: (809) 724-8774
Scope: Books, U.S. Government documents, State documents, theses, periodicals, audiovisuals.

State: Rhode Island
Contact: Manager
Name: National Sea Grant Depository
Address: University of Rhode Island Bay Campus
Pell Library Bldg.
Narragansett, RI 02882
Phone: (401) 792-6114

State: South Carolina
Contact: Librarian
Name: National Atmospheric and Oceanic Administration
Address: Southeast Fisheries Center
Charleston Laboratory Library
P.O. Box 12607
Charleston, SC 29422
Phone: (803) 762-1200 Ext. 1985

State: South Carolina

Contact: Librarian
Name: South Carolina Marine Resources Division Library
Address: P.O. Box 12559
Charleston, SC 29412
Phone: (803) 762-5026
FAX: (803) 762-5110

State: South Carolina

Contact: Librarian
Name: South Carolina State Wildlife and Marine
Resources Department Library
Address: Box 12559
Charleston, SC 29412
Phone: (803) 762-5026

State: South Dakota

Contact: Librarian
Name: South Dakota Department of Game, Fish and Parks
Address: Joe Foss Bldg.
523 E. Capitol
Pierre, SD 57501-3185
Phone: (605) 773-3718
Scope: Library is for in-house use only.

State: Tennessee

Contact: Librarian
Name: Tennessee Valley Authority
Address: Corporate Library
400 W. Summit Hill Dr.
WT 3C-K
Knoxville, TN 37902
Phone: (615) 632-3464

State: Texas
Contact: Librarian
Name: National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Address: Galveston Laboratory
4700 Ave. U
Galveston, TX 77551-5997
Phone: (409) 766-3509
Scope: Books, periodicals, NOAA documents, Fish and Wildlife documents, microfiche. Library use by appointment only.

State: Texas
Contact: Librarian
Name: Texas Parks and Wildlife Department
Address: Library
4200 Smith School Rd.
Austin, TX 78744
Phone: (512) 389-4960
FAX: (512) 389-4450
Scope: Books, U.S. Government documents, State documents, theses, periodicals, audiovisuals.

State: Utah
Contact: Librarian
Name: Utah Division of Wildlife Resources
Address: 1596 W North Temple
Salt Lake City, UT 84116-3195
Phone: (801) 538-4728
FAX: (801) 538-4709
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals. Library open only to State employees.

Territory: Virgin Islands
Contact: Librarian
Name: Virgin Islands Department of Planning and Natural Resources
Address: Ste. 231 Nisky Center
St. Thomas, VI 00803
Phone: (809) 774-3407
Scope: New library is in process.

State: Virginia
Contact: Librarian
Name: The Cousteau Society
Address: 870 Greenbrier Circle
Ste. 402
Chesapeake, VA 23320
Phone: (804) 523-9335
FAX: (804) 523-2747
Scope: Books, monographs, journals, magazines, extension publications, in-house publications.

State: Washington
Contact: Librarian
Name: National Oceanic and Atmospheric Administration
Address: Library, E/OC43
7600 Sand Point Way
N.E. Bldg. 3
Seattle, WA 98115
Phone: (206) 526-6241

State: Washington
Contact: Librarian
Name: Natural Resources Building Library
Address: 111 Washington St. S.E. MS 47000A
P.O. Box 47000
Olympia, WA 98504-7000
Phone: (206) 902-2992
E'mail: wsl-nrb@wln.com
Scope: Books, periodicals, U.S. Government documents, State documents, theses, audiovisuals.

State: Washington
Contact: Director
Name: Research and Information Center
Address: Abernathy Salmon Culture Technology Center
U.S. Fish and Wildlife Service
1440 Abernathy Rd.
Longview, WA 98632
Phone: (206) 425-6072
FAX: (206) 636-1855

State: West Virginia
Contact: Technical Information Officer
Name: National Fisheries Center
Address: Technical Information Services
U.S. Fish and Wildlife Service
Box 700
Kearneysville, WV 25430
Phone: (304) 725-8461

State: Wisconsin
Contact: Technical Information Officer
Name: National Biological Survey Library
Address: U.S. Fish and Wildlife Service
Box 818
La Crosse, WI 54602-0818
Phone: (608) 783-6451
FAX: (608) 783-6066
Scope: Books, periodicals.

State: Wisconsin
Contact: Librarian
Name: Wisconsin Department of Natural Resources Library
Address: 101 S. Webster
P.O. Box 7921
Madison, WI 53707
Phone: (608) 266-8933
FAX: (608) 264-6293
Scope: Books, U.S. Government documents, State documents, theses, audiovisuals, periodicals.

State: Wisconsin
Contact: Librarian
Name: Wisconsin Department of Natural Resources
Address: Research Library
1350 Femrite Dr.
Monona, WI 53716-3736
Phone: (608) 221-6325
FAX: (608) 221-6353
Scope: Books, U.S. Government documents, State documents, theses, periodicals, audiovisuals.

State: Wyoming
Contact: Librarian
Name: Wyoming Game and Fish Library
Address: 5400 Bishop Blvd.
Cheyenne, WY 82006
Phone: (307) 777-4541
FAX: (307) 777-4610
Scope: Books, periodicals, U.S. Government documents, State documents, theses,
audiovisuals.

Section III: Journals and Newsletters

The list which follows is selective and not meant to be comprehensive. Many other journals and newsletters exist which cover various topics on aquaculture. New journal titles are published annually. Many of these are also available at large public and university libraries. Unlike other listings in this guide, this section lists resources alphabetically by title rather than by geographic location.

Name: AFS Southern Division Newsletter
Address: Braven Beauty, Editor
Department of Fisheries and Wildlife Sciences
Virginia Tech
Blacksburg, VA 24061
Phone: (703) 231-5320
Frequency: Biannually

Name: Agricultural Economic Notes
Address: U.S. Department of Agriculture
Mississippi Cooperative Extension Service
Mississippi State University, MS 39762

Name: Alabama Catfish Producer
Address: Alabama Farmers Federation
Attn: Jimmy Carlisle
Catfish Division
P.O. Box 11000
Montgomery, AL 36191
Phone: (205) 613-4217
FAX: (205) 284-3957

Name: Alabama Seafood Report
Address: U.S. Department of Agriculture
Alabama Cooperative Extension Service
Duncan Hall
Auburn University, AL 36849
OR
Brian Perkins
AUMERC
4170 Commanders Dr.
Mobile, AL 36615-1413
Phone: Brian Perkins, (205) 438-5690
FAX: Brian Perkins, (205) 438-5670

Name: Alaska Mariculture Report

Address: Alaska Mariculture Association
130 Seward St., Ste. 201
Juneau, AK 99801

Phone: (907) 463-3600

Frequency: Monthly

Name: Alaska Marine Resource Quarterly

Address: Marine Advisory Program
University of Alaska
2221 E. Northern Lights
Carlton Trust Bldg., Ste. 110
Anchorage, AK 99508-4140

Phone: (907) 274-9691

Frequency: Quarterly

Name: American Tilapia Association

Address: Curtis Stutzman, Editor
4943 Cosgrove Rd., S.W.
Kalona, IA 52247

Name: Aqua

Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK

Phone: 44-865-791-927

Name: Aquaculture

Address: Elsevier Science Publishing Co., Inc.
Journal Information Center
655 Avenue of the Americas
New York, NY 10010

Phone: (212) 633-3750

Name: Aquaculture and Fisheries

Address: Guam Cooperative Extension Service
College of Agriculture and Life Sciences
University of Guam
UOG Station
Mangilao, GU 96923

Name: Aquaculture and Fisheries Management

Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK

Phone: 44-865-791-927

Name: Aquacultural Engineering

Address: Elsevier Science Publishing Co., Inc.
Journal Information Center
655 Avenue of the Americas
New York, NY 10010

Phone: (212) 633-3750

Name: Aquaculture in Hawaii
See: Hawaii Aquaculture

Name: The Aquaculture Industry: An Analyst's Report

Address: The Davlin Corporation
P.O. Box 800
Pauma Valley, CA 92061-0800

Phone: (619) 742-4200

FAX: (619) 742-4251

Frequency: Intermittent

Name: Aquaculture Magazine

Address: Subscription Department
P.O. Box 2329
Asheville, NC 28802

Phone: (704) 254-7334

Frequency: Bimonthly

Name: Aquaculture Newsletter International

Address: 3 Pinefield
Weston, CT 06883

Phone: 1-800-NATURE2

FAX: (203) 221-8269

Frequency: Monthly

Name: Aquaculture Situation and Outlook Report

Address: U.S. Department of Agriculture
Economic Research Service
1301 New York Ave. N.W.
Washington, DC 20005-4788

Phone: 1-800-999-6779

FAX: (703) 834-0110

Frequency: Biannually

Name: Aquaculture Today

Address: 831 Helmcken St.
Vancouver, BC
CANADA V6Z 1B1

Phone: (604) 689-4391

Frequency: Quarterly

Name: Aquafarm Letter

Address: Box 14260
Benjamin Franklin Station
Washington, DC 20044

Frequency: Biweekly

Name: Aquanotes

Address: Communications Office
Louisiana Sea Grant College Program
Louisiana State University
Baton Rouge, LA 70803-7507

Frequency: Quarterly

Name: Aquaphyte

Address: University of Florida
Center for Aquatic Plants
Institute of Food and Agricultural Sciences
7922 N.W. 71st St.
Gainesville, FL 32606

Phone: (904) 392-9613

Frequency: Quarterly

Name: Aquatic Botany
Address: Elsevier Science Publishing Co., Inc.
Journal Information Center
655 Avenue of the Americas
New York, NY 10010
Phone: (212) 633-3750

Name: Aquatic Plant Control Research Program
Address: Department of the Army
Corps of Engineers
Waterways Experiment Station
3309 Halls Ferry Rd.
Vicksburg, MS 39180-6199
Frequency: Intermittent

Name: Aquatic Toxicology
Address: Elsevier Science Publishing Co., Inc.
Journal Information Center
655 Avenue of the Americas
New York, NY 10010
Phone: (212) 633-3750

Name: Aquatics
Address: P.O. Box 24680
West Palm Beach, FL 33416
Frequency: Quarterly

Name: Arkansas Aquafarming
Address: Cooperative Extension Service
University of Arkansas
1201 McAlmont, P.O. Box 391
Little Rock, AR 72203
Frequency: 6x/yr

Name: Atlantic Fish Farming
Address: Island Press, Ltd.
P.O. Box 790
Montague, PEI
CANADA C0A 1R0
Phone: (902) 838-2515
FAX: (902) 838-4392
Frequency: Monthly

Name: Bioengineering Newsletter

Address: American Fisheries Society
5410 Grosvenor Lane, Ste. 110
Bethesda, MD 20814

Name: CTAS Report

Address: College of Tropical Agriculture and Science
P.O. Box 1179
Kolonias, Pohnpei, FSM 96941

Name: California Aquaculture

Address: Aquaculture Extension
University of California
Davis, CA 95616

Phone: (916) 752-7490

Name: California Aquatic Farming

Address: California Aquaculture Association
P.O. Box 1004
Niland, CA 92257

Phone: (619) 359-FISH

Frequency: Quarterly

Name: Canadian Journal of Fisheries and Aquatic Sciences

Address: Research Journals
National Research Council of Canada
Ottawa, ON, Canada K1A 0R6

Phone: (613) 993-9084

FAX: (613) 952-7656

Frequency: Monthly

Name: Catfish Farmers of Arkansas Newsletter

Address: 31 Linda Lane W.
Vilonia, AR 72173

Phone: (501) 796-2539

FAX: (501) 796-2539

Frequency: Quarterly

Name: **Catfish Journal (The)**

Address: P.O. Box 55648
Jackson, MS 39296

Phone: (601) 956-6702

FAX: (601) 956-4047

Frequency: Monthly

Name: **Catfish Processing Report**

Address: Agricultural Statistics Board
USDA-NASS ED LD&PB
5906 South Building
Washington, DC 20277-2585

Phone: 1-800-999-6779
(202) 720-3244

Frequency: Monthly

Name: **Catfish Production Report**

Address: Agricultural Statistics Board
USDA-NASS ED LD&PB
5906 South Building
Washington, DC 20277-2585

Phone: 1-800-999-6779
(202) 720-6147

Frequency: Quarterly

Name: **Coast and Sea**

Address: Office of Communications
Louisiana Sea Grant Program
Louisiana State University
Baton Rouge, LA 70803-4507

Phone: (508) 388-6448

Frequency: Quarterly

Name: **Coastal Educator News**

Address: New Sea Grant, Farm and Home Center
21 S. Grove St.
East Aurora, NY 14052-2398

Frequency: 6x/yr

Name: Coastal Heritage
Address: South Carolina Sea Consortium
287 Meeting St.
Charleston, SC 29401
Phone: (803) 727-2078
Frequency: Quarterly

Name: Coastlines
Address: New York Sea Grant
117 Nassau Hall
SUNY at Stony Brook
Stony Brook, NY 11794-5001
Frequency: Annually

Name: Commercial Fisheries News
Address: P.O. Box 37
Stonington, ME 04681
Phone: (207) 367-2396
FAX: (207) 367-2490

Name: Delaware Sea Grant Reporter
Address: University of Delaware
Sea Grant College Program
Newark, DE 19716

Name: Ecological Modelling
Address: Elsevier Science Publishing Co., Inc.
Journal Information Center
655 Avenue of the Americas
New York, NY 10010
Phone: (212) 633-3750
FAX: (212) 633-3764
Frequency: Monthly

Name: Environmental Biology of Fishes
Address: Kluwer Academic Publishers
101 Philip Dr.
Norwell, MA 02061
Frequency: Quarterly

Name: Farm Pond Harvest
Address: 1390 N 14500 E. Rd.
Momence, IL 60954
Phone: (815) 472-2686

Name: Fish Farm News (The)
Address: RR4, Site 465 C-37
Courtenay, B.C. V9N 7J3
Canada
Phone: (604) 338-2455

Name: Fish Farming International
Address: Mead House
21 John St.
London WC1N 2BP
ENGLAND
Frequency: Monthly
Phone: (813) 346-2290

Name: Fish Farming News
Address: P.O. Box 37
Stonington, ME 04681
Phone: (207) 367-2396
FAX: (207) 367-2490
Frequency: Bimonthly

Name: Fish Health Section Newsletter
Address: American Fisheries Society
5410 Grosvenor Lane, Ste. 110
Bethesda, MD 20814
Phone: (301) 897-8616
Frequency: Quarterly

Name: Fisheries
Address: American Fisheries Society
5410 Grosvenor Lane
Ste. 110
Bethesda, MD 20814
Phone: (301) 897-8616
Frequency: Monthly

Name: Fisheries and Aquaculture Newsletter

Address: Frank Dalziel
Aquaculture and Fisheries Department
Malaspina University College
900 Fifth St.
Nanaimo, BC V9R 5S5
CANADA

Phone: (604) 741-8739

Frequency: Intermittent

Name: Fisheries and Oceanography

Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK

Phone: 44-865-791-927

Name: Fisheries Product News

Address: P.O. Box 37
Stonington, ME 04681-9988

Phone: (207) 367-2396

FAX: (207) 367-2490

Frequency: Bimonthly

Name: Fisheries Review

Address: USDI/USFWS
The Government Printing Office
Superintendent of Documents
Washington, DC 20402

Name: Florida Aquaculture Association Newsletter

Address: P.O. Box 1519
Winter Haven, FL 33882

Phone: (813) 293-5710

Frequency: Biannually

Name: Forestry-Wildlife and Fisheries

Address: Forestry-Wildlife-Fisheries Bldg.
Louisiana State University
Baton Rouge, LA 70803-6200

Name: **Fresh Tales**
Address: Washington Farm Salmon Commission
P.O. Box 5305
Bellingham, WA 98227
Phone: (206) 671-1997
Frequency: Bimonthly

Name: **Fresh Water Biology**
Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK
Phone: 44-865-791-927

Name: **Gulf Coast Fisherman**
Address: Sea Grant Advisory Service
4646 Beach Blvd., Ste. 1-E
Biloxi, MS 39531
Phone: (601) 388-4710

Name: **Gulfwatch**
Address: NACD, P.O. Box 855
League City, TX 77574-0855
Phone: (713) 332-3402
Frequency: 6x/yr

Name: **Hawaii Aquaculture**
Continues: Aquaculture in Hawaii
Address: Aquaculture Development Program
Department of Land and Natural Resources
335 Merchant St., Ste. 348
Honolulu, HI 96813
Phone: (808) 587-0030
FAX: (808) 587-0033
Frequency: Quarterly

Name: Hawaii's Pond to Plate
Address: Aquaculture Development Program
Department of Land and Natural Resources
335 Merchant St., Ste. 348
Honolulu, HI 96813
Phone: (808) 587-0030
FAX: (808) 587-0033

Name: ICAAE Communicae
Address: International Center for Aquaculture
Department of Fisheries and Allied Aquaculture
Agricultural Experiment Station
Auburn University, AL 36849-5419
Frequency: Monthly

Name: ICMRD Newsletter
Address: The University of Rhode Island
International Center for Marine Resource Division
126 Woodward Hall
Kingston, RI 02281-0804
Phone: (401) 792-2479
Frequency: [Publication temporarily suspended]

Name: IDRC Reports
Address: Distribution and Marketing Unit
Communications Division, IDRC
POB 1500
Ottawa, CANADA K1G 3H9
Phone: (613) 236-6163
FAX: (613) 238-7230
Frequency: Quarterly

Name: Idaho Aquaculture News
Address: University of Idaho
Aquaculture Research Institute
Moscow, ID 83844-2260
Phone: (208) 885-5830
FAX: (208) 885-5968
Frequency: Quarterly

Name: **Journal of Applied Aquaculture**

Address: The Haworth Press, Inc.
10 Alec St.
Binhampton, NY 13904-9981

Phone: (800) 342-9678

Name: **Journal of Applied Food Product Technology**

Address: The Haworth Press, Inc.
10 Alec St.
Binhampton, NY 13904-9981

Phone: (800) 342-9678

Name: **Journal of Aquatic Animal Health**

Address: American Fisheries Society
5410 Grosvenor Lane, Ste. 110
Bethesda, MD 20814

Phone: (301) 897-8616

Frequency: Quarterly

Name: **Journal of Fish Biology**

Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK

Phone: 44-865-791-927

Name: **Journal of The Fisheries Research Board of Canada**
Continued by: Canadian Journal of Fisheries and Aquatic Sciences

Name: **Journal of Nutrition**

Address: American Institute of Nutrition
9650 Rockville Pike
Bethesda, MD 20814-3990

Phone: (301) 530-7027

FAX: (301) 571-1892

Frequency: Monthly

Name: **Journal of the World Aquaculture Society**

Address: WAS, 143 JM Parker Coliseum
Louisiana State University
Baton Rouge, LA 70803

Name: **Kentucky Fish Farming**

Address: Agriculture Research Center
U.S. Department of Agriculture
Kentucky State University
Frankfort, KY 40601

Frequency: Quarterly

Name: **MIT Quarterly Report**

Address: MIT Sea Grant Program, E38-302
292 Main St.
Cambridge, MA 02139-9910

Frequency: Quarterly

Name: **Makai (newsletter)**

Address: Sea Grant Communications Office
1000 Pope Rd.
MSB 200
Honolulu, HI 96822

Phone: (808) 956-7410

Frequency: Monthly

Name: **Marine Biology**

Address: Springer-Verlag New York Inc.
Service Center Secaucus
44 Hartz Way
Secaucus, NJ 07094

Phone: (201) 348-4033

FAX: (201) 348-4505

Frequency: 16 issues per year

Name: **Marine Science Center News**

Address: Marine Science Center
Northeastern University
Nahant, MA 01908

Phone: (617) 581-7370

Frequency: Annually

Name: Maryland Aquafarmer Information
Address: U.S. Department of Agriculture
University of Maryland System
Cooperative Extension
Maryland Institute for Agriculture and Natural Resources
3300 Metzert Rd.
Adelphi, MD 20783
Phone: (410) 827-8056
FAX: (410) 827-9039
Frequency: Quarterly

Name: Maryland Sea Grant
Address: University of Maryland
1222 J. J. Patterson Hall
College Park, MD 20742
Frequency: Quarterly

Name: Molecular Marine Biology and Biotechnology
Address: Blackwell Scientific Publications
Journal Subscriptions Department
Marston Book Services
P.O. Box 87
Oxford, OX20E1, UK
Phone: 44-865-791-927

Name: NAA-National Aquaculture Association
Address: P.O. Drawer 1569
Shepherdstown, WV 25445
Frequency: Quarterly

Name: NASAC Notes
Address: Delayne Holsapple, Editor
c/o Illinois Department of Agriculture
Division of Marketing and Promotion
State Fair Grounds
P.O. Box 19281
Springfield, IL 62794-9281
Phone: (217) 524-5960
Frequency: Quarterly

Name: NCRAC Journal

Address: Office of the Editor, NCRAC Journal
Department of Animal Ecology
124 Sciences II
Iowa State University
Ames, IA 50011

Phone: (515) 294-5280

Frequency: Biannually

Name: NCRI News

Address: 528 S.W. Mill, Ste. 250
P.O. Box 751
Portland, OR 97207

Phone: (503) 725-5725

Frequency: Monthly

Name: National Shellfisheries Association Newsletter

Address: Stephen Tettlebach
National Shellfisheries Association
National Service Division
Long Island University
Southampton, NY 11968

Phone: (516) 287-8418

Name: Newsletter of the Washington Office of the
Ecological Society of America

Address: Duncan T. Patten, Business Manager
Center for Environmental Studies
Arizona State University
Tempe, AZ 85284

Name: Newsletter of the World Aquaculture Society

Address: USA Chapter of the World Aquaculture
143 J.M. Parker Coliseum
Louisiana State University
Baton Rouge, LA 70803

Phone: (504) 388-3137

Name: New York State Aquaculture Association

Address: David Morehouse
Seybolt Rd.
Seneca Falls, NY 13148

Phone: (315) 568-8520

Name: Newsline

Address: Oceanic Institute
Makapuu Point
P.O. Box 25280
Honolulu, HI 96825

Phone: (808) 259-7951

FAX: (808) 259-5971

Name: New Orleans Fishery Market News Report

Address: U.S. Department of Commerce, NOAA
National Marine Fisheries Service
World Trade Center
2 Canal St., Ste. 400-H
New Orleans, LA 70130-1206

Name: Nor'Easter

Address: University of Rhode Island
Rhode Island Sea Grant
Narragansett, RI 02882-1197

Phone: (401) 792-6842

Frequency: Biannually

Name: North Alabama Fish Farming News

Address: P.O. Box 1904
Decatur, AL 35602

Phone: (205) 353-8702

Frequency: Bimonthly

Name: North American Journal of Fish Management

Address: American Fisheries Society
5410 Grosvenor Lane, Ste. 110
Bethesda, MD 20814

Phone: (301) 897-8616

Frequency: Quarterly

Name: **Northeastern Aquaculture (Newsletter of NRAC)**

Address: University of Massachusetts, Dartmouth
North Dartmouth, MA 02747

Phone: (508) 999-8157

Name: **Northern Aquaculture Magazine**

Address: 4611 William Head Rd.
Victoria, BC V9B 5T7

Phone: (604) 478-9209

Frequency: 6x/yr

Name: **Ocean Science News**

Address: Nautilus
1201 National Press Bldg.
Washington, DC 20045

Phone: (202) 347-6643

Name: **Oceanic Institute Newsline (The)**

Address: The Oceanic Institute
Makapuu Point
P.O. 25280
Honolulu, HI 96825

Phone: (808) 259-7951

FAX: (808) 259-5971

Name: **Pacific Coast Aquaculture Journal (The)**

Address: RR4, Site 465 C-37
Cournenay, B.C. V9N 7J3
Canada

Phone: (604) 338-2455

Name: **Progressive Fish Culturist**

Address: American Fisheries Society
5410 Grosvenor Lane, Ste. 110
Bethesda, MD 20814

Name: Regional Notes

Address: Center for Tropical and Subtropical Aquaculture
The Oceanic Institute and the University of Hawaii
Makapu'u Point
Waimanalo, HI 96795

Phone: (808) 259-7951

FAX: (808) 259-9895

Frequency: Quarterly

Name: Reviews in Fisheries Science

Address: Lewis Publishers/CRC Press, Inc.
2000 Corporate Blvd., N.W.
Boca Raton, FL 23431

Phone: (800) 272-7737

Name: SFI Bulletin

Address: Sports Fishing Institute
1033 N. Fairfax St., Ste. 200
Alexandria, VA 22314

Phone: (703) 519-9691

Frequency: Monthly

Name: Salmonid

Address: P.O. Box 220
Harpers Ferry, WV 25425

Phone: (304) 876-6666

Frequency: Quarterly

Name: Sanctuary Currents

Address: 1725 DeSales St. N.W.
Washington, DC 20036

Phone: (202) 429-5609

Frequency: Quarterly

Name: Sea Harvest News

Address: Auburn University Marine Extension and Research Center
4170 Commanders Dr.
Mobile, AL 36615

Phone: (205) 438-5690

FAX: (205) 438-5670

Name: Sea Scope
Address: Thomas A. Frakes, Editor
Aquarium Systems, Inc.
8141 Tyler Blvd.
Mentor, OH 44060
Phone: 1-800-822-1100
Frequency: Quarterly

Name: Seafare
Address: Sea Grant Communications Office
Kingman Farm
University of New Hampshire
Durham, NH 03824-3512
Frequency: Quarterly

Name: Seafood Business
Address: 21 Elm St.
Camden, WA 98107

Name: Seafood Current
Address: UNC Sea Grant
Box 8605
North Carolina State University
Raleigh, NC 27695-8605
Phone: (919) 726-7341
Frequency: Quarterly

Name: Seafood Leader
Address: Waterfront Press
1115 N.W. 46th St.
Seattle, WA 98107
Phone: (206) 789-6506
FAX: (206) 789-9193
Frequency: 6x/yr

Name: Seiche (The)
Address: University of Minnesota Sea Grant
2305 E. 5th St.
Duluth, MN 55812-1445
Phone: (218) 726-8106
Frequency: Quarterly

Name: Shrimp News International

Address: 9434 Kearny Mesa Rd.
San Diego, CA 92126

Phone: (619) 271-6354

Frequency: Intermittent

Name: Splash

Address: Bureau of Seafood and Aquaculture
2051 E. Dirac Dr.
Tallahassee, FL 32315-3969

Phone: (904) 488-4033

FAX: (904) 488-1254

Name: Striper News

Address: Striped Bass Growers Association
Marine Resources Research Institute
P.O. Box 5452
Raleigh, NC 27650-5452

Phone: (919) 515-2454

FAX: (919) 515-7095

Frequency: Irregular

Name: Superior Advisory Notes (reprints)

Address: Minnesota Sea Grant Extension
208 Washburn Hall
University of Minnesota
Duluth, MN 55812

Phone: (218) 726-8106

Name: Texas Shoreline

Address: Sea Grant Program
Texas A&M University at Galveston
P.O. Box 1675
Galveston, TX 77553-1675

Phone: (409) 762-9800

Frequency: Bimonthly

Name: Today's Aquarist
Address: Pisces Publishing Group, Inc.
417 Bridgeport Ave.
Devon, CT 06460-4105
Phone: (203) 877-1927
E'mail: 71631.42 (CompuServe)
71631.42@CompuServe.COM (Internet)

Name: Trout Production Report
Address: Agricultural Statistics Board
USDA-NASS ED LD&PB
5906 South Building
Washington, DC 20277-2585
Phone: 1-800-999-6779
Frequency: Annually

Name: Virginia Marine Resources Advisory Series
Address: Virginia Sea Grant College Program
Virginia Institute of Marine Science
Gloucester Point, VA 23062
Phone: (804) 642-7000

Name: Virginia Marine Resource Bulletin
Address: Sea Grant Communications
Virginia Institute of Marine Science
Gloucester Point, VA 23062
Frequency: Intermittent

Name: Virginia Pond Aquaculture Newsletter
Address: P.O. Box 9081
Virginia State University
Petersburg, VA 23806
Phone: (804) 524-5903
Frequency: Quarterly

Name: The Washington Aquafarm Letter
Address: Box 14260
Benjamin Franklin Station
Washington, DC 20044

Name: Washington Fish Growers Association Newsletter

Address: 10420 173rd Ave. S.W.
Rochester, WA 98579

Phone: (206) 273-5890

FAX: (206) 273-6577

Name: Water Farming Journal and Update

Address: Carroll Trosclair Association, Inc.
3400 Neyrey Dr.
Metairie, LA 70002

Phone: (504) 454-8934

FAX: (504) 488-4134

Frequency: Monthly

Name: Waterlines

Address: Newsletter of the Western Regional Aquaculture Center
School of Fisheries, WH-10
University of Washington
Seattle, WA 98195

Name: Waterman's Gazette

Address: Maryland Watermen's Association
1805 Virginia St.
Annapolis, MD 21401

Phone: (410) 268-8822

Frequency: Monthly

Name: Watershed

Address: Maryland Sea Grant Program
0112 Skinner Hall
College Park, MD 20742

Phone: (301) 405-6376

FAX: (301) 314-9581

Frequency: Intermittent

Name: World Aquaculture Magazine

Address: WAS, 16 E. Fraternity Lane
Louisiana State University
Baton Rouge, LA 70803

Name: World Aquaculture News

Address: P.O. Box 150129
Arlington, TX 76015

Phone: (817) 472-6331

Name: World Shrimp Farming (Annual Report)

Address: 9434 Kearny Mesa Rd.
San Diego, CA 92126

Phone: (619) 271-6354

Section IV: Electronic and Online Resources

There are numerous international as well as North American electronic resources of value to the person interested in aquaculture or aquatic information. The listing here is not comprehensive but provides selected basic sources with a focus on the United States and Canada. The first section covers **databases**. These are usually bibliographic and are available online as well as by CD-ROM subscription. Many charge a fee to access directly or charge a subscription for the CD-ROM. Many libraries subscribe to these CD-ROMs and make them available to their patrons. Check your regional library for availability or contact the address provided in the description. The second section lists **Bulletin Board Systems (BBS)**. These usually provide electronic messaging services (e' mail), archives of files, announcements, public and private conferencing sections, and any other services or activities of interest to the Bulletin Board System's operator. A BBS may be small and regional in scope, but an increasing number are currently operated by government, educational, and research institutions. **FTP/Gopher Sites and gopher servers** can be reached via telnet address or gopher address and lead the user to a list of files/documents that can be obtained electronically and/or read online. **Listservs** are mailing list programs for electronic communication that allow users to exchange data and ideas through the Internet by subscribing. You must have an e' mail address to belong. Services listed below are sometimes a combination BBS/Database/Listserv, so their selection for a particular section has been made somewhat arbitrarily. The final section lists the various *commercial and noncommercial vendors which provide communication access for your computer to some of the services in the preceding sections.*

Acknowledgment is given to John Bostock at the University of Stirling in Stirling, Scotland, for information he provided on several of the following resources in this section. A comprehensive listing of international aquatic sources with a broader scope has been compiled by John Bostock and an electronic version of that list is available via anonymous FTP from ftp.stir.ac.uk directory /aqua; file online.txt.

Databases

Name:	AGRICOLA (AGRICultural OnLine Access)
Host:	U.S. Department of Agriculture
Address:	National Agricultural Library 10301 Baltimore Blvd. Beltsville, MD 20705-2351
Phone:	(301) 504-5479
Access:	via DIALOG Information Services; also on CD-ROM
Cost:	Yes
Scope:	Comprehensive bibliographic database on the agricultural sciences including aquaculture. This is an index to the document collection at the National Agricultural Library as well as materials not in the library's collection.

Name: AGRIS (Agricultural Information System)
Host: FAO (Coordinating agency)
Address: Information Services Division
National Agricultural Library
10301 Baltimore Blvd.
Beltsville, MD 20705-2352
Phone: (301) 504-6813
Access: via CompuServe; via DIALOG Information Services; via DATA STAR
(account required)
Cost: Yes
Scope: Bibliographic database of worldwide agricultural literature which includes
aquaculture.

Name: Aquaculture II
Host: National Agricultural Library
Aquaculture Information Center
10301 Baltimore Blvd.
Beltsville, MD 20705-2351
Phone: (301) 504-5558
FAX: (301) 504-6409
E'mail: aic@nalusda.gov
Access: CD-ROM
Cost: Free while supplies last
Scope: 154 aquaculture publications in full text with page images.

Name: AQUAREF
Host: Environment Canada
Address: Environment Canada
Ecosystem Sciences and Evaluation Directorate
WATDOC
Ottawa, ON Canada K1A 0H3
Phone: (613) 993-1210
Cost: Yes
Access: CAN/OLE also as CD-ROM
Scope: Citations and abstracts on Canadian water resources and environmental
topics--retrospective only.

Name: AQUIRE (Aquatic Toxicity Information Retrieval Database)
Host: Scientific Outreach Program
Address: U.S. EPA
Environmental Research Laboratory-Duluth
6201 Congdon Blvd.
Duluth, MN 55804

Phone: (218) 720-5602
FAX: (218) 720-5539
Access: via Internet: telnet epavax.rtpnc.epa.gov or telnet 134.67.208.95 (request packet from above address prior to accessing database)
Scope: Contains records on data on acute, chronic, bioaccumulative and sublethal effects of approximately 5,100 chemical substances and on 2,400 freshwater and saltwater organisms.

Name: **ASFA (Aquatic Science and Fisheries Abstracts)**

Host: FAO (Coordinating agency)
Address: Cambridge Scientific Abstracts
7200 Wisconsin Ave.
Bethesda, MD 20814
Phone: (301) 961-6750
Access: via CompuServe; via DIALOG; also on CD-ROM
Cost: Yes
Scope: Bibliographic citations on biology of aquatic organisms, as well as aquatic issues in ecology, ecosystems, fisheries, policy, legislation, technology and engineering, commerce, and pollution.

Name: **BIOSIS PREVIEWS**

Host: BIOSIS, Philadelphia, PA
Address: BIOSIS
User Communications
2100 Arch St.
Philadelphia, PA 19103-1399
Phone: (800) 523-4806 or (215) 587-4847
Access: via CompuServe; via Dialog; also on CD-ROM
Cost: Yes
Scope: Citations and abstracts in the biological and biomedical sciences.

Name: **CAB Abstracts (formerly Commonwealth Agricultural Bureaux)**

Host: CAB International
Address: Farnham Royal
Slough, United Kingdom
Access: via CompuServe; via Dialog; via NISS gateway in United Kingdom; also on CD-ROM
Cost: Yes
Scope: Provides citations and abstracts in English to the worldwide literature of agriculture. Comprised of some 50 subfields including veterinary medicine/science.

Name: CRIS (Current Research Information System)
Host: U.S. Department of Agriculture
Address: CRIS/USDA
5th Floor
National Agricultural Library
Beltsville, MD 20705-2351
Phone: (301) 504-3816
Access: via Dialog; also on CD-ROM; also future searching via Internet
Cost: Yes
Scope: Contains project summaries of ongoing research conducted by USDA and State agricultural research entities.

Name: FARAD (Food Animal Residue Avoidance Databank)
Host: Food and Drug Administration
Address: [East Region]
FARAD
4700 Hillsborough St.
Raleigh, NC 27606
Phone: (919) 829-4431
Access: via Internet: farad@ncsu.edu
Address: [Central Region]
FARAD
Animal Poison Control Center
University of Illinois
College of Veterinary Medicine
Urbana, IL 61801
Phone: (217) 333-3611
Address: [West Region]
FARAD
Veterinary Medicine Extension
University of California
Davis, CA 95616
Phone: (916) 752-7507
Access: via Internet: farad@ucdavis.edu
Cost: Free
Scope: Cannot access database directly but must go through staff. Database lists approved trade names, generic drug, access by species, withdrawal times, and indications for use. Also contains specific generic drug data, levels in feeds, tolerances, USDA Residue Avoidance Program projects, and bibliographic files.

Name: FISHLIT
Address: FISHLIT Information Service
J.L.B. Smith Institute of Ichthyology
Private Bag 1015
Grahamstown 6140, South Africa
Phone: (0461) 27124
Access: Direct dial and future via Internet: ihmc@hippo.ru.ac.za
Cost: Yes
Scope: Includes literature on aquaculture particularly practical information, information on finfish and abalone, and South Africa aquaculture information as well as general fisheries information.

Name: Fish and Fisheries Worldwide
Host: National Information Services Corporation
Address: Ste. #6
Wyman Towers
3100 St. Paul St.
Baltimore, MD 21218
Phone: (410) 243-0797
Access: CD-ROM
Cost: Yes
Scope: Combines the databases from U.S. Fish and Wildlife Service's Fisheries Review, the FISHLIT database from J.L.B. Smith Institute of Ichthyology at Rhodes University in South Africa, the National Oceanic and Atmospheric Administration Aquaculture file, and Fish Health News abstracts.

Name: FSTA (Food Science and Technology Abstracts)
Host: International Food Information Service
Address: Herriotstrasse 5
D-60000 Frankfurt am Main 71
Federal Republic of Germany
Phone: 069/6687 281
Access: via CompuServe; via Dialog; also on CD-ROM
Cost: Yes
Scope: Research and new development literature in food science and technology.

Name: National Water Quality Database
Host: Purdue University
Address: Extension Specialist, Water Quality and Environment
Cooperative Extension Service
Purdue University
West Lafayette, IN 47907-1530
Phone: (317) 494-7924

Access: via Internet; telnet hermes.ecn.purdue.edu (login id: cerf; password: Purdue); gopher hermes.ecn.purdue.edu; select "The Purdue Cooperative Extension Gopher Information Server;" select "Environment;" then select "National Water Quality Database." (Write for guide)

Cost: Free

Scope: Lists current water quality publications, audiovisuals, bibliographic citations in the Water Quality Bibliography and more than 100 Extension documents.

Name: **NTIS (National Technical Information Service)**

Host: National Technical Information Service, U.S. Department of Commerce

Address: 5285 Port Royal Rd.
Springfield, VA 22161

Phone: (703) 487-4650

Access: via Dialog

Cost: Yes

Scope: U.S. government-sponsored research, development, and engineering plus analyses.

Name: **TOXLINE**

Host: National Library of Medicine

Address: MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Phone: (800) 638-8480 or (301) 496-6193

Access: via CompuServe; via Dialog

Cost: Yes

Scope: Toxicological, pharmacological, biochemical and physiological effects of drugs and chemicals.

Name: **UIAIS (University of Idaho Aquaculture Information Service)**

Host: University of Idaho

Address: Librarian
Aquaculture Information Service
Aquaculture Research Institute
University of Idaho
Moscow, ID 83844-2260

Access: (208) 885-5992 for information

Cost: Direct dial costs

Scope: Information on references held in the Idaho Fish and Game Library, the Western Regional Aquaculture/Fisheries Distinguished Scientist Collection, the National Agricultural Library, the U.S. Fish and Wildlife Reference Service, the Southern Regional Aquaculture Center, the Montana Fish and Wildlife Parks Library, the U.S. Department of Interior Office of Water Research and Technology, among others.

Name: Water Resources Abstracts
Host: U.S. Department of the Interior
Address: Geologic Survey
Reston, VA
Phone: (703) 648-6820
Access: via CompuServe; via Dialog; via CD-ROM
Cost: Yes
Scope: Database compiled by over 50 water research centers providing information on water resource economics, ground and surface water hydrology, etc.

Name: WATERNET
(American Water Works Association and
AWWA Research Foundation bibliography)

Host: DIALOG
Address: Dialog Information Services Inc.
Marketing Department
3460 Hillview Ave.
Palo Alto, CA 94304
Phone: (800) 334-2564 or (415) 858-3785
FAX: (415) 858-7069
Access: via Dialog; via CompuServe
Cost: Yes
Scope: Index of publications related to water and waste water.

Bulletin Board Systems:

Name: ALF (Agricultural Library Forum)
Host: National Agricultural Library
Address: 10301 Baltimore Ave.
Beltsville, MD 20705-2351
Access: Direct Dial (301) 504-6510, or 504-5111, or 504-5496, or 504-5497; or via Internet through Fedworld; or telnet fedworld.gov
Cost: Direct dial costs if you do not have Internet access.
Scope: Agriculture- and aquaculture-related publications produced in the library in addition to some specialized conferences and mail messaging. For assistance call systems operator at (301) 504-5113.

Name: AQUADATA
Host: CompuServe
Address: 500 Arlington Centre Blvd.
P.O. Box 20212
Columbus, OH 43220
Phone: (614) 457-8600
Access: via CompuServe
Cost: Yes--per minute
Scope: Fish drugs, chemicals, aquatic publications, etc.

Name: AQUAFORUM
Host: CompuServe
Address: 500 Arlington Centre Blvd.
P.O. Box 20212
Columbus, OH 43220
Phone: (614) 457-8600
Access: via CompuServe
Cost: Yes--per minute
Scope: Bulletin board and files relating mostly to aquariums with small section for aquaculture.

Name: Aquaria and Fish Forum
Host: CompuServe
Address: 500 Arlington Centre Blvd.
P.O. Box 20212
Columbus, OH 43220
Phone: (614) 457-8600
Cost: Yes
Access: via CompuServe
Scope: Provides trade and hobby information on fish, aquaria and aquatic sciences with international coverage.

Name: CIDS (Commercial Information Delivery Service)
Host: U.S. Department of Agriculture
Address: Charles Hobbs
Office of Communications
U.S. Department of Agriculture
Commercial Information Delivery Service
Administration Building
14th and Independence Ave., S.W.
Washington, DC 20250
Phone: (202) 720-9045
Access: Direct dial or via telnet

Cost: Yes
Scope: Federal bulletin board network that provides access to time-sensitive U.S. Government information.

Name: **FISHNET**

Host: FISHNET
Address: 102 Haram St.
Sheffield, AL 35660

Phone: (205) 383-3009
FAX: (205) 386-7615
Access: via CompuServe
Cost: Yes
Scope: Includes fish farming and aquatic conservation as well as a number of files useful to aquarists on fish chemicals, drugs, and identification guides.

FTP/GOPHER SITES

Name: **AquaNIC (Aquaculture Network Information Center)**

Host: Purdue University
Address: Cooperative Extension Service
Purdue University
West Lafayette, IN 47907-1530

Phone: (317) 494-6264
Access: via Internet gopher or via telnet at thorplus.lib.purdue.edu (path=scholarly_database/AquaNIC); or via direct dial (317) 494-1440; via ALMANAC at almanac@ecn.purdue.edu

Cost: Free-direct dial costs only
Scope: Provides a computer gateway to other aquaculture resources and provides educational products and scientific-based products electronically.

Name: **Biotechnology Information Center**

Host: University of Maryland
Address: Biotechnology Information Center
National Agricultural Library
10301 Baltimore Blvd.
Beltsville, MD 20705-2351

Phone: (301) 504-5340
FAX: (301) 504-7098
Access: via Internet: inform.umd.edu
Path=1/Ed_Res./Acad_Res._By_Topic/Ag_and_Env._Resources/
Cost: Free-direct dial costs only
Scope: Access to a variety of information services and publications on agricultural biotechnology. Includes text files of some aquatic biotechnology bibliographies published through the Center at the National Agricultural Library.

Name: CRIS (Current Research Information System)
Host: nic.sura.net
Access: via Internet: Path=waissrc:/network.res/.linkdir/usdacris.src; or via Dialog or CD-ROM
Cost: Free and at cost depending on access
Scope: Limited search capability on USDA Current Research Information System database of currently funded research projects.

Name: Economic Research Service (ERS) Reports
Host: zeus.esusda.gov
Access: via Internet: Path= 1/feds/usda-info/ers
Cost: Free-direct dial costs only
Scope: Text of current U.S. Department of Agriculture (USDA) Situation and Outlook Reports including Aquaculture Situation and Outlook Report from the Economic Research Service of USDA.

Name: Fishing for Information
Host: University of Stirling
Address: John Bostock
Institute of Aquaculture
University of Stirling
Stirling, Scotland FK9 4LA
Access: Anonymous ftp to ftp.stir.ac.uk; directory /aqua; file online.txt
Cost: Free
Scope: Comprehensive international listing of network and online resources on aquaculture and aquatic science.

LISTSERVS

Name: AQUA-L
Host: University of Prince Edward Island
Address: Nigel Robbins
Canadian Aquaculture Institute
University of Prince Edward Island
Internet: NROBBINS@UPEI.CA
or
T. B. (Ted) White
NovaCulture Inc.
Internet: WHITE@MALA.BC.CA
Access: via Internet: send subscribe message to listproc@UPEI.CA
Cost: Free

Scope: Discussion covers issues on rearing aquatic larvae, diseases, parasites, pathology, water quality, recirculation technologies, systems design and operation, genetics, etc.

Name: **BRINE-L**

Host: Mercer University--Contact Lamar Jackson Jackson@uga.cc.uga.edu
Access: via Internet: send subscribe message to LISTSERV@UGA.CC.UGA.EDU;
Bitnet: LISTSERV@UGA.

Cost: Free

Scope: Brine shrimp (Artemia) electronic conference.

Name: **CRUST-L**

Host: Smithsonian Institution---contact Jan Clark hiv002@sivm.si.edu
Access: via Internet: send subscribe message to LISTSERV@sivm.si.edu

Cost: Free

Scope: Discussion of the systematics, distribution, and ecology of members of the arthropod Subphylum Crustacea.

Name: **FISH-ECOLOGY**

Host: Sunet (Swedish University Network)

Access: via Internet: subscribe to the listserv by sending message to
LISTSERV@SEARN.SUNET.SE (Subscribe FISH-ECOLOGY)

Cost: Free

Scope: International computer conference for academic personnel and students involved in issues related to ecology of fish and fisheries, evolutionary aspects, population dynamics, modeling, management, conservation, and bioeconomics.

Name: **FISH-JUNIOR**

Host: Sunet (Swedish University Network)

Address: Aldo-Pier Solari
SOLARIS@SEARN.SUNET.SE
University of Umea (Ume})
S-901-87 Umea, Sweden

Phone: 090-16-50-00

Access: via Internet: send subscribe statement to
LISTSERV@SEARN.SUNET.SE (or LISTSERV@SEARN.BITNET)

Cost: Free

Scope: FISH-JUNIOR is a forum for knowledge transfer between marine scientists and children/high school students. The aim of this forum is to enable juniors of early age to interact with scientists and scientific issues mainly related to Fisheries ecology and related topics. The FISH-ECOLOGY management would like to encourage the participation of scientists, advisors, PhD stu-

dents, and other research personnel who would like to be involved as teachers in FISH-JUNIOR.

Name: MAR-FACIL
Host: Dalhousie University
Address: Aquatron Laboratory
Halifax, Nova Scotia, Canada B3H 3J5
Access: via Internet: send subscribe statement to mailserv@ac.dal.ca
Cost: Free
Scope: MAR-FACIL is a mailing list for managers and technical staff at marine research facilities, aquaculture operations, public aquaria and other facilities supplying seawater for the support of marine life; intended as a forum for the discussion of technical and business topics.

Name: SHELLFISH
Host: Kenyon College
Address: Scott Siddall
Kenyon College
Department of Biology
Gambier, OH 43022
Phone: (614) 427-5696
Access: via Internet: send subscribe statement to shellfish-request@kenyon.edu
Cost: Free
Scope: Forum for the discussion of shellfish research, shellfish industry worldwide, funding opportunities, employment in shellfish research and industry, and meetings and conferences.

ONLINE VENDORS/HOSTS:

Name: AMERICA ONLINE, INC.
Address: America Online, Inc.
8619 Westwood Center Dr.
Vienna, VA 22182
Phone: (703) 448-8700

Name: BRS
Address: BRS Information Technologies
8000 Westpark Dr.
McLean, VA 22102
Phone: (800) 955-0906 or (703) 442-0900
FAX: (703) 893-4632
Scope: Approximately 200 databases on BRS and ORBIT.

Name: CAN/OLE
Address: Canadian Online Inquiry System
Montreal Rd.
Ottawa, Ontario, Canada K1A 0S2
Phone: (613) 993-1210
Scope: More than 40 databases online in major fields of science and technology.

Name: CompuServe
Address: CompuServe Incorporated
5000 Arlington Centre Blvd.
Columbus, OH 43220
Phone: (614) 457-8650
Scope: The major reference areas are IQUEST and Knowledge Index (a cheap-rate service available in the evenings and at weekends).

Name: DATA STAR
Address: D S Marketing Ltd
The Plaza Ste.
114 Jermyn St.
London SW1Y 6HJ
United Kingdom
Phone: +44-71-9305503
FAX: +44-71-9302581
Scope: Access to over 200 files with emphasis on European business, medical and pharmaceutical databases.

Name: DIALOG
Address: Dialog Information Services Inc.
Marketing Department
3460 Hillview Ave.
Palo Alto, CA 94304
Phone: (800) 334-2564 or (415) 858-3785
FAX: (415) 858-7069
Scope: Access to over 400 database files with broad scope of subjects.

Name: NEWSNET
Address: NewsNet Inc.
945 Haverford Rd.
Bryn Mawr, PA 19010
Phone: (215) 527- 8030
FAX: (215) 527- 0338
Scope: A network of over 3,000 news groups exchanging information electronically.

Name: **PRODIGY**
Address: Prodigy Services Company
 445 Hamilton Ave.
 White Plains, NY 10601
Phone: (914) 993-8000

Section V: Trade and Professional Associations

The following trade and professional associations may have changed phone numbers or addresses since this publication went to printing. We apologize for any inconvenience this may cause. The associations are organized alphabetically by State. Please note that there is an index by association name at the back of this guide.

- State:** Alabama
- Contact:** Jimmy Carlisle
Name: Alabama Catfish Producers
A Division of Alabama Farmers Federation (AFF)
- Address:** P.O. Box 11000
Montgomery, AL 36191-0001
- Phone:** (205) 288-3900 Ext. 4214
(205) 613-4214 (voice mail)
- FAX:** (205) 284-3957
- Publication:** Quarterly newsletter
- Scope:** Regional; All species
-
- State:** Alabama
- Contact:** W.R. Odom, Jr., President, (205) 372-2804
or Randy Hollingsworth, Secretary
- Name:** West Alabama Catfish Producers
- Address:** P.O. Box 479
Greensboro, AL 36744
- Phone:** (205) 624-7291
- Scope:** Regional; Species: Catfish
-
- State:** Alaska
- Contact:** Jeff Hetrick
- Name:** Alaskan Shellfish Growers Association
- Address:** P.O. Box 7
Moose Pass, AK 99631
- Phone:** (907) 288-3688
- FAX:** (907) 288-3667
- Publication:** Newsletter
- Scope:** Regional (Member growers and industry people plus regulator)

State: Alaska
Contact: Donald F. Amend
Name: Southern Southeast Regional Aquaculture Association
Address: 2721 N. Tongass
Ketchikan, AK 99901
Phone: (907) 225-9605
FAX: (907) 225-1348
Publication: Spawning News (published every 3-4 months)
Scope: Regional; Species: Coho, Chinook, Sockeye, Chum

State: Arizona
Contact: Jimmy Joy
Name: Arizona Aquaculture Association
Address: P.O. Box 10431
Scottsdale, AZ 85271
Phone: (602) 947-5970
Publication: Arid Lands Fish Production (bimonthly)
Scope: Statewide; Species: Mainly Trout, Tilapia, and Catfish plus other species raised in Arizona

State: Arkansas
Contact: Van Pennington
Name: Catfish Farmers of Arkansas
Address: 31 Linda Lane W.
Vilonia, AR 72173
Phone: (501) 796-2539
FAX: (501) 796-2539
Publication: Newsletter

State: Arkansas
Contact: Lisa Bland
Name: National Ornamental Goldfish Growers Association, Inc.
Address: Billy Bland's Fishery, Inc.
P.O. Box 430
Taylor, AR 71861
Phone: (501) 694-4811
FAX: (501) 694-2034
Scope: National level; Species: Goldfish

State: California
Contact: Bob Finnigan
Name: Associated Koi Clubs of America
Address: 258 Sherwood St.
Costa Mesa, CA 92627
Phone: (714) 548-3690
FAX: (714) 646-1685
Publication: U.S.A. Magazine (bimonthly); Subscription: Koi USA, P.O. Box 1, Midway
City, CA 92655
Scope: All Koi clubs in U.S. and Canada (except Newfoundland); Mostly national
in scope; some international activity; Species: Koi, Aquatic Plants in ponds;
Garden Ponds

State: California
Contact: Peter Struffeneger or Fern Ray
Name: California Aquaculture Association
Address: P.O. Box 1004
Niland, CA 92257
Phone: (619) 359-FISH
Publication: California Aquatic Farming

Country: Canada
Contact: Susan Waddy
Name: Aquaculture Association of Canada
Address: Box 1987
St. Andrews, NB E0G 2X0 Canada
Phone: (506) 529-4766
FAX: (506) 529-4609
Publication: AAC Bulletin (quarterly)
Scope: Regional membership (North American region); All species

Country: Canada
Name: Canadian Aquaculture Producers Council
Address: 1200 W. Pender St.
Ste. 506
Vancouver, BC, V6E 2S9
Canada

Country: Canada
Contact: William Thompson, General Manager
Name: New Brunswick Salmon Growers Association
Address: RR #4 Lime Kiln Rd.
St. George, New Brunswick
E0G 2Y0
Canada
Phone: (506) 755-3526
FAX: (506) 755-6237
Scope: Province of New Brunswick only; Species: Atlantic Salmon

Country: Canada
Name: New Brunswick Smolt Producers Association
Address: RR #4 Lime Kiln Rd.
St. George, New Brunswick
E0G 2Y0
Canada
Phone: (506) 755-3526
FAX: (506) 755-6237
Scope: Province of New Brunswick only; Species: Smolt

Country: Canada
Name: Newfoundland Aquaculture Association
Address: P.O. Box 9961, Station B
St. John's, NF, Canada A1A 4L4

Country: Canada
Contact: Laurie Taylor, Administrator
Name: Ontario Aquaculture Association
Address: 54 Centre St.
Elmira, ON N38 2V6
CANADA
Phone: (519) 669-3400
FAX: (519) 669-2864
Publications: Several newsletters published every 2-3 months
Scope: Private, members are mostly commercial operators; Species: Trout

Country: Canada
Contact: Sean Goodyear, General Manager
Name: S.C.B. Fisheries Limited
(formerly: Bay D'Espoir Salmon Growers Co-Operative)
Address: P.O. Box 400
St. Alban's, Bay D'Espoir, A0H 2E0, Newfoundland
Canada
Phone: (709) 538-3231
FAX: (709) 538-3022
Scope: Regional; Species specific: Rainbow Trout; Atlantic Salmon

Country: Canada
Contact: Dora Glover, Manager
Name: Sunshine Coast Aquaculture Association
Address: P.O. Box 2360
Sechelt, BC V0N 3A0
Canada
Phone: (604) 885-3619
FAX: (604) 885-6155
Scope: Regional; Species: Cultured Oysters

State: Colorado
Contact: Greg Brunjak, President
Name: Colorado Aquaculture Association
Address: P.O. Box 27
Leadville, CO 80461
Phone: (719) 486-1075
Publication: The Fishline (quarterly)
Scope: Colorado aquaculture-public and private

State: Delaware
Contact: John Foltz
Name: Delaware Aquaculture Association
Address: Aquafarm Products, Inc.
RD 2 Box 263
Dover, DE 19901
Phone: (302) 734-8884
FAX: (302) 734-4607
Scope: State only; Species: Hard Clam, Tilapia, Hybrid Striped Bass, Trout, Crawfish, Baitfish, Large Mouth Bass, Crappie, and Catfish

State: Florida
Name: Florida Aquaculture Association
Address: P.O. Box 1519
Winter Haven, FL 33880
Phone: (813) 293-5710
FAX: (813) 299-5154
Publication: FAA Newsletter (quarterly)
Scope: Regional; All species

State: Florida
Contact: Wayne Jipsen, Treasurer
Name: Florida Aquatic Plant Management Society
Address: 10616 Bay Lake Rd.
Groveland, FL 34736
Phone: (904) 232-2219
FAX: (904) 232-3696
Publications: Aquatics (quarterly magazine) and a quarterly newsletter
Scope: Aquatic plants and aquatic environmental issues in Florida

State: Florida
Contact: Larry E. Beasley
Name: Florida Foodfish, Gamefish and Baitfish Farmers Association
Address: P.O. Box 817
Hastings, FL 32145
Phone: (407) 365-2039
Scope: Statewide; Species: All species raised in Florida

State: Florida
Contact: Cheryl Hukle
Name: Florida Tropical Fish Farms Association
Address: P.O. Box 1519
Winter Haven, FL 33882
Phone: (813) 293-5710
FAX: (813) 299-5154
Publication: Florida Fish Farmer (monthly newsletter)
Scope: Regional; Species: Tropical and Ornamental Fish, and Aquatic Plants

State: Florida
Contact: Keith Zickuhr
Name: Florida Shellfish Farmers Association
Address: 744 Tompkins St.
Melbourne, FL 32935-3952
Phone: (407) 254-6123
FAX: (407) 254-6123
Publication: Newsletter
Scope: Statewide; Species: Marine Bivalves

Territory: Guam
Name: Pacific Aquaculture Association
Address: Guam Department of Commerce
GITC Bldg., 6th Floor
590 South Marine Dr.
Tamuning, Guam 96911
Phone: (671) 646-5841

State: Hawaii
Contact: Linden Burzell, President
Name: Hawaii Aquaculture Association
Address: Aquaculture Development Program
335 Merchant St., Rm. 348
Honolulu, HI 96813
Phone: (808) 587-0030
FAX: (808) 587-0033
Publications: Hawaii Aquaculture Advisory Council Report (annual) and a newsletter
Scope: International; Species: All

State: Hawaii
Name: International Association of Aquaculture Economics and Management
Contact: Secretariat
Address: IAAEM
Department of Agricultural and Resource Economics
University of Hawaii
3050 Maile Way
Gilmore 115
Honolulu, HI 96822

State: Idaho
Contact: Don Campbell
Name: Idaho Aquaculture Association
Address: P.O. Box 28
Buhl, ID 83316
Phone: (208) 543-4387
FAX: (208) 543-9277
Publications: Idaho Aquaculture News (quarterly); Idaho Aquaculture News Bulletin (monthly)
Scope: State only; Species: Covers all species raised in Idaho

State: Illinois
Contact:
Name: Illinois Aquaculture Industry Association
Address: Fisheries Research Lab
Southern Illinois University at Carbondale
Carbondale, IL 62901
Phone: (618) 453-6025
FAX: (618) 536-7761
Publication: IAIA Newsletter (biannually)
Scope: State only; All species

State: Indiana
Contact: Ernest Bailey, Treasurer
Name: Indiana Aquaculture Association
Address: 1821 E. Co. Rd. 400 S.
Greensburg, IN 47240
Phone: (812) 663-7109
Publication: Indiana Aquaculture Association Newsletter (quarterly)
Scope: State only; Species: Aquaculture species raised in Indiana

State: Iowa
Contact: Curt Stutzman
Name: American Tilapia Association
Address: 4943 Cosgrove Rd., S.W.
Kalona, IA 52247
Phone: (319) 683-2495
FAX: (319) 683-2995
Publications: Quarterly newsletter; Annual Tilapia Status Report (quarterly)
Scope: International membership; Species: Tilapia

State: Iowa

Contact: Myron Kloubec

Name: Iowa Aquaculture Association

Address: Midwest Aquaculture Learning Center
1375 Baxter Ave. N.W.
Amana, IA 52203

Phone: (319) 846-2077

FAX: (319) 846-8099

Publication: Newsletter (published three times per year)

Scope: State only; Species: All species

State: Kansas

Contact: Charles W. Wallace

Name: Kansas Commercial Fish Growers Association

Address: RR1, Box 216
Marion, KS 66861

Phone: (316) 382-2321

Scope: State only; Species: Pond stocking/restocking organization

State: Kentucky

Contact: Chris Kringee

Name: Kentucky Aquaculture Association

Address: Kentucky Department of Agriculture
100 Fair Oaks Lane, Ste. 252
Frankfort, KY 40601

Phone: (502) 564-6571

FAX: (502) 564-7852

Scope: Regional; Kentucky aquaculturists

State: Louisiana

Contact: Jay V. Huner, General Manager

Name: International Association of Astacology

Address: P.O. Box 44650
University of Southwestern Louisiana
Lafayette, LA 70504-4650

Phone: (318) 231-5239

FAX: (318) 231-5395

Publication: Freshwater Crayfish, A Journal of Astacology (biennial); Crayfish News (quarterly)

Scope: International; Species: Freshwater Crayfishes

State: Louisiana
Contact: Mark Shirley, Secretary/Treasurer
Name: Louisiana Alligator Farmers and Ranchers Association
Address: 1105 W. Port
Abbeville, LA 70510
Phone: (318) 898-4335
FAX: (318) 898-4309
Scope: State only; Species: Alligators

State: Louisiana
Contact: Greg Lutz, Secretary
Name: Louisiana Aquaculture Association
Address: P.O. Box 16008
Baton Rouge, LA 70893
Phone: (504) 388-2152
FAX: (504) 388-2478
E'mail: xtlutz@lsuvmvs.sncc.lsu.edu
Scope: Open to all interested (regional, national, or international); Species: All species cultured in Louisiana

State: Louisiana
Contact: Huey Priest, President
Name: Louisiana Catfish Farmers Association, Inc.
Address: P.O. Box 16011
Baton Rouge, LA 70893
Phone: (318) 724-7779
FAX: (504) 388-2478
Publication: Quarterly newsletter
Scope: State only; Species: Catfish

State: Louisiana
Contact: Wendell Lorio, Secretary
Name: Louisiana Crawfish Farmers Association
Address: Rm. 202 B Knapp Hall
Louisiana Cooperative Extension Service
Louisiana State University
Baton Rouge, LA 70803-1900
Phone: (504) 388-2152
FAX: (504) 388-2478
E'mail: XTECON@LSUVM.SNCC.LSU.EDU
Scope: State only; Species: Crawfish

State: Louisiana
Contact: Jay V. Huner, Secretary/Treasurer
Name: Louisiana Soft-Shell Crawfish Association
Address: P.O. Box 44509
Lafayette, LA 70504-4509
Phone: (318) 231-5239
FAX: (318) 231-5395
Publication: Soft-Shell Crawfish Association Newsletter (annual or biannual)
Scope: State only; Species: Freshwater Crawfishes

State: Louisiana
Contact: Betty Rombach
Name: U.S. Aquaculture Suppliers Association
Address: 4640 S. Carrollton Ave., Ste. 2E
New Orleans, LA 70119
Phone: (504) 486-9868; (800) 527-7631
FAX: (504) 488-4135
Publication: Annual directory of membership
Scope: National; Suppliers to the industry

State: Louisiana
Contact: Juliette Massey
Name: World Aquaculture Society
Address: 143 J. M. Parker Coliseum
Louisiana State University
Baton Rouge, LA 70803
Phone: (504) 388-3137
FAX: (504) 388-3493
Publications: World Aquaculture (quarterly); Journal of the World Aquaculture Society
(quarterly)
Scope: International; Species: All

State: Maine
Contact: Endicott P. Davison
Name: Maine Aquaculture Association
Address: 141 N. Main St., Ste. 203
Brewer, ME 04412
Phone: (207) 989-5310
FAX: (207) 989-5795
Publication: Newsletter (3-4 times per year)
Scope: State only; Species: Salmon, Steelhead, Oysters, Softshell Clams, and Blue
Mussels

State: Maryland
Contact: Tom Hopkins, President
Name: Maryland Aquaculture Association
Address: P.O. Box 129
Boyds, MD 20841-0129
Phone: (301) 972-2600
FAX: (301) 540-7322
Publication: Newsletter (3-4 times per year)
Scope: Regional/concentrated in the State; Species: All in general

State: Massachusetts
Contact: Richard Nelson
Name: Massachusetts Aquaculture Association
Address: P.O. Box 209
Barnstable, MA 02630
Phone: (508) 362-2511
Scope: Broad based; Massachusetts only

State: Michigan
Contact: Bob Baldwin
Name: Michigan Fish Growers Association
Address: 19465 200th Ave.
Big Rapids, MI 49307
Phone: (616) 796-2284
FAX: (616) 796-2284 (same as phone)
Publication: Fish Growers Letter (4 times per year)
Scope: State only; Species: Trout, plus other species raised in the State

State: Minnesota
Contact: Gloria Olson, Secretary/Treasurer
Name: Minnesota Aquaculture Association
Address: HC 83 Box 538
Pequot Lakes, MN 56472
Phone: (218) 543-6424
Publication: The Catch (quarterly newsletter)
Scope: Statewide; Species: All types of fish raised by private parties

State: Mississippi
Contact: Hugh Warren, Executive Vice President
Name: Catfish Farmers of America
Address: 1100 Hwy. 82E, Ste. 202
Indianola, MS 38751
Phone: (601) 887-2699
FAX: (601) 887-6857
Publication: Catfish Journal (monthly)
Scope: National; Species: Catfish (specifically)

State: Mississippi
Contact: Judy Randall, Executive Secretary
Name: Catfish Farmers of Mississippi
Address: P.O. Box 1008
Indianola, MS 38751
Phone: (601) 887-4842
FAX: (601) 887-6749
Scope: Regional; Species: Catfish

State: Missouri
Contact: Chuck Hicks
Name: Missouri Fish Farmers Association
Address: P.O. Box 6864
Jefferson City, MO 65102-6864
Phone: (314) 526-6666
FAX: (314) 751-2868
Scope: State only; Species: Those species raised in Missouri

State: Nebraska
Contact: Wilbur G. Epp
Name: Nebraska Fish Farmers Association, Inc.
Address: Rt. 1, Box 199
Henderson, NE 68371
Phone: (402) 723-4210
FAX: (402) 723-4451
Scope: State only; Species: All, mainly Trout, Salmon, Bluegill

State: New Jersey
Contact: George (Gef) Flimlin
Name: New Jersey Aquaculture Association
Address: 1623 Whitesville Rd.
Toms River, NJ 08755
Phone: (908) 349-1152
FAX: (908) 505-8941
Scope: State only; Species: All

State: New York
Contact: Stephen Tettelbach
Name: National Shellfisheries Association
Address: Natural Science Division
Long Island University
Southampton, NY 11968
Phone: (516) 287-8407
FAX: (516) 287-8419
E'mail: TETTELBA@SEAWEED.LIUNET.EDU
Publications: Journal of Shellfish Research (published in June and December); Newsletter
(4 times per year)
Scope: International; Species: Shellfish (mainly Mollusks and Crustaceans)

State: New York
Contact: Norman Soule, Secretary/Treasurer
Name: New York State Aquaculture Association
Address: P.O. Box 29
Cold Spring Harbor, NY 11724
Phone: (516) 692-6768
Publication: NYAA Newsletter (irregular)
Scope: State only; Species: All species raised in the State; general organization for
all aquaculture operations

State: North Carolina
Contact: Steve Gabel, Area Specialized Agent, Aquaculture
Name: North Carolina Crawfish Producers Association
Address: P.O. Box 1030
Edenton, NC 27932
Phone: (919) 482-8431
FAX: (919) 482-4925
Scope: Regional; Species: Crawfish

State: North Carolina
Contact: Debra Sloan, President
Name: North Carolina Trout Growers Association
Address: 22 Sugar Cove Rd.
Franklin, NC 28734
Note: Previously called the Southern Appalachian Trout Growers Association
Phone: (704) 524-5020

State: North Carolina
Name: Southern Appalachian Trout Growers Association
See North Carolina Trout Growers Association

State: North Carolina
Contact: Ronald Hodson
Name: Striped Bass Growers Association
Address: Marine Resources Research Institute
P.O. Box 5452
Raleigh, NC 27650-5452
Phone: (919) 515-2454
FAX: (919) 515-7095
E'mail: Ronald_Hodson@NCSU.edu
Publication: Semi-annual report/newsletter to membership
Scope: National; Species: Striped Bass, Hybrids, White Bass

State: Ohio
Contact: Jim Ebeling
Name: Ohio Aquaculture Association
Address: Ohio State University
Piketon Research and Extension Center
1864 Shyville Rd.
Piketon, OH 45661
Phone: (614) 289-2071
FAX: (614) 289-4591
E'mail: JIM@OAK.PREC.OHIO-STATE.EDU
Scope: State only; Species: Pond stocking species

State: Oklahoma
Contact: Glen Gebhart
Name: Oklahoma Aquaculture Association
Address: 3810 S. Sangre Rd.
Stillwater, OK 74074
Phone: (405) 377-0092
Publication: Newsletter (published on an as-needed basis)
Scope: State only; Species: All, but mainly those raised and sold in the State

State: Pennsylvania
Contact: Charles Conklin, President
Name: Pennsylvania Aquaculture Association
Address: 930 Tulpehocken Rd.
Richmond, PA 17087
Phone: (717) 866-2461
Publication: Quarterly newsletter
Scope: State only; Species: All species raised in Pennsylvania

State: Pennsylvania
Contact: Charles Conklin, President
Name: Pennsylvania Trout Farmers Association
Address: P.O. Box 484
Effort, PA 18330
Phone: (215) 681-6660
Publication: Quarterly newsletter
Scope: State (w/some regional); Species: Trout

Common-wealth: Puerto Rico
Name: Caribbean Aquaculture Association
Address: Department of Marine Sciences
University of Puerto Rico
Mayaguez Campus
Mayaguez, PR 00681-5000
Phone: (809) 899-2048
FAX: (809) 899-5500
Publication: Caribbean Aquaculturist (newsletter published three times per year)
Scope: Regional; Species: Tropical species in the Caribbean

State: South Carolina
Contact: Betsy Sheehan
Name: South Carolina Aquaculture Association
Address: P.O. Box 11280
Columbia, SC 29211
Phone: (803) 734-2210
FAX: (803) 734-2192
Scope: State only; Species: Shrimp, Hybrid Striped Bass, Crawfish, Clams, Oysters, Catfish, Red Drum Tilapia, and other finfish species

State: South Carolina
Contact: James Guy, Secretary/Treasurer
Name: South Carolina Crawfish Growers
Address: 215 Stockton Rd.
Rembert, SC 29128
Phone: (803) 432-5312
Publication: Quarterly newsletter
Scope: Regional; Species: Crawfish

State: Tennessee
Contact: Thomas Mitchell
Name: Tennessee Aquaculture Association
Address: 88 Greenbriar Rd.
Lawrenceburg, TN 38464
Phone: (615) 762-2672
FAX: (615) 762-1020
Publication: Farming Tennessee Waters (quarterly)
Scope: Statewide

State: Texas
Name: Texas Aquaculture Association (TAA)
Address: P.O. Box 13285
Capitol Station
Austin, TX 78711
Phone: (512) 474-4600
FAX: (512) 345-7869
Publication: Aquanotes (bimonthly)
Scope: Regional; Species: Catfish, Crawfish, Tilapia, Alligators, Hybrid Striped Bass, Redfish, Shrimp, and Bait and Stocker Fish

State: Texas
Name: TAA Aquatic Plant Section
Address: Rte. 2, Box 65
Marion, TX 78124
Phone: (512) 659-5841
Scope: Aquatic plants

State: Texas
Contact: John Gaulding, President
Name: TAA Crawfish Section
Address: Box 289
Winnie, TX 77665
Phone: (409) 296-4533
Scope: State only; Species: Crawfish

State: Texas
Contact: Rocille Brawner, President
Name: TAA Ornamental/Tropical Section
Address: 114 W. Crews
Karnes City, TX 78118
Phone: (210) 780-4356
Publication: On Track (quarterly)
Scope: State only; Species: Any freshwater species used in the aquarium trade

State: Texas
Contact: Beau Nelson, President
Name: TAA Shrimp Farmers Section
Address: Rte. 2, Box 442-E
San Benito, TX 78586
Phone: (210) 748-2333
FAX: (210) 748-3600
Scope: Sell to national scope; Species: Shrimp

State: Utah
Contact: Mark Leavitt
Name: Utah Aquaculture Association
Address: P.O. Box 310
Loa, UT 84747
Phone: (801) 836-2485
FAX: (801) 836-2489
Scope: State only; Species: Salmonids and Ornamentals

State: Virginia
Contact: Roy E. Martin, Executive Director
Name: National Aquaculture Council
Address: Ste. 500
1525 Wilson Blvd.
Arlington, VA 22209
Phone: (703) 524-8883
FAX: (703) 524-4619
Scope: National level; Species: All

State: Virginia
Contact: Bradley Powers, President
T. Robins Buck, Secretary-Treasurer
Name: National Association of State Aquaculture Coordinators
Address: P.O. Box 1163
Richmond, VA 23209
Phone: (804) 371-6094
FAX: (804) 371-7786
Publication: Newsletter
Scope: National

State: Virginia
Contact: Roy E. Martin
Name: National Fisheries Institute
Address: Ste. 500
1525 Wilson Blvd.
Arlington, VA 22209
Phone: (703) 524-8880
FAX: (703) 524-4619
Publication: Flashes (bimonthly)
Scope: National and international level; Species: All except tropical

State: Virginia
Contact: Roy E. Martin
Name: Shellfish Institute of North America
Address: Div. of National Fisheries Institute
Ste. 500
1525 Wilson Blvd.
Arlington, VA 22209
Phone: (703) 524-8883
FAX: (703) 524-4619
Scope: International; Species: All Shellfish

State: Virginia
Contact: James Conway
Name: Virginia Fish Farmers Association
Address: 3906 Traylor Dr.
Richmond, VA 23235-1760
Phone: (804) 320-8968
Publication: VFFA Newsletter (monthly)
Scope: Statewide; Species: Hybrid Striped Bass, Rainbow Trout, Tilapia, some Shellfish, Catfish

State: Virginia
Contact: Chip Petre
Name: Virginia Shellfish Growers Association
Address: 421-B Messick Rd.
Poquoson, VA 23662
Phone: (804) 868-6058
Publication: Newsletter
Scope: Shellfish in Virginia

State: Virginia
Contact: Bryan Plemmons
Name: Virginia Trout Farmers Association
Address: Rte. 1, Box 151
Goshen, VA 24439
Phone: (703) 997-5461
Publication: OVTFA newsletter (quarterly)
Scope: State only; Species: Trout

State: Washington
Contact: Brian Allee
Name: American Fisheries Society
Address: Harza N.W. 2353
130th Ave., N.E.
Bellevue, WA 98005
Phone: (206) 882-2455
FAX: (206) 883-7555
Publication: Quarterly newsletters
Scope: International (focused on North America); Species: All

State: Washington
Name: Chilean Salmon Farmers
Address: 1008 Western Ave., Ste. 301
Seattle, WA 98104
Phone: (206) 233-9101
FAX: (206) 464-0879
Scope: International; Species: Salmon

State: Washington
Contact: Tim Smith, Executive Director
Name: Pacific Coast Oyster Growers Association
Address: 120 State Ave., N.E. #142
Olympia, WA 98501-8212
Phone: (206) 459-2828
FAX: (206) 459-2829
Publication: PCOGA Newsletter (2-3 times per year)
Scope: Regional; Species: All Shellfish

State: Washington
Contact: Pete Granger
Name: Washington Farmed Salmon Commission
Address: P.O. Box 5305
Bellingham, WA 98227
Phone: (206) 671-1997
FAX: (206) 671-2271
Publication: Fresh Tales (quarterly)
Scope: Statewide; Species: Salmon

State: Washington
Contact: Dan Swecker, Executive Director
Name: Washington Fish Growers Association
Address: 10420 173rd Ave., S.W.
Rochester, WA 98579
Phone: (206) 273-5890
FAX: (206) 273-6577
Publication: WFGA Newsletter
Scope: Statewide; Species: All fish produced in region; Salmonids

State: Washington
Contact: David C. McMillin, President
Name: West Coast Clam Growers Association
Address: c/o Olympia Oyster Company
SE 1042 Bloomfield Rd.
Shelton, WA 98584
Phone: (206) 426-3354
FAX: (206) 427-0122
Scope: Regional (mostly state); Species: Clams

District: Washington, DC
Contact: Nina Selin, President
Name: National Aquarium Society
Address: U.S. Department of Commerce Bldg.
14th St. and Constitution Ave., N.W.
Washington, DC 20230
Phone: (202) 482-4484

District: Washington, DC
Contact: Andrew Loftus, Research Specialist
Name: Sport Fishing Institute
Address: Ste. 200
1033 N. Fairfax St.
Alexandria, VA 22314
Phone: (703) 519-9691
FAX: (703) 519-1872
Publications: SFI Bulletin (monthly); Sport Fishing News (monthly)
Scope: Species: All

State: West Virginia
Name: National Aquaculture Association
Address: P.O. Drawer 1569
Shepherdstown, WV 25443
Phone: (304) 876-2251; (800) 626-3301
FAX: (304) 876-0946
Publication: NAA Newsletter
Scope: Umbrella organization serving 33 other associations. Broad scope covers most species

State: West Virginia
Contact: Joe McCraren
Name: U.S. Trout Farmers Association
Address: P.O. Box 220
Harper's Ferry, WV 25425
Phone: (304) 876-6666
FAX: (304) 876-0946
Publication: Salmonid Magazine
Scope: Species: Trout; some Salmonids

State: Wisconsin
Contact: Hugo Kettula, Secretary/Treasurer
Name: Wisconsin Aquaculture Association
Address: Box 15
Lewis, WI 54851
Phone: (715) 653-2271
Publication: The Creel (4 times per year)
Scope: Regional (Midwest); Species: All

Section VI: Selected Extension Contacts

The following extension contacts are listed alphabetically by State. Please contact the person in your area for best information on appropriate species, regional and State regulations, general and specific information on aquaculture, and aquaculture information specific to your area.

State: **Alabama**

Contact: John Jensen
Name: Auburn University
Address: Fisheries and Allied Aquacultures
 Auburn, AL 36849-5628
Phone: (205) 844-9211

State: **Alaska**

Contact: Donald E. Kramer, Leader
Name: University of Alaska-Fairbanks
Address: Alaska Sea Grant Program Marine Advisory Program
 2221 E. Northern Lights Blvd., Ste. 110
 Anchorage, AK 99508-4140
Phone: (907) 274-9691
FAX: (907) 277-5242

State: **Arizona**

Contact: Patty Bacicwicz
Name: University of Arizona
Address: Agriculture-Natural Resources
 Arizona Cooperative Extension Service
 301 Forbes Bldg.
 Tucson, AZ 85721
Phone: (602) 621-7205

State: **Arkansas**

Contact: Nathan Stone
Name: University of Arkansas at Pine Bluff
Address: P.O. Box 4005
 Pine Bluff, AR 71601
Phone: (501) 543-8136

State: California
Contact: Fred S. Conte
Name: University of California-Davis
Address: Department of Animal Sciences
Davis, CA 95616
Phone: (916) 752-7490

State: Colorado
Contact: W. Dennis Lamm
Name: Colorado State University
Address: Cooperative Extension
1 Administration Bldg.
Fort Collins, CO 80523
Phone: (303) 491-6208

State: Connecticut
Contact: Nancy Balcolm
Name: University of Connecticut
Address: Sea Grant Marine Advisory Program
Cooperative Extension
1084 Shennecossett Rd.
Groton, CT 06340
Phone: (203) 445-3455

State: Delaware
Contact: John Ewart
Name: College of Marine Studies
Address: University of Delaware
700 Pilottown Rd.
Lewes, DE 19958-1298
Phone: (302) 645-4060

State: Delaware
Contact: Bernard Petrosky
Name: Delaware State University
Address: Department of Agriculture and Natural Resources
Dover, DE 19901
Phone: (302) 739-5189

District: District of Columbia

Contact: Harriette Phelps
Name: University of the District of Columbia
Address: Biology Department
4200 Connecticut Ave., N.W., Bldg. 44
Washington, DC 20008
Phone: (202) 282-7364

Federation: Federated States of Micronesia

Contact: Steve Lindsay
Name: College of Micronesia
Address: Cooperative Extension Service
Agriculture Research Station
Drawer F
Kolonia, Pohnpei, FSM 96941
Phone: (691) 320-2728 or (691) 320-2727

State: Florida

Contact: Charles E. Cichra
Name: University of Florida
Address: Department of Fisheries and Aquaculture
IFAS
Gainesville, FL 32611
Phone: (904) 392-9617

State: Georgia

Contact: George Lewis
Name: University of Georgia
Address: Extension Aquaculture and Fisheries Department
Athens, GA 30602
Phone: (706) 542-1924

Territory: Guam

Contact: David Crisostomo
Name: University of Guam
Address: Cooperative Extension Service
UOG Station
Mangilao, Guam 96923
Phone: (671) 734-2518 Ext. 3702

State: Hawaii
Contact: (open)
Name: University of Hawaii
Address: Sea Grant Extension Service
1000 Pope Rd., MSB 226
Honolulu, HI 96822
Phone: (808) 956-2869

State: Idaho
Contact: Ernie Brannon
Name: University of Idaho
Address: Aquaculture Institute
Moscow, ID 83843
Phone: (208) 885-5830
FAX: (208) 885-5968

State: Idaho
Contact: Gary Fornshell
Address: Twin Falls County Extension Office
246 Third Ave., E.
Twin Falls, ID 83301
Phone: (303) 491-6281

State: Illinois
Contact: Aquaculture Extension Specialist [Position Vacant]
Name: Southern Illinois University
Address: Fisheries Research Laboratory
Carbondale, IL 62901-6511
Phone: (618) 453-6025

State: Indiana/Illinois
Contact: LaDon Swann
Name: Purdue University
Address: Department of Animal Science
West Lafayette, IN 47907
Phone: (317) 494-6264

State: Iowa
Contact: Joseph E. Morris
Name: Iowa State University
Address: Department of Animal Ecology
124 Sciences Hall II
Ames, IA 50011-3221
Phone: (515) 294-4622

State: Kansas
Contact: F. Robert Henderson
Name: Kansas State University
Address: Department of Animal Science
128 Call Hall
Manhattan, KS 66506
Phone: (913) 532-1210

State: Kentucky
Contact: Robert M. Durborow
Name: Kentucky State University
Address: Cooperative Extension Program
Aquaculture Research Center
Athletic Dr.
Frankfort, KY 40601
Phone: (502) 227-6581

State: Louisiana
Contact: Wendell Lorio
Name: Louisiana State University
Address: Louisiana Cooperative Extension Service
Rm. 202-G, Knapp Hall
Baton Rouge, LA 70803
Phone: (504) 388-2152

State: Maine
Contact: Conrad W. Griffin
Name: University of Maine
Address: Cooperative Extension Service
110B Libby Hall
Orono, ME 04469
Phone: (207) 581-3181

State: Maryland
Contact: Thomas Handwerker, Director
Name: University of Maryland-Eastern Shore
Address: Small Farm Institute
Princess Anne, MD 21853
Phone: (410) 651-6623

State: Maryland
Contact: Don Webster
Name: University of Maryland
Address: Wye Research and Education Center
P.O. Box 169
Queenstown, MD 21658
Phone: (410) 827-8056

State: Massachusetts
Contact: Karl Rask
Name: University of Massachusetts
Address: Barnstable County Office
Deeds and Probate Bldg.
Barnstable, MA 02630
Phone: (508) 362-2511

State: Michigan
Contact: Donald L. Garling
Name: Michigan State University
Address: Department of Fisheries and Wildlife
9A Natural Resources Bldg.
East Lansing, MI 48824
Phone: (517) 353-1989

State: Minnesota
Contact: Jeff Gunderson
Name: University of Minnesota-Duluth
Address: Minnesota Sea Grant Extension Program
208 Washburn Hall
Duluth, MN 55812
Phone: (218) 726-8715

State: Mississippi
Contact: Marty Brunson
Name: Mississippi State University
Address: Mississippi Cooperative Extension Service
P.O. Box 5446
Mississippi State, MS 39762
Phone: (601) 325-3174

State: Missouri
Contact: Robert A. Pierce, II
Name: University of Missouri-Columbia
Address: Forestry, Fisheries and Wildlife Extension
1-25, Agriculture Bldg.
Columbia, MO 65211
Phone: (314) 882-4337

State: Montana
Contact: Oakley Winters
Name: Montana State University
Address: College of Agriculture/Extension Service
Bozeman, MT 59717
Phone: (406) 994-3681

State: Nebraska
Contact: Terrence B. Kayes
Name: University of Nebraska-Lincoln
Address: Department of Forestry, Fisheries and Wildlife
12 Plant Industry Bldg.
East Campus Mall
Lincoln, NE 68583-0814
Phone: (402) 472-8183

State: Nevada
Contact: Janet Usinger-Lesquereux
Name: University of Nevada-Reno
Address: College of Agriculture (222)
Reno, NV 89557-0004
Phone: (702) 784-6611

State: New Hampshire
Contact: Roland Barnaby
Name: University of New Hampshire
Address: Cooperative Extension Service
113 North Rd.
Brentwood, NH 03833
Phone: (603) 679-5616

State: New Jersey
Contact: George (Gef) Flimlin
Name: Rutgers University
Address: Agriculture Center
Rutgers Cooperative Extension
1623 Whitesville Rd.
Toms River, NJ 08753
Phone: (908) 349-1152

State: New York
Contact: Michael Timmons
Name: Cornell University
Address: Agricultural and Biological Engineering
312 Riley-Robb Hall
Ithaca, NY 14853
Phone: (607) 255-2801

State: New Mexico
Contact: Michael Sloane
Name: New Mexico State University
Address: P.O. Box 4901
Fish and Wildlife, Knox Hall
Las Cruces, NM 88003
Phone: (505) 646-7931

State: North Carolina
Contact: Tom Losordo
Name: North Carolina Cooperative Extension Service
Address: Campus Box 7617
North Carolina State University
Raleigh, NC 27695-7617
Phone: (919) 515-7587

State: North Carolina
Contact: Robert Williamson, Natural Resources Specialist
Name: North Carolina A&T State University
Address: P.O. Box 21928
Greensboro, NC 27420
Phone: (919) 334-7543

State: North Dakota
Contact: David L. Kliukebiel
Name: North Dakota State University
Address: Carrington Research Extension Center
Box 219
Carrington, ND 58421
Phone: (701) 652-2951

State: Ohio
Contact: James Ebeling
Name: Ohio State University
Address: Piketon Research and Extension Center
P.O. Box 549
Piketon, OH 45661-0549
Phone: (614) 289-2071

State: Oklahoma
Contact: Marley Beem
Name: Oklahoma State University
Address: Oklahoma Cooperative Extension Service
P.O. Box 1378
Ada, OK 74820
Phone: (405) 332-4100
FAX: (405) 332-8716

State: Oklahoma
Contact: Glen Gebhart
Name: Langston University
Address: P.O. Box 730
Langston, OK 73050
Phone: (405) 466-3836

State: Oregon
Contact: Jim Bergeron
Name: Oregon State University
Address: Astoria Seafood Laboratory
250 36th St.
Astoria, OR 97103
Phone: (503) 325-8027

State: Pennsylvania
Contact: David Evans
Name: Pennsylvania State University
Address: The Pennsylvania State University
217 Agricultural Administration Bldg.
University Park, PA 16802
Phone: (814) 863-3438

Common-wealth: Puerto Rico
Contact: Saul Wiscovich
Name: University of Puerto Rico, Recinto
Address: Natural Resources and Aquaculture
EDOC Oficina 107
Mayaguez, PR 00681
Phone: (809) 832-4040

State: Rhode Island
Contact: Michael Rice
Name: University of Rhode Island
Address: Department of Fisheries, Animals and Veterinary Sciences
Kingston, RI 02881
Phone: (401) 792-2114

State: South Carolina
Contact: Tom Schwedler
Name: Clemson University
Address: Aquaculture, Fisheries and Wildlife Department
Clemson, SC 29631
Phone: (803) 656-2810

State: South Dakota
Contact: Larry Tidemann
Name: South Dakota State University
Address: Cooperative Extension
Ag Hall 154, Box 2207
Brookings, SD 57007
Phone: (605) 688-4147

State: Tennessee
Contact: Tom Hill
Name: University of Tennessee
Address: P.O. Box 1071
Tennessee Cooperative Extension Service
Knoxville, TN 37901-1071
Phone: (615) 974-7164

State: Texas
Contact: James T. Davis
Name: Texas A&M University
Address: Wildlife and Fisheries Sciences Department
College Station, TX 77843
Phone: (409) 845-7473

State: Utah
Contact: Terry Messmer
Name: Utah State University
Address: College of Natural Resources
Department of Fish and Wildlife
Logan, UT 84332-5210
Phone: (801) 750-2459

State: Vermont
Contact: Linda Marek-Howe
Name: University of Vermont Extension System
Address: RR 4, Box 2298
Comstock Road-Berlin
Montpelier, VT 05602
Phone: (802) 656-3258

Territory: Virgin Islands

Contact: James Rakocy
Name: University of the Virgin Islands
Address: Agricultural Experiment Station
RR2, 10,000 Kingshill
St. Croix, VI 00850
Phone: (809) 778-0246

State: Virginia

Contact: Brian Nerrie
Name: Virginia State University
Address: Virginia Cooperative Extension Service
P.O. Box 540
Petersburg, VA 23803
Phone: (804) 524-5903

State: Virginia

Contact: Louis A. Helfrich
Name: Virginia Polytechnic Institute and State University
Address: 152 Cheatham Hall
Blacksburg, VA 24061
Phone: (703) 231-5059

State: Washington

Contact: Harry Buralow
Name: Washington State University
Address: Cooperative Extension Service
Pullman, WA 99164-6230
Phone: (509) 335-2811

State: Wisconsin

Contact: Fred P. Binkowski
Name: University of Wisconsin-Milwaukee
Address: Center for Great Lakes Studies
600 E. Greenfield Ave.
Milwaukee, WI 53204
Phone: (414) 382-1700
FAX: (414) 382-1705

State: West Virginia
Contact: Agnes M. Vanderpool Spicer
Name: West Virginia University
Address: Aquaculture Extension
P.O. Box 130
Elkins, WV 26241-0130
Phone: (304) 636-2455

State: Wyoming
Contact: Daryl Kautzman
Name: University of Wyoming
Address: Cooperative Extension Service
P.O. Box 3354
Laramie, WY 82071
Phone: (307) 766-5124

Section VII: State Aquaculture Coordinators and Contacts

The National Association of State Aquaculture Coordinators (NASAC), an affiliate of the National Association of State Departments of Agriculture (NASDA), is responsible for coordinating aquaculture programs at the State or territorial level. The purpose of NASAC is to promote, encourage, and assist the development of aquaculture in the United States by enhancing communication among Federal, State, local, and tribal governmental agencies, agricultural research and extension institutions, and trade and marketing associations. The following is a listing of State aquaculture coordinators and contacts.

- State:** **Alabama**
Contact: A.W. Todd
Address: Commissioner
 Department of Agriculture
 P.O. Box 3336
 Montgomery, AL 36109-0336
Phone: (205) 242-2650
FAX: (205) 240-3414
- State:** **Alaska**
Contact: Janet Burluson
Address: Department of Natural Resources
 Div. of Land and Water Management
 400 Willoughby Ave., 4th Floor
 Juneau, AK 99801
Phone: (907) 465-3400
FAX: (907) 586-2754
- Territory:** **American Samoa**
Contact: Ta'alo P. Lauofo
Address: Director
 Department of Agriculture
 Pago Pago, American Samoa 96799
- State:** **Arkansas**
Contact: Ted McNulty
Address: Development and Finance Authority
 100 Main St., Ste. 200
 P.O. Box 8023
 Little Rock, AR 72201
Phone: (501) 682-5849
FAX: (501) 682-5859

State: Arizona
Contact: Richard Willer
Address: State Veterinarian
Department of Agriculture
1688 W. Adams, Rm. 321
Phoenix, AZ 85007
Phone: (602) 542-4293
FAX: (602) 542-3244

State: California
Contact: Bob Hulbrock
Address: Aquaculture Coordinator
Department of Fish and Game
1416 Ninth St., Rm. 1251
Sacramento, CA 95814-2090
Phone: (916) 653-9583
FAX: (916) 653-8256

State: Colorado
Contact: Jim Rubingh
Address: Director of Marketing
Department of Agriculture
700 Kipling, Ste. 4000
Lakewood, CO 80215-5894
Phone: (303) 239-4114
FAX: (303) 239-4125

State: Connecticut
Contact: John H. Volk
Address: Director, Aquaculture Division
Department of Agriculture
P.O. Box 97
Milford, CT 06460
Phone: (203) 874-2855
FAX: (203) 783-4217

State: Delaware
Address: Marketing/Development Administrator
Department of Agriculture
2320 S. Dupont Hwy.
Dover, DE 19901-5515
Phone: (302) 739-4811
FAX: (302) 697-6287

State: Florida
Contact: Paul Zajicek
Address: Aquaculture Development Rep.
Department of Agriculture and Consumer Services
Bureau of Seafood and Aquaculture
2051 E. Dirac Dr.
Tallahassee, FL 32310-3760
Phone: (904) 488-4033
FAX: (904) 922-3671

State: Georgia
Contact: Mike Spencer
Address: Natural Resources, Game and Fisheries Division
Department of Agriculture
2123 U.S. Hwy. 278 S.E.
Social Circle, GA 30279
Phone: (404) 918-6418
FAX: (706) 557-3040

Territory: Guam
Contact: William J. Fitzgerald
Address: Economic Development and Planning
Department of Commerce
590 S. Marine Dr., Ste. 601
Tamuning, Guam, USA 96911
Phone: (671) 646-5841
FAX: (671) 646-7242

State: Hawaii
Contact: John Corbin
Address: Manager
Aquaculture Development Program
Department of Land and Natural Resources
335 Merchant St., Ste. 348
Honolulu, HI 96813
Phone: (808) 587-0030
FAX: (808) 587-0033

State: Idaho
Contact: Phil Mamer
Address: Division of Animal Industries
Department of Agriculture
P.O. Box 7249
Boise, ID 83707
Phone: (208) 334-3256
FAX: (208) 334-2170

State: Illinois
Contact: Delayne Holsapple
Address: Aquaculture Coordinator
Department of Agriculture
State Fairgrounds
P.O. Box 19281
Springfield, IL 62794-9281
Phone: (217) 782-6675
FAX: (217) 524-5960

State: Indiana
Contact: LaDon Swann
Address: Sea Grant Program
Purdue University
1026 Poultry Bldg.
W. Lafayette, IN 47907-1026
Phone: (317) 494-6264
FAX: (317) 494-9347

State: Iowa
Contact: Camille A. Valley
Address: Diversification Bureau
Marketing Division
Department of Agriculture
Wallace Bldg.
Des Moines, IA 50319
Phone: (515) 281-5402
FAX: (515) 281-6236

State: Kansas
Contact: Ken Boughton
Address: Marketing Program Coordinator
State Board of Agriculture
901 S. Kansas Ave.
Topeka, KS 66612-1282
Phone: (913) 296-3736
FAX: (913) 296-2247

State: Kentucky
Contact: Chris Kring
Address: Marketing Specialist
Department of Agriculture
100 Fair Oaks Lane, Ste. 222
Frankfort, KY 40601
Phone: (502) 564-6571
FAX: (502) 564-7852

State: Louisiana
Contact: Bryce Malone
Address: Assistant Commissioner
Department of Agriculture and Forestry
P.O. Box 3334
Baton Rouge, LA 70821-3334
Phone: (504) 922-1277
FAX: (504) 922-1289

State: Maine
Contact: Ken Honey
Address: Aquaculture Administrator
Department of Marine Resources
McKnown Point Rd.
West Booth Bay Harbor, ME 04575
Phone: (207) 633-9500
FAX: (207) 633-7109

State: Maryland
Contact: Bradley H. Powers
Address: Aquaculture Coordinator
Department of Agriculture
50 Harry S. Truman Parkway
Annapolis, MD 21401-7080
Phone: (410) 841-5724
FAX: (410) 841-5987

State: Massachusetts
Contact: Diane Baedeker
Address: Department of Food and Agriculture
100 Cambridge St.
Boston, MA 02202
Phone: (617) 727-3018, Ext. 170
FAX: (617) 727-7235

State: Michigan
Contact: Bob Craig
Address: Director, Agricultural Policy and Special Projects
Department of Agriculture
P.O. Box 30017
Lansing, MI 48909
Phone: (517) 373-1050
FAX: (517) 335-1423

State: Minnesota
Contact: Ying Q. Ji
Address: Aquaculture Coordinator
Department of Agriculture
90 W. Plato Blvd.
St. Paul, MN 55107
Phone: (612) 296-5081
FAX: (612) 296-6890

State: Mississippi
Contact: Roger E. Barlow
Address: Director of Marketing
Department of Agriculture and Commerce
P.O. Box 1609
Jackson, MS 39215-1609
Phone: (601) 354-7097
FAX: (601) 354-6001

State: Missouri
Contact: S. Wayne Yokley
Address: Division Director
Market Development Division
Department of Agriculture
P.O. Box 630
Jefferson City, MO 65102
Phone: (314) 751-2613
FAX: (314) 751-2868

State: Montana
Contact: Carol Hannah
Address: Department of Agriculture
Agriculture Development Division
P.O. Box 200201
Helena, MT 59620-0201
Phone: (406) 444-2402
FAX: (406) 444-5409

State: Nebraska
Contact: Bonnie Stauffer
Address: Agriculture Promotion Specialist
Department of Agriculture
P.O. Box 94947
Lincoln, NE 68509
Phone: (402) 471-4876; (800) 422-6692
FAX: (402) 471-2759

State: Nevada
Contact: Kevin C. Kesler
Address: University of Nevada Reno
Nevada Cooperative Extension
Mail Stop 189
Reno, NV 89557-0106
Phone: (702) 784-6611
FAX: (702) 784-4227

State: New Hampshire
Contact: Victoria Sokol Smith
Address: Aquaculture Coordinator
Department of Agriculture
P.O. Box 2042
Concord, NH 03302-2042
Phone: (603) 271-2753
FAX: (603) 271-1109

State: New Jersey
Contact: Linda O' Dierno
Address: Fish and Seafood Promotion
Department of Agriculture
CN 330, Rm. 204
Trenton, NJ 08625
Phone: (609) 292-2472
FAX: (609) 633-2550

State: New Mexico
Contact: Frank A. DuBois
Address: Director/Secretary
Department of Agriculture
P.O. Box 30005, Department 3189
Las Cruces, NM 88003-0005
Phone: (505) 646-3007
FAX: (505) 646-3303

State: New York
Contact: Jonathan Thomson
Address: Economic Development Specialist
Department of Agriculture and Markets
II Winners Circle
Albany, NY 12208
Phone: (518) 457-4383
FAX: (518) 457-2716

State: North Carolina
Contact: Tom Ellis
Address: Program Coordinator
Department of Agriculture
P.O. Box 27647
Raleigh, NC 27611-7647
Phone: (919) 733-7125
FAX: (919) 733-1141

State: North Dakota
Contact: Sarah Nordby
Address: Research Analyst
Department of Agriculture
600 E. Blvd., 6th Floor
Bismarck, ND 58505-0020
Phone: (701) 224-4757
FAX: (701) 224-4567

State: Ohio
Contact: Willis Brown
Address: Agricultural Marketing Specialist
Department of Agriculture
65 S. Front St.
Columbus, OH 43215
Phone: (614) 752-9816
FAX: (614) 644-5017

State: Oklahoma
Contact: John V. David, Jr.
Address: Marketing Development Coordinator
Department of Agriculture
2800 N. Lincoln Blvd.
Oklahoma City, OK 73105-4298
Phone: (405) 521-3864
FAX: (405) 521-4912

State: Oregon
Contact: Dalton Hobbs
Address: Seafood Marketing Manager
Agricultural Development and Marketing Division
Department of Agriculture
121 S.W. Salmon St., Ste. 240
Portland, OR 97204-2987
Phone: (503) 229-6734
FAX: (503) 229-6113

State: Pennsylvania
Contact: Leo Dunn
Address: Agriculture Development
Department of Agriculture
2301 N. Cameron St.
Harrisburg, PA 17110-9408
Phone: (717) 783-8462
FAX: (717) 787-2387

Common-wealth: Puerto Rico
Contact: Jaime Gonzalez Azar
Address: Director, Fisheries Development Program
Department of Agriculture
P.O. Box 10163
San Juan, PR 00908-1163
Phone: (809) 724-4911
FAX: (809) 725-7884

State: Rhode Island
Contact: Arthur Ganz
Address: Marine Biologist
Costal Fisheries Laboratory
1231 Succotash Rd.
Wakefield, RI 02879
Phone: (401) 783-2304
FAX: (401) 783-2760

State: South Carolina
Contact: Betsy Sheehan
Address: Aquaculture Coordinator
Department of Agriculture
P.O. Box 11280
Columbia, SC 29211-1280
Phone: (803) 734-2200
FAX: (803) 734-2192

State: South Dakota
Contact: Kevin Richter
Address: Div. of Agricultural Development
Agriculture Enterprise Program
Department of Agriculture
445 E. Capitol
Pierre, SD 57501
Phone: (605) 773-5436
FAX: (605) 773-5926

State: South Dakota
Contact: Robert Hanten
Address: Chief of Fisheries
Department of Game, Fish and Parks
521 E. Capitol
Pierre, SD 57501
Phone: (605) 773-4508
FAX: (605) 773-6245

State: Tennessee
Contact: Joe Gaines or Kelly Williams
Address: Department of Agriculture
Box 40627
Ellington Agricultural Center
Nashville, TN 37204
Phone: (615) 360-0160
FAX: (615) 360-0194

State: Texas
Contact: Jim Jones
Address: Coordinator for Institutional and Produce Marketing
Department of Agriculture
P.O. Box 12847
Austin, TX 78711
Phone: (512) 463-7563
FAX: (512) 463-9968

State: Texas
Contact: Bill Young
Address: Director of Aquaculture
General Land Office
1700 N. Congress Ave., SFA Bldg.
Rm. 710
Austin, TX 78701-1495
Phone: (512) 463-5086
FAX: (512) 475-1570

State: Utah
Contact: Randy Parker
Address: Director of Marketing
Department of Agriculture
350 N. Redwood Rd.
Salt Lake City, UT 84116
Phone: (801) 538-7108
FAX: (801) 538-7126

State: Vermont
Contact: Roger Clapp
Address: Agricultural Marketing Representative
Department of Agriculture
116 State St., Drawer 20
Montpelier, VT 05620-2901
Phone: (802) 828-2416
FAX: (802) 828-2361

Territory: Virgin Islands

Contact: Eric Dawson
Address: Commissioner
Department of Economic Development and Agriculture
P.O. Box 6400
St. Thomas, VI 00801
Phone: (809) 774-8784

State: Virginia

Contact: T. Robins Buck
Address: Aquaculture Development Manager
Department of Agriculture and Consumer Services
P. O. Box 1163
Richmond, VA 23209
Phone: (804) 371-6094
FAX: (804) 371-7786

State: West Virginia

Contact: Bob Williams
Address: Marketing and Development
Department of Agriculture
State Capitol
Charleston, WV 25305
Phone: (304) 558-2210
FAX: (304) 558-2203

State: Wisconsin

Contact: Erwin A. "Bud" Sholts
Address: Department of Agriculture, Trade and Consumer Protection
P.O. Box 8911
Madison, WI 53708-8911
Phone: (608) 266-9586
FAX: (608) 266-1300

State: Wyoming

Contact: Billie Lundberg
Address: Marketing and Promotions Division
Department of Agriculture
2219 Carey Ave.
Cheyenne, WY 82002-0100
Phone: (307) 777-6577
FAX: (307) 777-6593

Section VIII: Federal Agencies--Regional Level

State: Alaska
Contact: Region 7 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: 1011 E. Tudor Rd.
Anchorage, AK 99503
Phone: (907) 786-3352
FAX: (907) 786-3350

State: Colorado
Contact: Region 6 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: P.O. Box 737
Fort Morgan, CO 80701-0737
Phone: (303) 867-3773
FAX: (303) 867-3774

State: Georgia
Contact: Region 4 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: 1875 Century Blvd.
Atlanta, GA 30345
Phone: (404) 679-4157
FAX: (404) 730-3229

State: Minnesota
Contact: Region 3 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: BHW Federal Bldg., Hatcheries
Fort Snelling, MN 55111-4056
Phone: (612) 725-3447
FAX: (612) 725-3508

State: Montana
Name: Fish Technology Center
Address: U.S. Fish and Wildlife Service
4050 Bridger Canyon Rd.
Bozeman, MT 59715
Phone: (406) 587-9265

State: New Mexico
Contact: Region 2 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: P.O. Box 1306
Albuquerque, NM 87103
Phone: (505) 766-2347
FAX: (505) 766-2289

State: Oregon
Contact: Region 1 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: Eastside Federal Complex
911 N.E. 11th Ave.
Portland, OR 97232-4181
Phone: (503) 231-5972
FAX: (503) 231-2062

State: Pennsylvania
Contact: Region 5 Aquaculture Coordinator
Name: U.S. Fish and Wildlife Service
Address: Fish Technology Center
P.O. Box 75
Tylersville Rd.
Lamar, PA 16848
Phone: (717) 726-4247
FAX: (717) 726-7247

District: Washington, DC
Contact: Information Specialist
Name: Georgetown Center
Address: U.S. National Oceanic and Atmospheric Administration
3300 Whitehaven
Washington, DC 20235
Phone: (202) 634-7346

Section IX: Federal Agencies and Administrative Offices

This section lists descriptions of Federal agencies or organizations that provide services or support to aquaculture programs. An alphabetical index appears at the end of this publication. Please contact your local or regional representatives for information specific to your State or region.

Department: U.S. DEPARTMENT OF AGRICULTURE

- Name:** **Agricultural Marketing Service Federal-State Marketing Improvement Program**
- Address:** Transportation and Marketing Division
Agricultural Marketing Service
U.S. Department of Agriculture
Rm. 4006, South Building
P.O. Box 96456
Washington, DC 20090-6456
- Phone:** (202) 720-2704
- FAX:** (202) 690-0338
- Scope:** The Agricultural Marketing Service of the U.S. Department of Agriculture provides assistance to aquaculture through the **Federal-State Marketing Improvement Program (FSMIP)**. This program seeks to improve the marketing of aquaculture commodities and to reduce marketing costs for the benefit of producers and consumers. Projects include work on innovative marketing techniques, testing study findings in the marketplace, and developing State expertise to provide service to marketers of agricultural products. FSMIP is a matching funds program exclusively available on a competitive basis through State Departments of Agriculture or other State agencies, who must submit proposals directly to the address above for projects aimed at improving marketing services in their States and/or regional projects.
- Name:** **Agricultural Marketing Service Livestock and Seed Division**
- Contact:** Chief, Commodity Procurement Branch
- Address:** Agricultural Marketing Service
U.S. Department of Agriculture
Rm. 2610, South Building
P.O. Box 96456
Washington, DC 20090-6456
- Phone:** (202) 720-2650
- FAX:** (202) 720-9538
- Scope:** The **Livestock and Seed Division** of the Agricultural Marketing Service, U.S. Department of Agriculture, is responsible for purchasing meat and fish products in order to stabilize market conditions and furnish nutritious food to meet the needs of the Department's domestic feeding programs. Under certain excess supply conditions, aquaculture products may qualify for this program.

Name: **Agricultural Marketing Service Transportation and Marketing Division**

Contact: Director, Transportation and Marketing Division

Address: Distribution Services Branch
Agricultural Marketing Service
U.S. Department of Agriculture
Rm. 2945, South Building
P.O. Box 96456
Washington, DC 20090-6456

Phone: (202) 720-8357

FAX: (202) 690-4948

Scope: The Transportation and Marketing Division of the Agricultural Marketing Service, U.S. Department of Agriculture, conducts research on the market opportunities for aquaculture products. This research helps determine the economic feasibility of developing an aquaculture program based on the potential opportunities for marketing the product. This work applies to those already engaged in commercial production and to those planning new production and marketing organizations.

Name: **Agricultural Research Service**

Contact: National Program Leader, Animal Nutrition-Aquaculture

Address: National Program Staff
Agricultural Research Service
U.S. Department of Agriculture
Rm. 206, Bldg. 005, BARC W.
Beltsville, MD 20705

Phone: (301) 504-5925

FAX: (301) 504-5467

Scope: The Agricultural Research Service's aquaculture research program includes marine shrimp in the Pacific region; cold, freshwater species in the Northeast region; and warm, freshwater species in the Mid-South region of the United States. Research is conducted on genetics, breeding, nutrition, disease diagnostics and control, water quality and use, and production systems to increase production capacity and technology transfer. Improved product quality and marketing are supported with research on processing, off-flavors, food texture and taste, packaging, food safety, and value-added products. Research programs are conducted at Stoneville, Mississippi; Southern Regional Research Center, New Orleans, Louisiana; Animal Parasite Research Laboratory, Auburn, Alabama; University of Hawaii, Honolulu, Hawaii; and Lane, Oklahoma. Cooperative research programs are conducted at the Oceanic Institute, Waimanalo, Hawaii; the Conservation Fund and Freshwater Institute, Shepherdstown, West Virginia; Mississippi State University, Mississippi State and Mississippi Agricultural and Forestry Experiment Station, Stoneville, Mississippi; and Northern Crops Institute, Fargo, North Dakota.

Name: **Animal and Plant Health Inspection Service**

Contact: Director, Policy and Program Development

Address: Animal and Plant Health Inspection Service
U.S. Department of Agriculture
Rm. 305E, Administration Bldg.
14th and Independence Ave., S.W.
Washington, DC 20250

Phone: (202) 720-5283

FAX: (202) 690-2251

Scope: The Animal and Plant Health Inspection Service (APHIS) provides a broad range of cooperative animal and plant health protection services to livestock and crop producers through a field force located in all 50 States and in foreign countries. APHIS provides several services to both plant and animal aquaculture and is currently considering expansion of services to animal aquaculture.

Current services include import requirements for aquatic plants to prevent the importation and dissemination of plant pests and diseases and noxious aquatic weeds into and within the United States. APHIS also participates in joint State-Federal programs to control noxious aquatic weeds in the United States and helps develop control methodology, including use of biocontrol organisms.

Aquaculture producers experiencing problems with facility damage and depredation by migratory birds and other animals receive on-site assistance from APHIS' Animal Damage Control Division.

APHIS licenses veterinary biologics (vaccines, diagnostic kits, etc.) for prevention, diagnosis, and/or treatment of diseases of animals, including aquatic animals; several fish vaccines are presently licensed by APHIS.

APHIS' **National Veterinary Services Laboratories (NVSL)** in Ames, Iowa, provide a limited amount of diagnostic assistance to aquaculture producers, mostly in problem cases.

APHIS is working with the Fish and Wildlife Service and other members of the Joint Subcommittee on Aquaculture to delineate agency roles to best meet the aquaculture industry's aquatic animal health needs.

Name: **Cooperative State Research Service**

Contact: Director, Office of Aquaculture

Address: Cooperative State Research Service
U.S. Department of Agriculture
Ste. 342, Aerospace Bldg.
14th and Independence Ave., S.W.
Washington, DC 20250-2200

Phone: (202) 401-4929

Phone: (202) 401-4929
FAX: (202) 401-5179

Name: **Cooperative State Research Service**

Contact: Principal Aquacultural Scientist
Address: Cooperative State Research Service
U.S. Department of Agriculture
Ste. 330, Aerospace Bldg.
14th and Independence Ave., S.W.
Washington, DC 20250-2200

Phone: (202) 401-4061

FAX: (202) 401-4888

Scope: The Cooperative State Research Service (CSRS) works with the State agricultural experiment stations, forestry schools, 1890 land-grant colleges, Tuskegee Institute, and colleges of veterinary medicine. CSRS allocates formula funds to States for maintaining high-quality research programs in agriculture. CSRS awards grants in aquaculture on a competitive basis through the Aquaculture Special Grant Program and the National Research Initiative. It also awards grants in aquaculture on research problems that Congress believes are important to the Nation. In cooperation with the Extension Service, CSRS administers five Regional Aquaculture Centers for the performance of aquacultural research, extension, and demonstration projects. CSRS houses the Office of Aquaculture which is responsible for coordination of all aquaculture programs in the U.S. Department of Agriculture.

Name: **Economic Research Service**

Contact: Agricultural Economist-Aquaculture
Address: Economic Research Service
U.S. Department of Agriculture
1301 New York Ave., N.W., Rm. 834
Washington, DC 20005-4788

Phone: (202) 219-0085

FAX: (202) 219-0042

Scope: The mission of the Economic Research Service (ERS) is to provide economic and other social science information and analysis for improving the performance of agriculture and rural America. ERS produces such information as a service to the general public and to help Congress and the administration develop, administer, and evaluate agricultural and rural policies and programs. The "Aquaculture Situation and Outlook Report" is part of a series of reports that analyze the production and demand for agricultural commodities, food and fiber products, and production resources. The "Aquaculture Situation and Outlook Report" provides information on the supply, demand, pricing, and trade for aquacultural and related wild-harvested fisheries products. Information is also provided on regulatory and public policy issues.

Name: **Extension Service**

Contact: your County Agricultural Extension Office or
your State Cooperative Extension Service or
the National Program Leader for aquaculture, Extension Service

Address: Extension Service
U.S. Department of Agriculture
Rm. 3863, South Building
AG Box 0916
Washington, DC 20250-0900

Phone: (202) 720-5004

FAX: (202) 690-4869

E'mail: gjensen@esusda.gov

Scope: The Extension Service is the primary educational arm of the U.S. Department of Agriculture. Through the Cooperative Extension System's 74 land-grant universities located in all 50 States, 6 territories, and the District of Columbia, programs are implemented in partnership with Federal, State, and county levels of government. The system functions as a nationwide educational network and includes professional staff in nearly all of the Nation's 3,150 counties. It provides for the transfer of research, technology, and management information through educational programs and technical assistance to help people improve their lives where they reside and work. The Cooperative Extension System relies on information generated by research and helps interpret research results to speed the application and dissemination of this information to the public.

Many States have developed extension educational and service programs in aquaculture. They provide programs such as workshops for new fish farmers, short courses in management and fish diseases, aquaculture demonstrations, farm visits, field days, inservice training programs, 4-H youth programs, and distribute written and videotape educational materials to assist with aquaculture development. Many educational programs include timely newsletters on a variety of aquaculture topics.

Name: **Farmers Home Administration**

Contact: your Farmers Home Administration County Office or
Legislative Affairs and Public Information Staff

Address: Farmers Home Administration
U.S. Department of Agriculture
Rm. 5037, South Building
14th and Independence Ave., S.W.
Washington, DC 20250

Phone: (202) 720-4323

FAX: (202) 690-0311

Scope: The Farmers Home Administration (FMHA) makes and guarantees farm ownership and operating loans and provides technical management assistance to family farmers and ranchers. Farm ownership loans may be used to buy, improve, or enlarge farms, including buildings, ponds, wells, and water

systems. Farm operating loans may be used to pay for items needed for a successful operation such as farm and home equipment, feed, fuel, chemicals, and hired labor.

Loan funds may be used to provide facilities and operational resources to produce fish under controlled conditions. Interest rates and repayment schedules will vary according to the type of loan made and the cost of borrowing to the Federal Government. Guaranteed loans are negotiated by the borrower and the lender.

Name: Foreign Agricultural Service

Address: Ag Export Services Division
Foreign Agricultural Service
U.S. Department of Agriculture
Rm. 4939, South Building
14th and Independence Ave., S.W.
Washington, DC 20250-1052

Phone: (202) 720-7420

FAX: (202) 690-4374

Name: Foreign Agricultural Service

Contact: Trade Assistance and Promotions Office

Address: Trade Assistance and Promotions Office
Foreign Agricultural Service
U.S. Department of Agriculture
Rm. 4939, South Building
14th and Independence Ave., S.W.
Washington, DC 20250-1050

Phone: (202) 720-7420

FAX: (202) 690-4374

Scope: USDA's Foreign Agriculture Service (FAS) operates numerous export assistance and market promotion programs to help U.S. exporters of food and agricultural products. The FAS Trade Assistance and Promotion Office (TAPO) is a good first point of contact for exporters who need foreign market information and assistance in accessing government programs. TAPO has country- and commodity-specific market reports which contain information on best market prospects and contact information of distributors and importers. TAPO can also help you find the correct USDA office to assist you with your technical questions on exporting. Contact (202) 720-7420.

The AgExport Connections Office operates several low-cost services that can help U.S. exporters make direct contact with foreign buyers. Among the services offered are: Trade Leads, Buyer Alert, Foreign Buyer Lists, and U.S. Supplier Lists. Information on these and other FAS export assistance programs is contained in the AgExport Action Kit, which can be ordered by contacting AgExport Connections at (202) 720-7103 or (202) 690-4374 (FAX).

FAS also has a program of trade events. Contact the Trade Show Office at (202) 690-1182 for a calendar of upcoming international trade shows and sales missions and information on how to participate.

For specific information on aquaculture programs, production and trade statistics, contact the Dairy, Livestock and Poultry Division of FAS at (202) 720-4799.

Name: National Agricultural Library

Contact: Aquaculture Information Center

Address: U.S. Department of Agriculture
National Agricultural Library
10301 Baltimore Blvd., Rm. 304
Beltsville, MD 20705-2351

Phone: (301) 504-5558

FAX: (301) 504-5472

Scope: The National Agricultural Library (NAL) has established an Aquaculture Information Center which was mandated by the National Aquaculture Improvement Act of 1985 to serve as a repository for national aquaculture information. The library acquires materials through purchase, gift, and exchange, including books and journals, microfiche collections, audiovisuals, and computer software in the field of aquaculture. It also provides document delivery service for many of these materials through the Document Delivery Services Branch.

Staff of the Aquaculture Information Center publish bibliographies of interest to potential and practicing aquaculturists, conduct online and CD-ROM (Compact Disc, Read-Only Memory) computerized searches of aquaculture-related databases, provide general information, and make referrals to aquaculture extension specialists or other contact sources. The Center networks with States, Regional Aquaculture Centers, libraries, and the public and private sectors to enhance information exchange in the Nation. The Aquaculture Information Center at NAL is represented on the Federal-wide Joint Subcommittee on Aquaculture and supporting Aquaculture Information and Technology Transfer Task Force. Staff place emphasis on clearinghouse activities and explore and utilize new computer technologies to improve information collection and exchange in the field.

Name: National Agricultural Statistics Service

Address: Livestock, Dairy and Poultry Branch
National Agricultural Statistics Service
U.S. Department of Agriculture
Rm. 5906, South Building
14th and Independence Ave, S.W.
Washington, DC 20250-2000

Phone: (202) 720-6147

FAX: 1-800-682-5418

Scope: The National Agricultural Statistics Service of the U.S. Department of Agriculture prepares and publishes processors' monthly reports on farm-raised catfish. Data include round weight processed, prices paid to producers, end-of-the-month inventories, quantities sold, prices received by method of sales, imports, and exports.

The 15 major catfish-producing States collect and publish producer inventory and sales data. The four largest catfish-producing States (Alabama, Arkansas, Louisiana, and Mississippi) collect data quarterly while the other 11 States collect data twice a year.

Trout producer sales and losses data are collected and published for the 15 major catfish-producing States annually. The survey uses a reference date of September 1.

Name: **Office of Aquaculture**

Contact: Director, Office of Aquaculture
Address: Cooperative State Research Service
U.S. Department of Agriculture
Ste. 342, Aerospace Bldg.
14th and Independence Ave., S.W.
Washington, DC 20250-2200

Phone: (202) 401-4929

FAX: (202) 401-5179

Scope: The Office of Aquaculture, U.S. Department of Agriculture, is the coordinating unit for Department-wide aquaculture activities and provides leadership for the Federal-wide Joint Subcommittee on Aquaculture. The Office of Aquaculture also coordinates the operations and activities of the five USDA Regional Aquaculture Centers.

Name: **Office of International Cooperation and Development**

Contact: Director
Address: Research and Scientific Exchange Division
Office of International Cooperation and Development
U.S. Department of Agriculture
Rm. 3222, South Building
14th and Independence Ave., S.W.
Washington, DC 20250-4300

Phone: (202) 690-4872

FAX: (202) 690-0892

Scope: The Office of International Cooperation and Development (OICD) Research and Scientific Exchange Division seeks new knowledge and technology beneficial to the United States and cooperating countries through collaborative research in agriculture (including aquaculture) and forestry. Research programs are consistent with USDA's broad goals. They support the agricultural research system, increase net U.S. farm income, expand agricultural exports, conserve natural resources, and improve world agriculture.

Program areas which have aquaculture components are: (1) Foreign Currency Research (P.L. 480); (2) Binational Collaborative Research; (3) U.S.-Israel Binational Agricultural Research and Development Fund (BARD); (4) Scientific and Technical Exchange Program; and (5) AID Funded Egyptian Program.

Name: Soil Conservation Service
Contact: National Biologist-Aquaculture
Address: Ecological Sciences Division
Soil Conservation Service
U.S. Department of Agriculture
P.O. Box 2890
Rm. 6150, South Building
Washington, DC 20250
Phone: (202) 720-5991
FAX: (202) 720-2646
Scope: Current Soil Conservation Service (SCS) policy recognizes that aquaculture (fish farming) is and will continue to be an important part of farming activities in some areas of the United States. Assistance for aquaculture may be a part of soil and water conservation activities in some areas as determined by soil conservation districts and reflected in their plans and priorities.

The primary objective of SCS assistance in fish farming is to ensure protection of the soil and water resource base. Careful resource assessment during conservation planning and application is a very important part of accomplishing this objective. SCS can assist with an initial resource assessment by furnishing data on (1) water quality, (2) water quantity, and (3) soils.

SCS may provide detailed assistance for planning an installation of projects with consideration for (1) water quality, (2) water quantity, (3) appropriate fish species, (4) soils investigation, (5) site limitations, and (6) facility design and layout. Contractors and consultants are encouraged to plan and install fish farming facilities, making use of guidelines developed by SCS such as standards and technical notes. Where the fish farming workload is heavy, training sessions and field demonstrations can be used to develop these other sources of assistance.

Department: U.S. DEPARTMENT OF THE ARMY

Name: Army Corps of Engineers
Contact: Director
Address: Research and Development Directorate (Civil Works)
U.S. Headquarters
Army Corps of Engineers (CERD-C)
U.S. Department of the Army
20 Massachusetts Ave., N.W.
Washington, DC 20314-1000

Phone: (202) 272-0257
FAX: (202) 272-0907
Scope: See Scope for Regulatory Branch below

Or
Address: Regulatory Branch
Operations and Readiness Division
Civil Works Directorate
Army Corps of Engineers
U.S. Department of the Army
20 Massachusetts Ave., N.W.
Washington, DC 20314-1000

Phone: (202) 272-1785
FAX: (202) 504-5096

Scope: Agriculture projects that involve the discharge of dredged or fill material into waters of the United States (includes marshes and other wetlands) or construction in the navigable waters of the United States must have a permit from the Army Corps of Engineers under Section 404 of the 1972 Clean Water Act and Section 10 of the 1899 Rivers and Harbors Act, respectively. The Corps makes its permit decisions based on a balancing of all the positive and negative impacts of the project. State and local approvals are frequently prerequisites to the Corps permit.

Department: U.S. DEPARTMENT OF COMMERCE

Name: Economic Development Administration

Contact: Director, Technical Assistance and Research Division

Address: U.S. Department of Commerce
14th and Pennsylvania Ave., N.W., Rm. 7315
Washington, DC 20230

Phone: (202) 482-4085

FAX: (202) 482-0995

Scope: The programs of the Economic Development Administration (EDA) are designed to help alleviate conditions of substantial and persistent unemployment and underemployment in economically distressed areas and regions of the Nation. While these programs do not expressly address efforts to generate new job opportunities and area income through aquaculture, EDA can, particularly under its Public Works and Development **Facilities Program** and its **Technical Assistance Program**, consider funding aquaculture projects that meet the Agency's regulations, applicant eligibility requirements, and project selection criteria. Policies and procedures that will be used to administer EDA programs during the fiscal year are published in an annual announcement in the Federal Register.

Name: **National Environmental Satellite, Data, and Information Service/National Oceanic and Atmospheric Administration**

Address: National Oceanographic Data Center
NOAA/NESDIS (E/OCx7)
User Services Division
U.S. Department of Commerce
1825 Connecticut Ave., N.W.
Washington, DC 20235

Phone: (202) 606-4549

FAX: (202) 606-4586

Scope: There are four informational programs sponsored by the National Environmental Satellite, Data, and Information Service (NESDIS) of the National Oceanic and Atmospheric Administration (NOAA) that have applications to the field of aquaculture. These programs provide services and products to a wide range of clientele. They are briefly described below.

The **Aquatic Sciences and Fisheries Information System (ASFIS)** is a computer-oriented system operated and maintained by several United Nations agencies and a network of information centers in member countries. A principal module of ASFIS is the **Aquatic Sciences and Fisheries Abstracts (ASFA)** database. This database covers international aquaculture and other topics in the marine and freshwater environmental sciences. It is available commercially as an online file and on compact disc. ASFA contains over 350,000 literature citations with abstracts. The printed counterpart on aquaculture is "ASFA Aquaculture Abstracts."

The **National Environmental Data Referral Service (NEDRES)** is available commercially as an online database containing over 22,000 descriptions and locations of data files on the environmental sciences, held by people and organizations in the United States and Canada.

The **NOAA Earth System Data Directory (NESDD)** is an online guide to about 700 environmental data sets held by NOAA. Two major functions are: (1) provide NOAA with a common system for documenting data held in NOAA data centers and other organizational components; and (2) provide the research community with the means to locate NOAA data sets.

The **NOAA Library and Information Network** consists of a central library in Rockville, Maryland, major branches in Miami and Seattle, and laboratory and information centers throughout the United States. Their collections encompass more than 1 million volumes on marine and atmospheric sciences, aquaculture, and environmental disciplines.

Name: National Marine Fisheries Service/National Oceanic and Atmospheric Administration

Contact: Aquaculture Specialist

Address: Office of Research and Environmental Information
National Marine Fisheries Service
U.S. Department of Commerce
1335 East West Hwy., Rm. 6314
Silver Spring, MD 20910

Phone: (301) 713-2363

FAX: (301) 588-4853

Scope: The National Marine Fisheries Service (NMFS) of the National Oceanic and Atmospheric Administration (NOAA) directs its aquaculture efforts toward managing common property resources and contributing to the restoration and protection of endangered species of stocks. It accomplishes this primarily through in-house research at several NMFS laboratories in the United States. In addition, NMFS disseminates aquaculture-related information and technological advances gained from its fisheries research. NMFS cooperates with Federal and State agencies, international bodies and foreign governments, and university and private interests, and promotes the development and expansion of domestic and international markets for products produced by the U.S. aquaculture industry.

Name: National Sea Grant College Program/National Oceanic and Atmospheric Administration

Address: National Sea Grant College Program
U.S. Department of Commerce
1315 East West Hwy., Rm. 11829
Silver Spring, MD 20910

Phone: (301) 713-2451

FAX: (301) 713-0799

Scope: The National Sea Grant College Program of the National Oceanic and Atmospheric Administration (NOAA) conducts research, extension, and educational programs with universities in all coastal and Great Lakes States. Sea Grant aquaculture research is conducted in many areas: genetics, biotechnology, endocrinology, physiology, pathology, engineering, nutrition, policy, economics, and others. The Program chooses research projects on the basis of scientific merit, peer review, and the present needs of the aquaculture industry. It gives priority to projects that fit both the National Aquaculture and Sea Grant Aquaculture Development Plans. The extension aspect, called Marine Advisory Service, utilizes a corps of area agents and specialists to provide public education, technology transfer, and demonstration projects in aquaculture. The Program develops information generated by Sea Grant and other research for use by groups in the private sector to develop marine aquaculture. The Program is operated through 30 Sea Grant Programs in the coastal and Great Lakes States. Investigators interested in research support should contact the State Sea Grant Directors of their respective States.

Name: National Technical Information Service
Address: U.S. Department of Commerce
5285 Port Royal Rd.
Springfield, VA 22161
Phone: (703) 487-4650
FAX: (703) 321-8547
Scope: The National Technical Information Service (NTIS), an agency of the U.S. Department of Commerce, is the central source for the archive and public sale of U.S. government-sponsored research and development reports in all subjects, including those related to aquaculture, and for sales of foreign technical reports and other analyses prepared by national and local government agencies and their contractors or grantees.

For a FREE copy of the NTIS Products and Services Catalog, please write or call (703) 487-4650 and ask for PR-827.

Department: U.S. DEPARTMENT OF ENERGY

Name: Biofuels Systems Division
Address: EE-331
U.S. Department of Energy
1000 Independence Ave., S.W.
Washington, DC 20585
Phone: (202) 586-8072
FAX: (202) 586-9815
Scope: The U.S. Department of Energy supports aquatic species research as a part of the Biofuels Systems Division research program, which is one of the renewable energy options pursued by the Department. The National Renewable Energy Laboratory (Golden, Colorado), universities, and private industry conduct aquatic species research to develop the technology base for production of liquid fuels from outdoor mass culture of microalgae. Research currently focuses on the development of microalgae strains with improved lipid productivity for conversion to an ester fuel.

Department: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Name: Food and Drug Administration Center for Food Safety and Applied Nutrition
Contact: Associate Director
Address: Office of Seafood
Center for Food Safety and Applied Nutrition
Food and Drug Administration
U.S. Department of Health and Human Services

200 C St., S.W., HFF 503
Washington, DC 20204

Phone: (202) 254-3888

FAX: (202) 254-3984

Scope: The Food and Drug Administration's (FDA) Center for Food Safety and Applied Nutrition is the primary Federal office with the responsibility for the assurance of seafood safety. The Center houses a wide range of programs devoted to the research and management of seafood, including aquaculture products. The FDA derives its authority for such programs primarily through two statutes: (1) the Federal Food, Drug and Cosmetic Act (FFDCA: 21 U.S.C. 301 et seq.), and (2) the Public Health Service Act (PHSA: 42 U.S.C. 262, 294 et seq.).

Under the FFDCA, the FDA is assigned responsibility to ensure that seafood shipped or received in interstate commerce is "safe, wholesome, and not misbranded or deceptively packaged." Under the PHSA, FDA is empowered to control the spread of communicable disease from one State, territory, or possession to another.

Name: **Food and Drug Administration Center for Veterinary Medicine**

Address: Center for Veterinary Medicine
Food and Drug Administration
U.S. Department of Health and Human Services
7500 Standish Pl.
Rockville, MD 20855

Phone: (301) 594-1761

FAX: (301) 594-1807

Scope: The Center for Veterinary Medicine (CVM) is responsible for the regulation of animal drugs, animal feeds, and veterinary medical devices. The Center's involvement in aquaculture consists of four main areas:

1. Approval of Animal Drugs and Feeds-Under the provisions of the Federal Food, Drug and Cosmetic Act, animal drugs must ordinarily be approved before distribution and use. Manufacture of medicated feeds may require separate approval. Nondrug feed additives also fall under FDA regulation and ordinarily require approval prior to use. Additionally, CVM supports the IR-4 program relating to the development of new drugs for aquacultural uses.

Approval of Animal Feeds-Division of Animal Feeds (HFV-220).

Phone: (301) 594-1724

FAX: (301) 594-1812

New Animal Drug Approval-Office of New Animal Drug Evaluation (HFV-100).

Phone: (301) 594-1620

FAX: (301) 594-2297

2. Oversight of Drug Distribution and Use-CVM conducts surveillance and compliance programs relating to animal drugs, animal feeds, and other veterinary medical matters, and coordinates the veterinary medical aspects of FDA inspections.

Oversight of Drug Use-Office of Surveillance and Compliance (HFV-200).

Phone: (301) 594-1761

FAX: (301) 594-1807

3. Research-CVM conducts basic drug metabolism and pharmacokinetics research needed to support the development of analytical methods for detection of drug residues in aquaculture species.

Research-Office of Science (HFV-500).

Phone: (301) 594-1702

FAX: (301) 594-2298

4. Educational Initiatives-CVM works with the industry to develop quality assurance programs and educational materials to assist producers in using drugs and chemicals safely in aquaculture production systems.

Educational Initiatives-Industry Programs Branch (HFV-244).

Phone: (301) 594-1769

FAX: (301) 594-1807

Department: U.S. DEPARTMENT OF THE INTERIOR

Name: U.S. Fish and Wildlife Service

Contact: National Aquaculture Coordinator

Address: ARLSQ 820
U.S. Fish and Wildlife Service
U.S. Department of the Interior
Mail Stop 820, Arlington Square
Arlington, VA 22203

Phone: (703) 358-1715

FAX: (703) 358-2210

Scope: The U.S. Fish and Wildlife Service (FWS), U.S. Department of the Interior, has responsibilities for restoring depleted fish populations, preserving endangered species, mitigating the impacts of Federal water developments on fish populations, managing fish resources on Federal lands, and providing scientific leadership in fishery resource management. A nationwide system of fish hatcheries, fisheries assistance offices, fish health centers, fish technology centers, fisheries research centers, and a training facility is operated to carry out these responsibilities. The Service's fisheries activities involve research, management, and culture of freshwater, anadromous, estuarine, and exotic fishes of recreational, ecological, and commercial importance. The Service has established an aquaculture mission consisting of two broad functions: (1) encourage the development of private aquaculture in a manner that is compatible with responsible natural resource stewardship, and (2)

make Service expertise, knowledge, and technical/scientific capabilities in fish culture and related disciplines available to the private aquaculture community.

Name: **U.S. Fish and Wildlife Service Office of Extension and Publications**

Subject: Information About Extension Activities
Contact: Chief, Office of Extension and Publications
Address: U.S. Fish and Wildlife Service
U.S. Department of the Interior
Webb Bldg., Mail Stop 304
Washington, DC 20240
Phone: (703) 358-1706
FAX: (703) 358-2283

Subject: Information About Publications
Address: Publications Unit
U.S. Fish and Wildlife Service
U.S. Department of the Interior
Webb Bldg., Mail Stop 304
Washington, DC 20240
Phone: (703) 358-1711
FAX: (703) 358-2314

Scope: Through its Office of Extension and Publications, the U.S. Fish and Wildlife Service (FWS) is committed to a continuing program of cooperation with the extension community in furthering mutual needs to inform and educate the public concerning fish and wildlife resources. This program addresses the field of aquaculture both from the standpoint of extension education and 4-H. Memoranda of Understanding with the USDA Extension Service and NOAA enable the FWS to produce suitable extension-type material in cooperation with the above agencies and to have them distributed effectively and efficiently through each agency's extensive communications network.

The **Publications Unit** distributes upon request the scientific and technical publications of the research arm of FWS. It also provides general interest information about fish and wildlife resources to the public. Less technical informational products related to aquaculture are available through this Office.

Name: **U.S. Geological Survey**
Address: Hydrologic Information Unit
U.S. Geological Survey
U.S. Department of the Interior
12201 Sunrise Valley Dr.
Reston, VA 22092

Phone: (703) 648-6818
FAX: (703) 648-5295
or your District Office of USGS's Water Resources Division (WRD)
Scope: The U.S. Geological Survey (USGS) collects a large amount of information related to the availability and quality of ground-water and surface-water supplies as part of its mission to inventory the Nation's resources. Information such as pollutant levels, aquifer locations, lake levels, stream flows, and other data useful to aquaculture is available from the USGS in a variety of forms including maps, reports, and computer output.

Department: Independent Agencies

Name: National Science Foundation (NSF)
Subject: General Information on the NSF/SBIR Program or a Copy of the Annual Solicitation
Address: SBIR Program
National Science Foundation
4201 Wilson Blvd., Rm. 590
Arlington, VA 22230
Phone: (703) 306-1390
FAX: (703) 306-0337

Subject: Information on Scientific Content of Marine/Estuarine Proposals
Address: Division of Ocean Sciences
National Science Foundation
4201 Wilson Blvd., Rm. 725
Arlington, VA 22230
Phone: (703) 306-1580
FAX: (703) 306-0390

Subject: Information on Scientific Content of Freshwater Proposals
Address: Division of Environmental Biology
National Science Foundation
4201 Wilson Blvd., Rm. 635
Arlington, VA 22230
Phone: (703) 306-1480
FAX: (703) 306-0367

Scope: (The following applies to all NSF offices listed above.) At the National Science Foundation (NSF), the Small Business Innovation Research (SBIR) Program provides funding for aquaculture research. This program annually solicits high-quality research proposals from small business firms on important scientific or engineering problems that could lead to significant public benefit. Aquaculture proposals submitted under this solicitation most gen-

erally fall under two major suggested topic areas: Marine/Estuarine or Freshwater Aquaculture. However, certain topic areas in engineering could be appropriate, depending upon the nature of the proposed research.

Name: **Small Business Administration**
Address: Small Business Administration Answer Desk
409 Third St., S.W.
Washington, DC 20416
Phone: (202) 205-6600
FAX: (202) 205-7064
Phone: Small Business Administration Answer Desk: (1-800) U-ASK-SBA
Scope: The U.S. Small Business Administration is an independent Federal agency created to assist, counsel, and champion America's small businesses, including aquaculture firms. The agency provides prospective, new, and established small businesses with financial assistance, management counseling, and training. The Small Business Administration also provides assistance to small firms interested in obtaining Federal Government contracts. The Office of Advocacy represents small business' interests before the U.S. Congress and other government agencies and promotes public awareness of the community's unique problems and needs.

Name: **Tennessee Valley Authority**
Contact: Leslie Behrends
Address: Tennessee Valley Authority
P.O. Box 1010
Muscle Shoals, AL 35660-1010
Phone: (205) 386-3485
FAX: (205) 386-2191
Scope: The Tennessee Valley Authority has several programs which relate to aquaculture.

The **National Environmental Research Center** is developing a research and development facility to evaluate artificial wetlands as biological filters for removing fertilizer nutrients from industrial waste streams. Other research being implemented will also impact water quality.

The **Rural Development Department** administers programs in cooperation with partners such as the university Extension Service, and a competitive grants program to encourage private sector adoption of new and emerging technologies in agriculture and aquaculture.

Name: **U.S. Agency for International Development**
Contact: Fisheries Advisor
Address: Bureau for Global Programs, Field Support and Research
Office of Agriculture
Washington, DC 20523-1809

Phone: (703) 875-4016 or 4098
FAX: (703) 875-4186
Scope: The U.S. Agency for International Development (USAID) supports aquacultural research and development projects where significant opportunities exist to utilize this form of food production to increase incomes and employment opportunities in developing countries. USAID supports applied research which addresses critical constraints to the expansion of economically viable and environmentally sustainable aquaculture in developing countries; assists in the education and training of aquaculturists, scientists, administrators, and extension specialists; and supports aquacultural development projects designed to introduce and demonstrate technically, economically, and environmentally sound aquacultural production methods and adapt them, where necessary, to local conditions.

Name: U.S. Environmental Protection Agency (EPA)

Address: 401 M St., S.W.
Washington, DC 20460

Subject: Water Quality/Effluent Guidelines
Address: Office of Science and Technology
Engineering and Analysis Division (4303)
Phone: (202) 260-7137
FAX: (202) 250-7185

Subject: Discharge Permits
Address: Office of Wastewater Enforcement and Compliance
Permits Division (4203)
Phone: (202) 260-9545
FAX: (202) 260-1460

Subject: Wastewater Treatment
Address: Office of Wastewater Enforcement and Compliance
Municipal Support Division (4204)
Phone: (202) 260-7378
FAX: (202) 260-0116

Subject: Wetlands Issues
Address: Office of Wetlands, Oceans and Watersheds
Wetlands Division (4502F)
Phone: (202) 260-7791
FAX: (202) 260-8000

Subject: Pesticide Registration
Address: Office of Pesticide Programs
Registration Division (7505C)
Phone: (703) 305-5447
FAX: (703) 305-6920

Subject: Residual Wastes
Address: Office of Solid Waste
Municipal and Industrial Waste Division (5306)
Phone: (202) 260-4536
FAX: (202) 260-4196

Scope: (The following applies to all U.S. EPA offices listed above.) The U.S. Environmental Protection Agency has several programs involved with aquaculture. The proper management of Effluents and **Residual Wastes** should be a major consideration of aquaculture systems in assuring the protection of the environment. EPA's **Water Quality** programs are concerned with setting water quality criteria and effluent discharge standards for assuring the protection of the Nation's waterways and water supplies. The National Pollutant Discharge Elimination System (NPDES) issues **Permits** for the discharge of wastewaters to surface waters, including discharges from aquaculture systems in many cases. Permits are also available from this program to use wastes as nutrients in public waters for aquaculture purposes. **Waste-water Treatment** in publicly owned treatment works is amenable to the use of aquaculture systems funded, in part, by EPA's State Revolving Fund (SRF) Program. In conjunction with the U.S. Army Corps of Engineers, EPA also implements the Clean Water Act Section 404 **Wetlands** protection program aimed at protecting natural wetlands from the impacts of dredging and filling. Chemicals and other materials to be used in aquaculture are subject to **Pesticide Registration** by EPA prior to marketing to the user.

Section X: Regional Aquaculture Center Administrative Offices

These five Regional Aquaculture Centers were established in 1987-88 and are administered by the U.S. Department of Agriculture in association with colleges and universities, Federal and State agencies and facilities, nonprofit research institutions, and private corporations. Their mission is to support aquaculture research, development, demonstration, and extension education to enhance viable and profitable U.S. aquaculture production.

State: Hawaii
Contact: Kevan Main
Name: Tropical and Subtropical Regional Aquaculture Center
Address: University of Hawaii and the Oceanic Institute
Makapuu Point
Waimanalo, HI 96795
Phone: (808) 259-7951
FAX: (808) 259-5971

State: Massachusetts
Contact: Victor Mancebo
Name: Northeastern Regional Aquaculture Center
Address: University of Massachusetts Dartmouth
North Dartmouth, MA 02747
Phone: (508) 999-8157
FAX: (508) 999-8590
E'mail: vmancebo@umassd.edu

State: Michigan
Contact: Ted Batterson
Name: North Central Regional Aquaculture Center
Address: Department of Fisheries and Wildlife
Michigan State University
East Lansing, MI 48824
Phone: (517) 353-1962
FAX: (517) 353-7181
E'mail: tbatt@msu.edu

State: Mississippi
Contact: Charles G. Shepherd
Name: Southern Regional Aquaculture Center
Address: Delta Research and Extension Center
Mississippi State University
P.O. Box 197
Stoneville, MS 38776
Phone: (601) 686-9311
FAX: (601) 686-9744

State: Washington
Contact: Ken Chew
Name: Western Regional Aquaculture Center
Address: School of Fisheries, WH-10
College of Ocean and Fisheries Sciences
University of Washington
Seattle, WA 98195
Phone: (206) 543-4290
FAX: (206) 685-4674
E'mail: kchew@fish.washington.edu

District: Washington, DC
Contact: Henry S. Parker, Director
Name: Office of Aquaculture
Address: U.S. Department of Agriculture
Cooperative State Research Service
Aerospace Center, Ste. 342
Washington, DC 20250-2200
Phone: (202) 401-4929
FAX: (202) 401-5179
E'mail: hparker@csrs.esusda.gov

Section XI: Equipment and Supply Sources

This section lists a few general sources that can guide you to specific companies and enterprises that provide equipment, supplies, consultants and other products for the aquaculture industry.

Name: Aquaculture Magazine Buyer's Guide

Address: Aquaculture Magazine
P.O. Box 2329
Asheville, NC 28802

Phone: (704) 254-7334

Scope: Includes index of products and services, suppliers to the industry, associations and contacts, and advertisers index. Comes out annually with subscription to Aquaculture Magazine (see Section III: Journals and Newsletters).

Name: Aquaculture News Supplier Directory

Address: P.O. Box 416
Jonesville, LA 71343

Phone: (318) 339-4660

FAX: (318) 339-4664

Scope: Small directory which includes dozens of suppliers. Comes out biannually as part of The Aquaculture News magazine (see Section III: Journals and Newsletters).

Name: Fisheries Product News and Aquaculture Action Deck

Address: Compass Publications
P.O. Box 37
Stonington, ME 04681

Phone: (207) 367-2396

Scope: Packet of 3 x 5 product information cards.

Name: Northern Aquaculture Buyer's Guide

Address: Northern Aquaculture
William Head Rd.
Victoria, BC V9B 5T7

Phone: (604) 478-9209

FAX: (604) 478-1184

Scope: Includes information on associations, colleges, government agencies, supplies and services, and directory of suppliers. Updated annually as a special edition of Northern Aquaculture. (see Section III: Journals and Newsletters)

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Only trade and professional associations (Section V: Trade and Professional Associations) and Federal agencies and administrative offices (Section IX: Federal Agencies and Administrative Offices) are provided in this index. Resources in other sections are either listed alphabetically by name or by State within their section, and therefore are not included here.

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