NOAA TECHNICAL MEMORANDUM
NMFS-SEFC-328

PUBLICATIONS AND REPORTS ON SEA TURTLE RESEARCH BY THE NMFS GALVESTON LABORATORY 1979 - 1992

BY

Charles W. Caillouet, Jr.

U.S. DEPARTMENT OF COMMERCE
Ronald H. Brown, Secretary

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
D. James Baker, Administrator

NATIONAL MARINE FISHERIES SERVICE
Nancy A. Foster, Acting Administrator for Fisheries

JULY 1993

This Technical Memorandum series is used for documentation and timely communication of preliminary results, interim reports, or similar special-purpose information. Although the memoranda are not subject to complete formal review, editorial control, or detailed editing, they are expected to reflect sound professional work.

INTRODUCTION

The National Marine Fisheries Service (NMFS), Southeast Fisheries Science Center (SEFSC), Galveston Laboratory's sea turtle research was initiated in 1978 with experimental head starting of Kemp's ridley sea turtles, Lepidochelys kempi (Klima and McVey 1982). As head starting has continued, the laboratory has expanded its sea turtle research to include a wide variety of additional topics.

This bibliography updates the previously published bibliography of publications and reports on sea turtles by NMFS Galveston Laboratory personnel (Caillouet, 1991). It also provides information concerning how copies or reprints might be obtained. For example, NOAA Technical Memoranda in the bibliography can be obtained from the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161 (refer to the accession number when ordering copies). The citations are grouped by general topic.

CONSERVATION AND MANAGEMENT

Caillouet, C. W., Jr. 1984. Essai de prevention de l'extinction de la Tortue de Kemp. Les Carnets de Zoologie (Bull. Zool. Soc. Quebec) 44(2):28-34. No reprints available.

Caillouet, C. W., Jr. 1986. Aren't sea turtles excellent fishes? Letters to the Editor, Fisheries 11(1):65. No reprints available.

Caillouet, C. W., Jr. 1990. Guest editorial: sea turtle conservation and management, the need for a unit stock approach. Marine Turtle Newsletter No. 49, p. 3-4. No reprints available.

Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors). 1989. Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management. Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

DISEASES, PROPHYLAXIS AND THERAPY

Clary, J. C., III. and J. K. Leong. 1984. Disease studies aid Kemp's ridley sea turtle head start research. Herpetological Review 15(3):69-70. No reprints available.

Fontaine, C. T., K. W. Indelicato and J. P. Flanagan. 1990. A congenital lung disorder in a juvenile head started Kemp's ridley sea turtle, Lepidochelys kempi. Herpetological Review 21(4):80-81. Available from senior author.

Leong, J. K. 1979. Hatchling diseases in Atlantic ridley turtle (Lepidochelys kempi) and loggerhead turtle (Caretta caretta) in the Galveston Laboratory, National Marine Fisheries Service (Abstract). American Zoologist 19:659. No reprints available.

Leong, J. K., D. L. Smith, D. B. Revera, J. C. Clary III, D. H. Lewis, J. L. Scott and A. R. DiNuzzo. 1989. Health care and diseases of captive-reared loggerhead and Kemp's ridley sea turtles, p. 177-200. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Leong, J. K., R. S. Wheeler and L. M. Lansford. 1980. Tolerance and responses of normal and diseased loggerhead turtles (Caretta caretta) to some chemotherapeutics. Proceedings of the World Mariculture Society 11:291-302. No reprints available.

McLellan, G. L. and J. K. Leong. 1981. A radiological method for examination of the gastrointestinal tract in the Atlantic ridley, Lepidochelys kempi, and loggerhead, Caretta caretta, marine turtles. U.S. Fishery Bulletin 78:965-968. No reprints available.

McLellan, G. L. and J. K. Leong. 1982. Radiologic evaluation of the differential absorption of diatrizoate in marine turtles. NOAA Technical Memorandum NMFS-SEFC-93, 15 p. Available from NTIS (Accession No. PB83138255/LP).

ECOLOGY

Plotkin, P. 1989. Feeding ecology of the loggerhead sea

turtle in the northwestern Gulf of Mexico, p. 139-141. In: Eckert, S. A., K. L. Eckert and T. H. Richardson (Compilers), Proceedings of the Ninth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-232, 305 p. Proceedings available from NTIS (Accession No. PB90174384).

Thompson, N., T. Henwood, S. Epperly, R. Lohoefener, G. Gitschlag, L. Ogren, J. Mysing and M. Renaud. 1990. Marine turtle habitat plan. NOAA Technical Memorandum NMFS-SEFC-255, 20 p. Available from NTIS (Accession No. PB90272113).

HEAD START

Caillouet, C. W., Jr. 1987. Report on efforts to prevent extinction of Kemp's ridley sea turtle through head starting. NOAA Technical Memorandum NMFS-SEFC-188, i plus 20 p. Available from NTIS (Accession No. PB87180774/AS).

Caillouet, C. W., Jr., C. T. Fontaine and E. F. Klima. In press. Accomplishments in Kemp's ridley sea turtle head starting. **In:** Proceedings of the Twelfth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-In press. Proceedings will be available from NTIS.

Caillouet, C. W., Jr., C. T. Fontaine, S. A. Manzella, T. D. Williams and D. B. Revera. 1986. Scutes reserved for living tags. Marine Turtle Newsletter No. 36, p. 5-6. No reprints available.

Caillouet, C. W., Jr., C. T. Fontaine, T. D. Williams, S. A. Manzella, K. L. W. Indelicato, M. J. Duronslet, D. B. Revera, A. M. Landry, Jr. and P. J. Howes. 1987. The Kemp's ridley sea turtle head start research project: an annual report for fiscal year 1986. NOAA Technical Memorandum NMFS-SEFC-192, i plus 28 p., 24 Tables and 1 Appendix. Available from NTIS (Accession No. PB87194395).

Caillouet, C. W., Jr., C. T. Fontaine, T. D. Williams, S. A. Manzella, A. M. Landry, Jr., K. L. Indelicato, M. J. Duronslet and D. B. Revera. 1988. Can we save Kemp's ridley sea turtle? Believe it or not! p. 20-43. In: Peterson, K. H. (Editor), 10th International Herpetological Symposium on Captive Propagation and Husbandry, Zoological Consortium Inc., Thurmont, MD, 206 p. No reprints available.

Caillouet, C. W., Jr., C. T. Fontaine, T. D. Williams, S. A.

Manzella, D. B. Revera, D. B. Koi, K. L. W. Indelicato, M. G. Tyree, J. K. Leong, M. J. Duronslet and K. T. Marvin. 1986. The Kemp's ridley sea turtle head start research project: an annual report for fiscal year 1985. NOAA Technical Memorandum NMFS-SEFC-174, ii plus 37 p., 29 Tables, 1 Figure and 5 Appendices. Available from NTIS (Accession No. PB87217569).

Caillouet, C. W., Jr. and D. B. Koi. 1985. Patterns and variability in first-year growth in weight of captive-reared Kemp's ridley sea turtle: a graphical analysis. NOAA Technical Memorandum NMFS-SEFC-164, i plus 4 p. and 52 figures. Available from NTIS (Accession No. PB86105178).

Caillouet, C. W., Jr., D. B. Koi, C. T. Fontaine, T. D. Williams, W. J. Browning and R. M. Harris. 1986. Growth and survival of Kemp's ridley sea turtle, Lepidochelys kempi, in captivity. NOAA Technical Memorandum NMFS-SEFC-186, iii plus 34 p., 12 Tables and 7 Figures. Available from NTIS (Accession No. PB87157350/AS).

Caillouet, C. W., Jr., S. A. Manzella, C. T. Fontaine, T. D. Williams, M. G. Tyree and D. B. Koi. 1989. Feeding, growth rate and survival of the 1984 year-class of Kemp's ridley sea turtles (Lepidochelys kempi) reared in captivity, p. 165-177. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Caillouet C. W., Jr. and D. B. Revera. 1985. Brood stock of captive-reared Kemp's ridley to be listed in the International Species Inventory system. Marine Turtle Newsletter No. 34, p. 3-6. No reprints available.

Caillouet, C. W., Jr., D. B. Revera, M. J. Duronslet and J. Brucks. 1989. Dermatoglyphic patterns on Kemp's ridley sea turtle flippers: can they be used to identify individuals?, p. 146-150. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors). Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management. Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Clary, J. C., III. and J. K. Leong. 1984. Disease studies aid Kemp's ridley sea turtle head start research. Herpetological Review 15(3):69-70. No reprints available.

Duronslet, M. J., C. W. Caillouet, Jr., C. T. Fontaine, D. B. Revera, T. D. Williams, J. A. Williams, S. A. Manzella, A. M. Landry, Jr. and E. K. Stabenau. 1989. Kemp's ridley head start and sea turtle research at the Galveston Laboratory: annual report-fiscal year 1988. NOAA Technical Memorandum NMFS-SEFS-223, iii plus 40 p. and 19 Tables. Available from NTIS (Accession No. PB90103920/AS).

Fontaine, C. T. and C. W. Caillouet, Jr. 1985. The Kemp's ridley sea turtle head start research project: an annual report for fiscal year 1984. NOAA Technical Memorandum NMFS-SEFC-152, ii plus 13 p. and 3 Tables. Available from NTIS (Accession No. PB85194686).

Fontaine, C. T., M. J. Duronslet, D. B. Revera, T. D. Williams, J. A. Williams, S. A. Manzella, E. K. Stabenau, A. M. Landry, Jr. and C. W. Caillouet, Jr. 1990. Kemp's ridley head start experiment and other sea turtle research at the Galveston Laboratory: annual report - fiscal year 1989. NOAA Technical Memorandum NMFS-SEFC-266, iv plus 28 p., 23 Tables and 5 Figures. Available from senior author and NTIS (Accession No. PB91106971).

Fontaine, C. T., K. W. Indelicato and J. P. Flanagan. 1990. A congenital lung disorder in a juvenile head started Kemp's ridley sea turtle, Lepidochelys kempi. Herpetological Review 21(4):80-81. Available from senior author.

Fontaine, C., J. Leong, and C. Caillouet. 1983. Head starting Kemp's ridleys, 1982, p. 22-29. In: Owens, D., D. Crowell, G. Dienberg, M. Grassman, S. McCain, Y. Morris, N. Schwantes and T. Wibbels (Editors). Western Gulf of Mexico Sea Turtle Workshop Proceedings, Texas A&M University, Sea Grant College Program, TAMU-SG-84-105, 74 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Fontaine, C. T., S. A. Manzella, T. D. Williams, R. M. Harris and W. J. Browning. 1989. Distribution, growth and survival of head started, tagged and released Kemp's ridley sea turtles (Lepidochelys kempi) from year-classes 1978-1983, p. 124-144. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Fontaine, C. T., K. T. Marvin, T. D. Williams, W. J. Browning, R. M. Harris, K. L. W. Indelicato, G. A. Shattuck and R. A. Sadler. 1985. The husbandry of hatchling to

yearling Kemp's ridley sea turtles (Lepidochelys kempi). NOAA Technical Memorandum NMFS-SEFC-158, iv plus 34 p., 10 Tables, 22 Figures and 2 Appendices. Available from NTIS (Accession No. PB85241966).

Fontaine, C. T., T. D. Williams and C. W. Caillouet, Jr. 1988. Scutes reserved for living tags: an update. Marine Turtle Newsletter No. 43, p. 8-9. No reprints available.

Fontaine, C. T., T. D. Williams and J. D. Camper. 1987. Head Started Kemp's ridleys tagged with the passive integrated transponder (PIT). Marine Turtle Newsletter. No. 41, p. 6. No reprints available.

Fontaine, C. T., T. D. Williams, S. A. Manzella and C. W. Caillouet, Jr. 1989. Kemp's ridley sea turtle head start operations of the NMFS SEFC Galveston Laboratory, p. 96-110. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Fontaine, C. T., T. D. Williams and D. B. Revera. 1988. Care and maintenance standards for kemp's ridley sea turtles (Lepidochelys kempi) held in captivity. NOAA Technical Memorandum NMFS-SEFC-202, ii plus 17 p. Available from NTIS (Accession No. PB88222013/AS).

Grassman, M. A., D. W. Owens, J. P. McVey and R. Marquez M. 1984. Olfactory-based orientation in artificially imprinted sea turtles. Science 224:83-84. Available from senior author.

Klima, E. F. and J. P. McVey. 1982. Headstarting the Kemp's ridley turtle, Lepidochelys kempi, p. 481-487. In: Bjorndal, K. A. (Editor), Biology and Conservation of Sea Turtles Smithsonian Institution Press, Washington, D. C., 538 p. No reprints available.

Leong, J. K., D. L. Smith, D. B. Revera, J. C. Clary III, D. H. Lewis, J. L. Scott and A. R. DiNuzzo. 1989. Health care and diseases of captive-reared loggerhead and Kemp's ridley sea turtles, p. 177-200. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Malone, R. and M. Guarisso. 1988. Waste characterization study for the Kemp's ridley sea turtle. NOAA Technical Memorandum NMFS-SEFC-200, iv plus 38 p. Available from NTIS (Accession No. PB88205463/AS).

Manzella, S. A. 1988. PIT tag central data registry. Marine Turtle Newsletter No. 43, p. 7-8. No reprints available.

Manzella, S., K. Bjorndal and C. Lagueux. 1991. Head-started Kemp's ridley recaptured in Caribbean. Marine Turtle Newsletter 54:13-14. No reprints available.

Manzella, S. A., C. W. Caillouet and C. T. Fontaine. 1988. Kemp's ridley, Lepidochelys kempi, sea turtle head start tag recoveries: distribution, habitat and method of recovery. Marine Fisheries Review 50(3):24-32. Available from senior author.

Manzella, S. A., C. W. Caillouet, Jr., C. T. Fontaine, T. D. Williams, K. L. W. Indelicato, M. J. Duronslet, D. B. Revera, A. M. Landry, Jr. and E. K. Stabenau. 1988. Kemp's ridley head start and sea turtle research at the Galveston Laboratory: annual report - fiscal year 1987. NOAA Technical Memorandum NMFS-SEFC-201, 28 p. plus 20 Tables and 1 Appendix. Available from NTIS Accession No. PB88179858/AS).

Manzella, S. A. and J. A. Williams. 1992. Kemp's ridley (Lepidochelys kempi) distribution in Texas: an atlas, p. 164-167. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Manzella, S. A. and J. A. Williams. 1992. The distribution of Kemp's ridley sea turtles (Lepidochelys kempi) along the Texas coast: an atlas. NOAA Technical Report NMFS 110, 52 p. Available from senior author.

Manzella, S., J. Williams, B. Schroeder and W. Teas. 1991. Juvenile head started Kemp's ridleys found in floating grass mats. Marine Turtle Newsletter No. 52, p. 5-6. No reprints available.

McVey, J. P. and T. Wibbels. 1984. The growth and movements of captive-reared Kemp's ridley sea turtles, Lepidochelys kempi, following their release in the Gulf of Mexico. NOAA Technical Memorandum NMFS-SEFC-145, 25 p., 3 Figures and 3 Tables. Available from NTIS (Accession No. PB85116390).

Shaver, D. J., D. W. Owens, A. H. Chaney, C. W. Caillouet, Jr., P. Burchfield and R. Marquez M. 1988. Styrofoam box

and beach temperatures in relation to incubation and sex ratios of Kemp's ridley sea turtles, p. 103-108. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Stabenau, E. K. 1988. Swimming speed and stamina in headstarted Kemp's ridley sea turtles (Lepidochelys kempi). MS Thesis, Texas A&M University, 95 p. and 7 Appendices. Available through interlibrary loan, Texas A&M University, College Station, Texas 77843.

Stabenau, E. K., M. King, A. M. Landry and C. W. Caillouet. 1988. Swimming performance of head started Kemp's ridley sea turtles, p. 113-117. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Stabenau, E. K., A. M. Landry and C. W. Caillouet. 1992. Swimming performance of captive reared Kemp's ridley sea turtles, Lepidochelys kempi (Garman). Journal of Experimental Marine Biology and Ecology 161:213-222. Available from senior author.

Wibbels, T. A. 1984. Orientation characteristics of immature Kemp's ridley sea turtles, Lepidochelys kempi. NOAA Technical Memorandum NMFS-SEFC-131, iv plus 67 p. Available from NTIS (Accession No. PB84220409).

Williams, J. A., S. A. Manzella, C. T. Fontaine, T. D. Williams and C. W. Caillouet, Jr. 1992. Progress and results of head starting Kemp's ridley, p. 191. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

IMPACTS AT SEA

Caillouet, C. W., Jr., M. J. Duronslet, A. M. Landry, Jr., D. B. Revera, D. J. Shaver, K. M. Stanley, R. W. Heinly and E. K. Stabenau. 1991. Sea turtle strandings and shrimp fishing effort in the northwestern Gulf of Mexico, 1986-89. Fishery Bulletin, U.S. 89:712-718. Available from senior author.

Caillouet, C. W., Jr., M. J. Duronslet, A. M. Landry, Jr. and D. J. Shaver. 1992. Sea turtle strandings and shrimping effort on coasts of southwestern Louisiana and Texas, p. 24-27. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Gitschlag, G. R. 1990. Sea turtle monitoring at offshore oil and gas platforms, p. 233. In: Richardson, T. H., J. I. Richardson and M. Donnelly (Compilers), Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-278, 286 p. Proceedings will be available from NTIS.

Gitschlag, G. R. 1992. Offshore oil and gas structures as sea turtle habitat, p. 49. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Gitschlag, G. and M. Renaud. 1989. Sea turtles and the explosive removal of offshore oil and gas structures, p. 67-68. In: Eckert, S. A., K. L. Eckert and T. H. Richardson (Compilers), Proceedings of the Ninth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-232, 305 p. Proceedings available from NTIS (Accession No. PB90174384).

Heinly, R. W., E. K. Stabenau, A. M. Landry and M. Duronslet. 1988. Mutilation of stranded sea turtles along the Texas Coast, p. 33-34. In: Schroeder, B. A. (Compiler), Proceedings of the Eight Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Klima, E. F., G. Gitschlag and M. Renaud. 1992. Evaluation of commercial use of turtle excluder devices (TEDs) in the Gulf of Mexico and south Atlantic, p. 68. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Klima, E., M. Renaud and G. Gitschlag. 1989. Evaluation of commercial use of TEDs, p. 81. In: Eckert, S. A., K. L. Eckert and T. H. Richardson (Compilers), Proceedings of the Ninth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-232, 305 p. Proceedings available from NTIS (Accession No. PB90174384).

Klima, E. F., G. R. Gitschlag and M. L. Renaud. 1988. Impacts of explosive removal of offshore petroleum platforms on turtles and dolphins. Marine Fisheries Review 50(3):33-42. Available from junior authors.

Plotkin, P. and A. F. Amos. 1988. Entanglement in and ingestion of marine debris by sea turtles stranded along the south Texas Coast, p. 79-82. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Renaud, M., G. Gitschlag, E. Klima, A. Shah, D. Koi and J. Nance. 1991. Evaluation of the impacts of turtle excluder devices (TEDs) on shrimp catch rates in coastal waters of the United States along the Gulf of Mexico and Atlantic, September 1989 through August 1990. NOAA Technical Memorandum NMFS-SEFC-288, 80 p. Available from NTIS (Accession No. PB92-116433).

Renaud, M., G. Gitschlag, E. Klima, A. Shah, D. Koi and J. Nance. In press. Loss of shrimp by turtle excluder devices (TEDs) in coastal waters of the United States from North Carolina through Texas: March 1988 through August 1990. Fishery Bulletin, U.S. 91(1):In press.

Renaud, M., G. Gitschlag, E. Klima, A. Shah, J. Nance, C. Caillouet, Z. Zein-Eldin, D. Koi and F. Patella. 1990. Evaluation of the impacts of turtle excluder devices (TEDs) on shrimp catch rates in the Gulf of Mexico and South Atlantic, March 1988 through July 1989. NOAA Technical Memorandum NMFS-SEFC-254, vi plus 165 p. Available from NTIS (Accession No. PB90267238/AS).

Stabenau, E. K. and T. A. Heming. 1989. Trawl stress in Kemp's ridley sea turtles. American Zoologist 29, 139A (Abstract). No reprints available.

Stabenau, E. K., T. A. Heming and J. F. Mitchell. 1991. Respiratory, acid-base, and ionic status of Kemp's ridley sea turtles (Lepidochelys kempi) subjected to trawling. Comparative Biochemistry and Physiology, A 99(1/2):107-111. Available from senior author.

Stanley, K. M., E. K. Stabenau and A. M. Landry. 1988. Debris ingestion by sea turtles along the Texas coast, p. 119-121. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

MISCELLANEOUS

Fontaine, C. T., J. A. Williams and C. W. Caillouet, Jr. 1990. General information about sea turtle research at the NMFS Galveston Laboratory. NOAA Technical Memorandum NMFS-SEFC-259, 9 p. Available from senior author.

Rostal, D. C., J. A. Williams and P. J. Weldon. 1991. Rathke's gland secretion by loggerhead (Caretta caretta) and Kemp's ridley (Lepidochelys kempi) sea turtles. Copeia 1991(4):1129-1132.

Weldon, P. J. and J. A. Williams. 1988. Rathke's glands: pattern of secretion discharge and tests of antipredator activity (Abstract). American Zoologist 28(4):162A. Available from senior author.

PHYSIOLOGY

Stabenau, E. K. and T. A. Heming. 1989. Trawl stress in Kemp's ridley sea turtles. American Zoologist 29, 139A (Abstract). No reprints available.

Stabenau, E. K. and T. A. Heming. In press. Determination of the constants of the Henderson-Hasselbalch equation, αco_2 and pK_a, in sea turtle plasma. Journal of Experimental Biology. In press.

Stabenau, E. K., T. A. Heming and J. F. Mitchell. 1991. Respiratory, acid-base, and ionic status of Kemp's ridley sea turtles (Lepidochelys kempi) subjected to trawling. Comparative Biochemistry and Physiology, A 99(1/2):107-111. Available from senior author.

Stabenau, E. K., C. G. Vanoye and T. A. Heming. 1990. HCO_3^-/Cl^- exchange in Kemp's ridley sea turtle erythrocytes. The Physiologist 33(4): A-63 (Abstract No. 42.17). No reprints available.

Stabenau, E. K., C. G. Vanoye and T. A. Heming. 1991. Characteristics of the anion transport system in sea turtle erythrocytes. American Journal of Physiology (Regulatory Integrative Comparative Physiology 30) 261:R1218-R1225. Available from senior author.

Caillouet, C. W., Jr., M. J. Duronslet, A. M. Landry, Jr., D. B. Revera, D. J. Shaver, K. M. Stanley, R. W. Heinly and E. K. Stabenau. 1991. Sea turtle strandings and shrimp fishing effort in the northwestern Gulf of Mexico, 1986-89. Fishery Bulletin, U.S. 89:712-718. Available from senior author.

Caillouet, C. W., Jr., M. J. Duronslet, A. M. Landry, Jr. and D. J. Shaver. 1992. Sea turtle strandings and shrimping effort on coasts of southwestern Louisiana and Texas, p. 24-27. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Caillouet, C. W., Jr., M. J. Duronslet, A. M. Landry, Jr. and E. K. Stabenau. 1988. Stockpiling sea turtle carcasses. Marine Turtle Newsletter No. 42, p. 11-12. No reprints available.

Duronslet, M. J., D. B. Revera and K. M. Stanley. 1991. Man-made marine debris and sea turtle strandings on beaches of the upper Texas and southwestern Louisiana coasts, June 1987 through September 1989. NOAA Technical Memorandum NMFS-SEFC-279, 47 p. Available from NTIS (Accession No. PB92-101732).

Fontaine, C. T., T. D. Williams and C. Turner. 1988. Hatchling Kemp's ridley strands at Galveston Island, Texas. Marine Turtle Newsletter No. 43, p. 8-9. No reprints available.

Heinly, R. W., E. K. Stabenau, A. M. Landry and M. Duronslet. 1988. Mutilation of stranded sea turtles along the Texas Coast, p. 33-34. In: Schroeder, B. A. (Compiler), Proceedings of the Eight Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Plotkin, P. and A. F. Amos. 1988. Entanglement in and ingestion of marine debris by sea turtles stranded along the south Texas Coast, p. 79-82. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

Stanley, K. M., E. K. Stabenau and A. M. Landry. 1988. Debris

ingestion by sea turtles along the Texas coast, p. 119-121. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).

TAGGING, TRACKING AND DISTRIBUTION

Caillouet, C. W., Jr., C. T. Fontaine, S. A. Manzella, T. D. Williams and D. B. Revera. 1986. Scutes reserved for living tags. Marine Turtle Newsletter No. 36, p. 5-6. No reprints available.

Caillouet, C. W., Jr., D. B. Revera, M. J. Duronslet and J. Brucks. 1989. Dermatoglyphic patterns on Kemp's ridley sea turtle flippers: can they be used to identify individuals?, p. 146-150. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors). Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management. Texas A&M University, Sea Grant College Program, TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Fontaine, C. T., S. A. Manzella, T. D. Williams, R. M. Harris and W. J. Browning. 1989. Distribution, growth and survival of head started, tagged and released Kemp's ridley sea turtles (Lepidochelys kempi) from year-classes 1978-1983, p. 124-144. In: Caillouet, C. W., Jr. and A. M. Landry, Jr. (Editors), Proceedings of the First International Symposium on Kemp's Ridley Sea Turtle Biology, Conservation and Management, Texas A&M University, Sea Grant College Program TAMU-SG-89-105, vi plus 260 p. Proceedings available from Texas A&M University, Sea Grant College Program, P. O. Box 1675, Galveston, Texas 77553-1675.

Fontaine, C. T., T. D. Williams and C. W. Caillouet, Jr. 1988. Scutes reserved for living tags: an update. Marine Turtle Newsletter No. 43, p. 8-9. No reprints available.

Fontaine, C. T., T. D. Williams and J. D. Camper. 1987. Head Started Kemp's ridleys tagged with the passive integrated transponder (PIT). Marine Turtle Newsletter. No. 41, p. 6. No reprints available.

Gitschlag, G. **In press.** Kemp's ridley movements off the Georgia-Florida coast: a telemetry study. **In:** Proceedings of the Twelfth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-In press.

Proceedings will be available from NTIS.

Manzella, S. A. 1988. PIT tag central data registry. Marine Turtle Newsletter No. 43, p. 7-8. No reprints available.

Manzella, S., K. Bjorndal and C. Lagueux. 1991. Head-started Kemp's ridley recaptured in Caribbean. Marine Turtle Newsletter 54:13-14. No reprints available.

Manzella, S. A., C. W. Caillouet and C. T. Fontaine. 1988. Kemp's ridley, Lepidochelys kempi, sea turtle head start tag recoveries: distribution, habitat and method of recovery. Marine Fisheries Review 50(3):24-32. Available from senior author.

Manzella, S. A., C. T. Fontaine and B. A. Schroeder. 1988. Loggerhead sea turtle travels from Padre Island, Texas to the mouth of the Adriatic Sea. Marine Turtle Newsletter No. 42, p.7. No reprints available.

Manzella, S. A. and J. A. Williams. 1992. Kemp's ridley (Lepidochelys kempi) distribution in Texas: an atlas, p. 164-167. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Manzella, S. A. and J. A. Williams. 1992. The distribution of Kemp's ridley sea turtles (Lepidochelys kempi) along the Texas coast: an atlas. NOAA Technical Report NMFS 110, 52 p. Available from senior author.

Manzella, S. A., J. A. Williams and C. W. Caillouet, Jr. 1990. Radio and sonic tracking of juvenile sea turtles in inshore waters of Louisiana and Texas, p. 115-120. In: Richardson, T. H., J. I. Richardson and M. Donnelly (Compilers), Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-278, 286 p. Proceedings will be available from.

Manzella, S., J. Williams, B. Schroeder and W. Teas. 1991. Juvenile head started Kemp's ridleys found in floating grass mats. Marine Turtle Newsletter No. 52, p. 5-6. No reprints available.

McVey, J. P. and T. Wibbels. 1984. The growth and movements of captive-reared Kemp's ridley sea turtles, Lepidochelys kempi, following their release in the Gulf of Mexico. NOAA Technical Memorandum NMFS-SEFC-145, 25 p., 3 Figures and 3 Tables. Available from NTIS (Accession No. PB85116390).

Renaud, M. L. 1990. Sea turtles and satellite tags:

movements and dive patterns, p. 121. In: Richardson, T. H., J. I. Richardson and M. Donnelly (Compilers), Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-278, 286 p. Proceedings will be available from NTIS.

Renaud, M. L. In press. Movements and submergence patterns of loggerhead turtles (Caretta caretta) in the Gulf of Mexico determined through satellite telemetry. Bulletin of Marine Science. In press.

Renaud, M. and G. Gitschlag. 1992. Tracking of seven sea turtles by satellite telemetry, p. 100. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Renaud, M. L., G. R. Gitschlag and J. K. Hale. In press. Retention of imitation satellite transmitters fiberglassed to the carapace of sea turtles. Herpetological Review. In press.

Williams, J. A. and S. A. Manzella. 1990. Sea turtle sighting signs on the Texas Gulf coast, p. 277. In: Richardson, T. H., J. I. Richardson and M. Donnelly (Compilers), Proceedings of the Tenth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-278, 286 p. Proceedings will be available from NTIS.

Williams, J. A. and S. A. Manzella. 1992. Sea turtle sightings at passes on the Texas gulf coast, p. 188. In: Salmon, M. and J. Wyneken (Compilers), Proceedings of the Eleventh Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFSC-302, 195 p. Proceedings will be available from NTIS.

Williams, J. A., S. A. Manzella and J. Tidwell. In press. Radio and sonic tracking of sea turtles in south Texas. In: Schroeder, B. and B. Witherington (Compilers), Proceedings of the Thirteenth Annual Workshop on Sea Turtle Biology and Conservation, NOAA Technical Memorandum NMFS-SEFC-In press. Proceedings will be available from NTIS.

TEMPERATURE-SEX DETERMINATION

Caillouet, C. W., Jr. and M. J. Duronslet. 1985. Guest editorial - sea turtle sex ratios and incubation

temperature: are we on the right track?. Marine Turtle Newsletter No. 35, p. 14-16. No reprints available.

Demas, S., M. Duronslet, S. Wachtel, C. Caillouet and D. Nakamura. 1990. Sex-specific DNA in reptiles with temperature sex determination. The Journal of Experimental Zoology 253:319-324. Available from S. Wachtel, Division of Reproductive Genetics, Departments of Obstetrics and Gynecology, University of Tennessee, Memphis, TN 38105.

Duronslet, M., D. Nakamura, C. W. Caillouet and S. Demas. 1989. Sex identification in young Kemp's ridley sea turtles. Marine Turtle Newsletter No. 47, p. 2-3. No reprints available.

Shaver, D. J., D. W. Owens, A. H. Chaney, C. W. Caillouet, Jr., P. Burchfield and R. Marquez M. 1988. Styrofoam box and beach temperatures in relation to incubation and sex ratios of Kemp's ridley sea turtles, p. 103-108. In: Schroeder, B. A. (Compiler), Proceedings of the Eighth Annual Workshop on Sea Turtle Conservation and Biology, NOAA Technical Memorandum NMFS-SEFC-214, 136 p. Proceedings available from NTIS (Accession No. PB89163083).