



Publications

May 2002

Under a grant from the U.S. Department of Agriculture, the Center for Tropical and Subtropical Aquaculture (CTSA) funds research, development, demonstration and extension projects. A number of publications resulting from these projects are now available.

I. CTSA Publications

The following publications are listed in order of CTSA publication number from most current published to previous issues.

They can be obtained by contacting either the author or the Center for Tropical and Subtropical Aquaculture, Administrative Offices, The Oceanic Institute, Makapu'u Point, Waimanalo, Hawaii, 96795; phone (808) 259-3168; fax (808) 259-8395.

CTSA #148. Howerton, R. 2001. *Best Management Practices for Hawaiian Aquaculture*. (This text version only is available online in Hyper-Text Markup Language [HTML] format (http://library.kcc.hawaii.edu/CTSA/publications/BMP_txt.htm).

CTSA #147. Ellis, S. and E. Ellis. 2001. *Recent Advances in Lagoon-based Farming Practices for 8 Species of Commercially Valuable Hard & Soft Corals - a Technical Report*. (This text version only is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/coral147.htm>)). (Hard copy requests taken by email or fax while supplies last. See front page for contact information).

CTSA #146. Kam, L.E.Y.W., P. S. Leung, A. C. Ostrowski, and A. Molnar. 2001. *Economics of a Pacific threadfin (Polydactylus sexfilis) Hatchery in Hawaii*. (This document is available online in PDF format (<http://library.kcc.hawaii.edu/CTSA/publications/pub146.pdf>)).

CTSA #145. Chambers, M., A. Apeitos, and J. Zimmerman. 2001. *Aquaculture Information Sheet: Growout Techniques for the Pacific Threadfin*. (This document is available online in PDF format (<http://library.kcc.hawaii.edu/CTSA/publications/pub145.pdf>)).

CTSA #144. Haws, M. and S. Ellis. 2000. *Aquaculture Information Sheet: Collecting Black-lip Pearl Oyster Spat*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/spat.htm>)). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/144.pdf>).

CTSA #143. Ellis, S. 2000. *Nursery and Growout Techniques for Giant Clams (Bivalvia: Tridacnidae)*.

CTSA #142. Cole, B., P. Kotol and M. Haring. 1999. *Production of Lemon Tetra Hyphessobrycon pulchripinnis*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/lemontetra.htm>)).

CTSA #141. Ellis, S. 1999. *Aquaculture Information Sheet: Producing pearls using the Black-lip pearl oyster*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/Blackpearl.htm>)). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/BlackPearl.pdf>)).

- CTSA #140. Ellis, S. 1999. *Aquaculture Information Sheet: Farming Soft Corals for the Marine Aquarium Trade*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/Softcoral.htm>). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/softcoralinfo.pdf>).
- CTSA #139. Ellis, S. 1999. *Aquaculture Information Sheet: Lagoon Farming of Giant Clams (bivalvia: Tridacnidae)*. (This document is available online in [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/lagoon.pdf>).
- CTSA #138. Cole, B.C. and M. Haring. 1999. *Spawning and Production of the Serpae Tetra, Hyphessobrycon Serpae*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/serpae.htm>). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/serpae.pdf>).
- CTSA #137. Ellis, S. and L. Sharron. 1999. *The Culture of Soft Corals (Order: Alcyonacea) for the Marine Aquarium Trade*. **{Free to those within the CTSA region}**. **Publication requests outside the CTSA region must remit US\$20 per book [cashier's check or money order payable to The Oceanic Institute].** (This document is available online in [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/softcoral.pdf>).
- CTSA #136. Bailey, R. and B. Cole. 1999. *Aquafarmer Information Sheet: Spawning the Tinfoil Barb, Barbodes schwanenfeldi, in Hawaii*. ([PDF version](#) available for download in Adobe Acrobat.)
- CTSA #135. Cole, B. C., C. Tamaru, R. Bailey and C. Brown. 1998. *A Manual for Commercial Production of the Gourami, Trichogaster trichopterus, a Temporary Paired Tank Spawner*. **This publication no longer available for distribution**. (This document is available online [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/gourami.pdf>).
- CTSA #134. Fast, A. W. 1998. *Aquafarmer Information Sheet: Triploid Chinese Catfish*. ([PDF version](#) available for download.)
- CTSA #133. Tamaru, C. S., H. Ako, R. Paguirigan, Jr., and L. Pang. 1999. *Enrichment of Artemia for Use in Freshwater Ornamental Fish Production*. **This publication no longer available for distribution**. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>). Due to size of document download time may take from 2 to 4 minutes with slower modems.) (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/Artemia.htm>).
- CTSA #132. Ostrowski, A. C., and A. Molnar. 1998. *Pacific Threadfin, Polydactylus sexfilis (Moi), Hatchery Manual*. **(no longer available for distribution)**
- CTSA #131. Cole, B., C. S. Tamaru, R. Bailey, C. Brown and H. Ako. 1999. *Shipping Practices in the Ornamental Fish Industry*. (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/shipping/shipping.htm>). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/shipping/shipping.pdf>).
- CTSA #130. Ellis, S. 1998. *Spawning and Early Larval Rearing of Giant Clams*. [with companion video while supplies last]. (This document is available online in Adobe Acrobat (PDF) format and can be downloaded free at <http://library.kcc.hawaii.edu/CTSA/publications/GCManual> (PDF). (This document is available online in Hyper-Text Markup Language [HTML] format (<http://library.kcc.hawaii.edu/CTSA/publications/GCManual.html>). **(U.S. residents [and those in the CTSA region] must remit US\$5 per book for shipping and handling [cashier's check or money order payable to The Oceanic Institute]. Foreign residents must remit US\$20 per book [cashier's check or money order payable to The Oceanic Institute].)**
- CTSA #129. Tamaru, C. S., B. Cole, R. Bailey, C. Brown. 1997. *A Manual for Commercial Production of the Tiger Barb, Capoeta tetrazona, A Temporary Paired Tank Spawner*. (This document is available online in Hyper-Text Markup Language [HTML] format - <http://library.kcc.hawaii.edu/CTSA/publications/tiger.html>). [PDF] format (<http://library.kcc.hawaii.edu/CTSA/publications/tigerbarb.pdf>).

- CTSA #128. Tamaru, C. S., B. Cole, R. Bailey, C. Brown. 2001. A Manual for the Commercial Production of the Swordtail, *Xiphophorus helleri*. This document is available (text only) online in Hyper-Text Markup Language [HTML] format in text version (<http://library.kcc.hawaii.edu/CTSA/publications/Swordtail.htm>). (Hard copy requests taken by email or fax while supplies last. See front page for contact information).
- CTSA #127. Haws, M. 2002. The Basic Methods of Pearl Farming: A Layman's Manual. (Hard copy requests taken by email or fax while supplies last. See front page for contact information).
- CTSA #126. College of Agriculture and Life Sciences, University of Guam. 1997. *Aquafarmer Information Sheet for Prevention of Black Gill Disease in Marine Shrimp*. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>)
- CTSA #125. Heslinga, G. 1996. *Clams to Cash: How to Make and Sell Giant Clam Shell Products*. with companion video. **{Free to those within the CTSA region. Other U.S. residents must remit US\$5 per book for shipping and handling [check or money order payable to The Oceanic Institute]. Foreign residents must remit US\$18 per book [check or money order payable to The Oceanic Institute].}** (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>)
- CTSA #124. University of Hawaii Sea Grant College Program. 1996. *Information Sheet: Gracilaria Gall Syndrome*. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications/gracilaria.pdf>)
- CTSA #123. University of Hawaii Sea Grant College Program. 1996. *Information Sheet: Tilapia*.
- CTSA #122. University of Hawaii Sea Grant College Program. 1996. *Information Sheet: Chinese Catfish*. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).
- CTSA #121. University of Hawaii Sea Grant College Program. 1996. *Information Sheet: Shrimp Diseases*. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).
- CTSA #120. University of Hawaii Sea Grant College Program. 1996. *Starting a Successful Aquaculture Sponge Farm*. **{Free to those within the CTSA region. Other U.S. residents must remit a shipping and handling charge of \$1.50 per book [check or money order payable to The Oceanic Institute]; foreign residents must remit a shipping and handling charge of \$5 per book [check or money order payable to The Oceanic Institute]}.** (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).
- CTSA #119. Itoga, S. and J. Brock. 1995. *Hawaii Aquaculture Module Expert System for Macintosh Computers*. (This software can be downloaded from <http://library.kcc.hawaii.edu/praise/hames/index.html>).
- CTSA #118. Itoga, S. and J. Brock. 1995. *Hawaii Aquaculture Module Expert System for Windows*. A hardcopy with diskette are available with a handling charge of \$10.00. (This software can be downloaded from <http://library.kcc.hawaii.edu/praise/hames/index.html>)
- CTSA #117. Brown, C. L. 1995. *Raising the Silver Arowana* (*Osteoglossum bicirrhosum*). (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>)
- CTSA #116. Brown, C. L., K. O. Hahn and D. E. Coleman. 1995. *A Bibliography of Specific Pathogen-Free Organisms*. (The Adobe Acrobat version of this document can be downloaded from (<http://library.kcc.hawaii.edu/CTSA/publications>))
- CTSA #115. Guenther, K. and D. E. Coleman. 1994. *Pacific Islands Gray Literature Project: A Bibliography*.
- CTSA #114. Leung, P.S., Y.C. Shang, K. Wanitprapha and X. Tian. 1993. *Production Economics of Giant Clam *Tridacna* species Culture Systems in the U.S. Affiliated Pacific Islands*.

- CTSA #113. Iversen, R. T. B. and C. L. Brown. 1993. *A Preliminary Business Opportunity Plan for Specific Pathogen-Free Shrimp Culture Facilities in Hawaii and Guam.*
- CTSA #112. Kuljis, A. M. and C. L. Brown. 1992. *A Market Study of Specific Pathogen-Free Shrimp.*
- CTSA #111. Brock, J. A., S. Itoga, Y. L., H. Fujii and D. E. Coleman. 1992. *Hawaii Aquaculture Module Expert System (for DOS).* (This software can be downloaded from <http://library.kcc.hawaii.edu/praise/hames/index.html>)
- CTSA #110. Shang, Y. C., P. S. Leung, J. Brown and C. Tisdell. 1992. *Test Marketing of Giant Clams as Seafood and as Aquarium Specimens in Selected Markets.*
- CTSA #109. Crawford, C. 1992. *A Review of U.S. Food and Drug Administration Requirements to Market Giant Clam Meat in the United States of America.*
- CTSA #108. Killelea-Almonte, P. ed. 1992. *The Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES): Proceedings of a Workshop Held for Those Involved in the Trade of Giant Clams.*
- CTSA #107. Shang, Y. C., C. Tisdell and P. S. Leung. 1991. *Report on a Market Survey of Giant Clam Products in Selected Countries.* (no longer available for distribution) (This publication can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications/pub107.pdf>)
- CTSA #106. Croft, R. A. 1991. *Recommendations for Establishing a Commercial Sponge Industry Within the Region.* (The Adobe Acrobat version of this document can be downloaded from (<http://library.kcc.hawaii.edu/CTSA/publications/pub106.pdf>) and in HTML (<http://library.kcc.hawaii.edu/CTSA/publications/pub106.htm>))
- CTSA #105. Nelson, S. G. and W. J. FitzGerald, Jr. 1990. *Development of Aquaculture in the Commonwealth of the Northern Mariana Islands: A Feasibility Study.* (only photocopies are available from CTSA for a one time charge of \$20.00).
- CTSA #104. Coleman, D. E. and R. L. Buettner. 1989. *Union List of Aquaculture Journals in Hawaii.* (no longer available for distribution)
- CTSA #103. University of Hawaii Social Science Research Institute. 1989. *Pacific Telecommunications Needs and Resources: An Assessment Survey of Hawaii-Based Research, Training and Extension Organizations.* (no longer available for distribution)
- CTSA #102. University of Hawaii Sea Grant Extension Service. 1991. *Aqua Pages: An Aquaculture Resource Manual for Hawaii and the American Affiliated Pacific Islands.* (no longer available for distribution)
- CTSA #101. Ziemann, D. A., G. Pruder and J-K. Wang. 1990. *Aquaculture Effluent Discharge Program: Year 1 Final Report.* (no longer available for distribution)

Giant Clam Mariculture Information Sheets

- Crawford, C. 1990. *Giant Clam Mariculture Information Sheet Number 1: Giant Clam Activities in the South Pacific.* (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).
- Crawford, C. 1991. *Giant Clam Mariculture Information Sheet Number 2: CITES Requirements for the Export of Giant Clams.* (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).
- Crawford, C. 1991. *Giant Clam Mariculture Information Sheet Number 3: U.S. Food and Drug Authority Ruling on Giant Clams.* (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>).

Extension Fact Sheets

- Olin, P. 1993. *Importing Live Organisms to Hawaii: Procedures and Permitting.* Fact Sheet No. 1. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>)
- Olin, P. 1994. *Abalone Culture in Hawaii: Importation, Quarantine and Seed Suppliers.* Fact Sheet No. 2. (The Adobe Acrobat version of this document can be downloaded from <http://library.kcc.hawaii.edu/CTSA/publications>)

Olin, P. 1994. *Abalone Culture in Hawaii: Haliotis fulgens and Haliotis diversicolor supertexta*. Fact Sheet No. 3.
[The Adobe Acrobat version of this document can be downloaded from http://library.kcc.hawaii.edu/CTSA/publications](http://library.kcc.hawaii.edu/CTSA/publications)

II. Journal Publications

Reprints of the following articles by CTSA project investigators, which are listed in alphabetical order by first author's last name, can be obtained directly from the author.

- Ako, H. and C. S. Tamaru. 1999. Are Feeds for Food fish Practical for Aquarium Fish? *International AquaFeed*. Issue 2: 30-36.
- Ako, H., C.S. Tamaru, L. Asano, B. Yuen and M. Yamamoto. 1999. Achieving Natural Coloration in Fish Under Culture. 1999. Proceedings of the 28th US-Japan Natural Resources Aquaculture Panel Joint Meeting on Spawning and Maturation of Aquaculture Species. November 10-12, 1999. Hawaii. USA UJNR Technical Report No. 28: 1-4.
- Bell, Tom A., D.V. Lightner and R.R. Williams. 1990. A promising new chemotherapeutant for use in the treatment of *Fusarium solani* infections in penaeid shrimp. *Journal of the World Aquaculture Society*. 21(2): 131-136.
- Bell, T.A. 1991. Overview of diseases and drug needs for major aquaculture species: shrimp. *Veterinary and Human Toxicology*. 33 (Supplement 1): 19-23.
- Brock, J.A., B. Poulos, R. Shimojo and R. Gose. 1999. Modification of the Tissue Preparation Steps to Reduce False Positive Reactions with the IHHNV Dot Blot Gene Probe. *V Simposio Centroamericano de Acuicultura*. 122-124.
- Brown, C. L. and D. E. Coleman. 1991. Testing and Development of an Efficient, Remote CD-ROM System. *CD-ROM Librarian*: 13-18.
- Brown, C.L., B. Cole, C. Farfan and C. Tamaru. (In review). Out-of-season spawning of the rainbow shark. *Epalzeorhynchus frenatus*.
- Hahn, K. O., C. L. Brown and G. D. Pruder. 1994. Standard Agricultural Practices for the Culture of Specific Pathogen-Free Organisms, and Their Application to Aquaculture. *Reviews in Fisheries Science*, 2(4): 315-330.
- Laidley, C. W. and P. Thomas. 1997. Changes in Plasma Sex Steroid-Binding Protein Levels Associated with Ovarian Recrudescence in the Spotted Seatrout (*Cynoscion nebulosus*). *Biology of Reproduction*. 56: 931-937.
- Lee, C-S. 1999. Some considerations for the sustainability of aquaculture development in the US-affiliated Pacific Islands. *Aquaculture Economics & Management*. 3(1): 71-82.
- Lee, C-S., K.L. Main and G.D. Pruder. 1999. Genetic Conservation in Stock Enhancement-Asia and America Prospects. *Bull. Natl. Res. Inst. Aquacult.*, Suppl. 1: 121-124.
- Mohney, L. L., D. V. Lightner, R. R. Williams and M. Bauerlein. 1990. Bioencapsulation of Therapeutic Quantities of the Antibacterial, Romet-30, in Nauplii of *Artemia* sp. and in the Nematode *Panagrellus redivivus*. *Journal of the World Aquaculture Society*. 21(3): 186-191.
- Mohney, L. L., T. A. Bell and D. V. Lightner. 1992. Shrimp antimicrobial testing I. *In vitro* susceptibility of thirteen Gram-negative bacteria to twelve antimicrobials. *Journal of Aquatic Animal Health*. 4:257-261.
- Nelson, Stephen G. and S. DeC. Wilkins. 1994. Growth and respiration of embryos and larvae of the rabbitfish *Siganus randalli* (Pisces, Siganidae). *Journal of Fish Biology*. 44: 513-525.
- Ogawa, T and C.L. Brown. (In review). *Ornamental Reef Fish Aquaculture and Collection in Hawaii*.
- Ostrowski, A.C. and C. Laidley. Application of marine foodfish techniques in marine ornamental aquaculture: Reproduction and larval first feeding. *Aquarium Sciences and Conservation* 3: 191-204.
- Ostrowski, A. C., T. Iwai, S. Monahan, S. Unger, D. Dagdagan, P. Murakawa, A. Schivell and C. Pigao. 1996. Nursery production technology for Pacific threadfin (*Polydactylus sexfilis*). *Aquaculture*. 139: 19-29.
- Schnick, R.A., W.H. Gingerich, B.R. Griffin and D. Erdahl. 2001. Progress of the Federal-State Aquaculture Drug Approval Partnership Project. *Fish Health Newsletter. Fish Health Section/American Fisheries Society. October 2001. Vol. 29 (4): 6-9*.

- Schnick, R.A. 2000. International harmonization of antimicrobial sensitivity determination for aquaculture drugs. *Aquaculture*. 196: 277-288.
- Schnick, R.A. 2000. Update on the Federal-State Aquaculture Drug Approval Partnership. *Aquaculture Magazine*. 26(3): 56-68.
- Schnick, R.A. 2000. Efficacy data needed for high priority aquaculture drugs. *American Fish. Soc. Fish Health Newsletter*. 28(2): 3.
- Schnick, R.A. 1999. Use of chemicals in fish management and fish culture. *In: D.J. Smith, W.H. Gingerich and M.G. Beconi-Barker (Eds.). Xenobiotics in Fish. Kluwer Academic/Plenum Publishers. pp. 1-14.*
- Schnick, R.A. and P. Smith. 1999. International Harmonisation of Antibacterial Agent Approvals and Susceptibility Testing. *Bull. Eur. Ass. Fish Pathol.* 19 (6): 294.
- Schnick, R. A. and R. D. Armstrong. 1997. Aquaculture drug approval progress in the United States. *Salmon Health Report*. January 1997. Section 6. pp 22-28.
- Schnick, R.A. 1997. International Regulatory Aspects of Chemical and Drug Residues. *In: R.E. Martin, R. L. Collette and J.W. Slavin (Eds.). Fish Inspection, Quality Control, and HACCP A Global Focus. Proceedings of a Conference held May 19-24, 1996. Arlington, Virginia. USA. pp. 187-195.*
- Schnick, R. A., W. H. Gingerich and K. H. Foltes. 1996. Federal-State aquaculture drug registration partnership: A success in the making. *Fisheries*. 21 (5):4.
- Szyper, J.A., K.D. Hopkins. W. Malchow and W.Y. Okamura. 2000. History and prospects of tilapia stocks in Hawaii, U.S.A. *In: Fitzsimmons, K. and J. Carvalho Filho (Eds.). Tilapia Culture in the 21st Century - Proceedings from the Fifth International Symposium on Tilapia aquaculture. Rio de Janeiro, Brazil. pp. 663-672.*
- Tamaru, C. and H. Ako. 1999. Using Commercial Feeds for the Culture of Freshwater Ornamental Fishes in Hawaii. Proceedings of the 28th US-Japan Natural Resources Aquaculture Panel Joint Meeting on Spawning and Maturation of Aquaculture Species. November 10-12, 1999. USA UJNR Technical Report No. 28: 109-119.
- Wang, J. K. 1990. Managing Shrimp Pond Water to Reduce Discharge Problems. *Aquacultural Engineering*. vol. 9, no. 1: 61-73.
- Williams, R. R. and D. V. Lightner. 1988. Regulatory Status of Therapeutants for Penaeid Shrimp Culture in the United States. *Journal of the World Aquaculture Society*, 19(4): 188-196.
- Williams, R. R., T. A. Bell and D.V. Lightner. 1992. Shrimp antimicrobial testing II. Toxicity testing and safety determination for twelve antimicrobials with penaeid shrimp larvae. *Journal of Aquatic Animal Health*, 4: 262-270.
- Ziemann, D. A., W. A. Walsh, E. G. Saphore and K. Fulton-Bennett. 1990. A Survey of Water Quality Characteristics of Effluent from Hawaiian Aquaculture Facilities. *Journal of the World Aquaculture Society*. 23 (3): 174-203.

III. Other Research Reports

The following research reports are listed in alphabetical order by first author. Copies of these reports can be obtained directly from the author.

- Ako, H., C.S. Tamaru, L. Asano, B. Yuen and M. Yamamoto. 2000. Achieving Natural Coloration in Fish Under Culture. UJNR Technical Report No. 28. pp. 1-4.
- Bailey, R., C. S. Tamaru, B. Cole, C. Brown. (In review). *Performance of an intensive culture module for commercial production of the swordtail, Xiphophorus helleri, in Hawaii.* Abstract submitted to World Aquaculture '97. February 19-23, 1997. Seattle, WA.
- Bass, P., E. Lee, C. D. Kelley. 1995. *the use of rotifers and Artemia nauplii as live feeds for Pacific threadfin.* *In: Aquaculture '95: Proceedings of the 1995 World Aquaculture Society meeting. February 1-4, 1995. San Diego, CA.*
- Bell, T. A. and D.V. Lightner. 1991. *Chemotherapy in Aquaculture Today—Current Practices in Shrimp Culture: Available Treatments and Their Efficacy.* *In: Michel, C. and Alderman, D. J., eds. Chemotherapy In Aquaculture: From Theory To Reality: Proceedings of the Symposium. March 1991. Paris, France.*

- Bell, T. A. 1992. *Drugs and Chemotherapeutants for Shrimp Diseases: Their Present Status in the United States, with an Overview of Research and Approval Processes*. In: Fulks, W. and K. L. Main (eds.). Diseases of Cultured Penaeid Shrimp in the United States and Asia: Proceedings of a Workshop Sponsored by the Asian Interchange Program. April 1992. Honolulu, HI: 311-324.
- Bell, T. A. 1992. *Principals of Shrimp Culture Chemotherapy*. In: Wyban, J. (ed.) Proceedings of the Special Session on Shrimp Farming at Aquaculture '92, Orlando, FL and Baton Rouge, Louisiana. May 1992. World Aquaculture Society, 1992: 227-237.
- Brock, J. A., R. Gose, D. V. Lightner and K. Hasson. 1995. *An Overview of Taura Syndrome, An Important Disease of Farmed Penaeus vannamei*. In: C.L. Browdy and J.S. Hopkins (eds.). Swimming Through Troubled Water: Proceedings of the Special Session on Shrimp Farming, Aquaculture '95. February 1995. World Aquaculture Society. Baton Rouge, Louisiana.
- Brock, J. A. (In press.) *Update on Recent Research Findings on Taura Syndrome of Farmed Penaeus vannamei*. In: Proceedings of the III Simposio Centroamericano Sobre Camaron Cultivado. April 3-5, 1995. Tegucigalpa, Honduras.
- Brock, J. A., D. V. Lightner, K. Hasson and R. Gose. 1996. *An Update on Taura Syndrome of Farmed Shrimp in the Americas*. In: Book of Abstracts, World Aquaculture Society '96. Bangkok, Thailand. p. 50.
- Cole, B., C. S. Tamaru, R. Bailey, C. Brown. (In review). *Effects of stocking density on growth and survival of the swordtail, Xiphophorus helleri*. Abstract submitted to World Aquaculture '97. February 19-23, 1997. Seattle, WA.
- Coleman, D. E., D. Hanfman and S. J. Tibbit, editors. 1991. *Interactions of Aquaculture, Marine Coastal Ecosystems and Near Shore Waters: A Bibliography*. Bibliography and Literature of Agriculture No. 105. National Agricultural Library. Beltsville, Maryland.
- Coleman, D. E. 1990. *Pacific Regional Aquaculture Information Service: Applied Technology and Development of a Long-Distance Information Service*. International Association of Marine Science Libraries and Information Centers Conference Series: At a Crossroads. Proceedings of the Fifteenth Annual Conference.
- Coleman, D. E. 1991. *Remote CD-ROM Searching and Satellite Communications: From Pie in the Sky to Application*. International Association of Marine Science Libraries and Information Centers Conference Series: Proceedings of the Seventeenth Annual Conference.
- Coleman, D. E. 1993. *Gray Literature Project of the Pacific Regional Aquaculture Information Service*. International Association of Marine Science Libraries and Information Centers Conference Series: Proceedings of the Nineteenth Annual Conference. Bethesda, MD.
- Gingerich, W. H. and R. A. Schnick. (In review). Federal-state aquaculture drug approval partnership program. In: Partnerships for aquaculture drug approvals: models for success. Abstract for special session at World Aquaculture '97. February 19-23, 1997. Seattle, WA.
- Kelley, C. D., P. Bass and K. Leber. 1995. *The production of Pacific threadfin for stock enhancement and aquaculture*. In: Aquaculture '95: Proceedings of the World Aquaculture Society meeting. February 1-4, 1995. San Diego, CA.
- Kelley, C. D., A. Moriwake, V. Nicol and G. Miyamoto. 1995. *The maturation and spawning of the Pacific threadfin*. In: Aquaculture '95: Proceedings of the World Aquaculture Society meeting. February 1-4, 1995. San Diego, CA.
- Klein, M. R. G. 1996. *An Epizootiological Study of Chinese Catfish, Clarias fuscus: Mortalities on Two Farms in Hawaii*. Master of Science Thesis in Animal Sciences. Submitted to the Graduate Division, University of Hawaii. 70 pp.
- Lindsay, S.R. 1991. *Survival and Growth of Introduced Populations of the Giant Clam, T. derasa, on the Island of Yap Proper and the Outer Atoll of Woleai, FSM*. Yap Marine Resources Division. Yap, Federated States of Micronesia.
- Montgomery-Brock, D. and J.A. Brock. 1999. Selecting products for water chemistry testing for your aquaculture operation. Center for Tropical and Subtropical Aquaculture. Regional Notes. Vol. 10. No. 4. (Summer). Pg. 4-6.

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IV. CTSA Serials

Current Regional Notes available for distribution.

CTSA Regional Notes, *quarterly newsletter*

Volume 13

- Number 1, March 2002
- Number 2,
- Number 3,
- Number 4,

Volume 12

- Number 1, Winter 2001.
- Number 2, Spring 2001.
- Number 3, Summer 2001.
- Number 4, Fall 2001

Volume 11

- Number 1, Fall 1999.
- Number 2, Winter 2000.
- Number 3, Spring 2000.
- Number 4, Summer 2000.

Volume 10

- Number 1, Fall 1998.
- Number 2, Winter 1999.
- Number 3, Spring 1999.
- Number 4, Summer 1999.

Volume 9

- Number 1, Fall 1997.
- Number 2, Winter 1998.
- Number 3, Spring 1998.
- Number 4, Summer 1998.

Project Updates. December 1997

(All December 1997 Project Updates can be downloaded from the CTSA Worldwide Web site at <http://library.kcc.hawaii.edu/CTSA/>)

This was the final issue of Project Updates.

Center for Tropical and Subtropical Aquaculture:
Program and Organization.

Development of Improved Growout Culture for Chinese Catfish Through Ploidy and Feed Applications.

Development of Pacific Threadfin and Milkfish Growout Technology and Production of Live Feeds and Seedstock.

Differential Growth Rate Studies in Cultured Commercial Sponges.

Disease Management for Hawaiian Aquaculture.

Diversification of Species for Aquaculture in Guam.

Expansion and Diversification of Freshwater Tropical Fish Culture.

Extension and Training Support for the U.S.-Affiliated Pacific Islands.

Library Aquaculture Workstation.

National Coordinator for Aquaculture New Animal Drug Applications.

Public Policy Impact on Aquaculture Development in Guam.