



Scientific Services On A Global Basis

TDI-Brooks International, Inc.

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ROGER R. FAY
Field Operations Manager
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EDUCATION

Texas A&M University, College Station, TX, Doctor of Philosophy,
Biological Oceanography, 1973

Texas Christian University, Fort Worth, TX, Master of Science, Biology,
1971

Texas Christian University, Fort Worth, TX, Bachelor of Science, Biology,
1968

PROFESSIONAL EXPERIENCE

TDI-Brooks International, Inc., College Station, TX, Field Operations
Manager, 1999-Present

McLaren/ Hart, Inc., Lake Charles, LA, Office Manager, 1998-1999

Bryan and College Station Independent School Districts, Bryan and College
Station, TX, Teacher, 1997-1998

Geochemical and Environmental Research Group (GERG), College Station,
TX, Associate Director, 1992 – 1997

Geochemical and Environmental Research Group (GERG), College Station,
TX, Manager of Field Operations, 1986 – 1992

Texas A&M University-Department of Oceanography, College Station, TX,
Assistant Research Scientist, 1981-1986

WWJ, Inc. Applied Research Marine & Earth Sciences, President, 1981 –
1998

TerEco Corporation, College Station, TX, Oceanographer, 1976-1981

Dames & Moore, Cranford, NJ, Oceanographer, 1974-1976



SELECTED PROFESSIONAL ACTIVITIES/AWARDS

Commercial, Instrument rated pilot (single engine, land), 2000 + hours and own an airplane which is used primarily in my business.
Commercial Driving License (semi's, double and triple trailers, passengers)
NAUI diver certification (since 1969)
Training certificate from Texas Engineering Extension Service, Construction Equipment Training Division, in Rigging and Crane Operations
Boy Scouts of America - Life Guard
American Red Cross Basic First Aid and CPR (current)
Society of the Sigma Xi
Sigma Gamma Epsilon
Antarctic Service Medal
American Men and Women of Science
Aircraft Owners & Pilots Association

SECLECTED PUBLICATIONS

1998 Invited instructor for four lectures on Risk Assessment in Dredging, Environmental Site Assessments, Regulations and Control, Effects of Contaminants on Shrimp Farming at the Fundacion CENAIM/ESPOL training course/workshop January 8-14, 1998, Guayaquil and San Pedro, Ecuador.

1997 Why Estuarine Monitoring for Ecuador, or Why Not. Presented at Fourth Ecuadorian Congress on Aquaculture, October 22-27, 1997, Guayaquil Ecuador. (Roger R. Fay, Javier Alcala-Herrera, Terry L. Wade, Ken W. Fucik)

1997 d13C in C-3 and C4 Cyperaceae from the State of Guerrero, Southwestern Mexico, submitted to Canadian Journal of Botany. (Alcalá-Herrera, J.A. Diego-Pérez, N, Machain Castillo, M.L., Fay, R.)

1995 Mangroves and Shrimp Farms - A study of Compatible Uses of the Coastal Zone in Esmeraldas Province, Ecuador. AMCHAM NEWS, Publicada por la Camara Ecuatoriano American de Comercio, Guayaquil, Novembre Diciembre, pp 38-39.

1995 Invited presentation to the President of Ecuador and Minister of Agriculture for discussion of the Camara Nacional de Acuacultura report on shrimp farming and mangroves, August 30, 1995, Quito.

1995 Environmental Study of the Cayapas-Mataje Area for the Purpose of Recommending Management Strategies, Province of Esmeraldas, Ecuador. Report to Camara Nacional de Acuacultura, Guayaquil, and presented at Third Ecuadorian Congress on Aquaculture, October 27-November 1, Guayaquil Ecuador

1994 Aerial Dispersant Application: Field Testing Research Program - Alpine, Texas. Marine Spill Response Corporation, Technical Report Series #94-019, 54 pp + Appen. (Charles P. Giammona,



Kandace Binkley, Roger Fay, G. Denoux, M. Champ, R. Geyer, F. Bouse, I. Kirk, D. Gardisser, and R. Jamail)

1993 Measuring the Aerial Application of Oil Dispersant from Very Large Aircraft at Moderate Altitude. Proceedings 1993 Arctic and Marine Oilspill Program Calgary, June 7-9, 1993, (Roger R. Fay, Charles P Giammona, Kandace Binkley, F. Rainer Engelhardt)

1993 National Status and Trends Mussel Watch Program: Chlordane Related Compounds in Gulf of Mexico Oysters, 1986-1990. Environmental Pollution, 82:23-32. (Jose Sericano, T. L. Wade, J. M. Brooks, E.L. Atlas, R. R. Fay, D. L. Wilkinson)

1993 Gulf Coast Sediment Organic Contaminant Distribution: Results from the EPA EMAP-NC Program. Presented at the 14th Annual Meeting, Society of Environmental Toxicology and Chemistry, 14-18 November 1993, Houston, Tx. (Terry L. Wade, J.M. Brooks, T.J. Jackson, J.M. Wong, G.J. Denoux, R.R. Fay, J.K. Summers, J.M. Macauley, and P.T. Heitmuller)

1992 Developments and Applications of Offshore Surface Geochemical Exploration. Proceedings 1992 CAPA Technology Conference (Houston, TX, May 9-10. (J. M. Brooks, M. C. Kennicutt, G. Zhu, and R. R. Fay)

1992 Oyster Disease and Climate Change. Are Yearly Changes in Perkinsus marinus Parasitism in Oysters (*Crassostrea virginica*) Controlled by Climatic Cycles in the Gulf of Mexico? Marine Ecology, 13(3):243-270. (Eric N. Powell, Julie D. Gauthier, Elizabeth A. Wilson, Alanna Nelson, Roger R. Fay, and James M. Brooks).

1992 "Volatile organic compounds associated with oil seepage along the northern continental slope of the Gulf of Mexico", pp. 433-454. In: Organic Matter Productivity Accumulation, and Preservation in Recent and Ancient Sediments (Editors: J. Whelan and J. W. Farrington), Columbia University Press. (McDonald, Thomas J., Mahlon C. Kennicutt II, James M. Brooks, and Roger R. Fay)

1991 The Galveston Bay National Estuary Program; Shoreline Survey for Point Source Discharges. Presentation at Galveston Bay Characterization Workshop (Galveston Bay National Estuary Program), 21-23 February 1991 Houston. (Roger R. Fay, R.J. Wilson, Stephen T. Sweet).

1991 Trace Organic Contamination in Galveston Bay: Results from the NOAA National Status and Trends Mussel Watch Program. Presentation at Galveston Bay Characterization Workshop (Galveston Bay National Estuary Program), 21-23 February 1991 Houston. (Terry L. Wade, James M. Brooks, Jose L. Sericano, T.J. McDonald, B. Garcia-Romero, R.R. Fay, and D.L. Wilkinson)

1991 Shoreline Survey for Unpermitted Discharges to Galveston Bay. Galveston Bay National Estuary Program . GBNEP Publication #12, 45 pages. August 1991. (Roger R. Fay, Stephen Sweet, and R. J. Wilson)

1990 Volatile Substances and the Toxicity of Ocean-Dumped Industrial Wastes to Phytoplankton. pp. 197- 205. In Ocean Processes in Marine Pollution, Vol. 6 Physical and Chemical Processes: Transport and Transformations (Editors: D.J. Baumgartner and I. W. Duedall) , Krieger Publishing Company (Din, Z. B., R. R Fay and J. M. Brooks)



1990 "Dermo" and the El Nino/Southern Oscillation. Are yearly changes in *Perkinsus marinus* parasitism in oysters (*Crassostrea virginica*) controlled by climatic cycles in the Gulf of Mexico?". *Journal of Marine Research* . (Powell, W.N., J. D. Gauthier, E. A. Wilson, A. Nelson, R. R. Fay, and J. M. Brooks)

1990 "Unpermitted Discharges in Galveston Bay". President's Lecture Series, Mitchell Campus Auditorium, Texas A&M at Galveston, October 23, 1990

1989 "A Rapid Screening Test for the Regulation of Dredged-Material Disposal in the Ocean". In: *Oceanic Processes in Marine Pollution, Vol. 3. Marine Waste Management: Science and Policy.* Edited by Michael A. Champ and P. Kilho Park. Robert E. Krieger Publishing Co., Malabar, FL, pp. 167-176. (Roger R.Fay).

1989 "Distribution of *Perkinsus marinus* in Gulf Coast oyster populations". *Estuaries* 12(2): 82-91. (Craig, M. A., E. N. Powell, R. R. Fay and J. M. Brooks).

1988 "Distribution of *Perkinsus marinus* and its effect on reproductive development in oyster populations in the Gulf of Mexico" *J. Shellfish Res.* 7:205 (Wilson, E.A., E.N. Powell, A.M. Craig, and R.R. Fay)

1987 "A survey of *Perkinsus marinus* and *Bucephalus* sp. infection and reproductive state of Gulf Coast oyster populations." Presented at Benthic Ecology Meetings, Raleigh North Carolina, March 7. (Craig, A.M., E.N. Powell, and R.R. Fay).

1987 "Chemosynthetic ecosystems, hydrates, and oil seepage on the Gulf of Mexico Slope: An update". *EOS* 68(18) 498-499 (J.M. Brooks, M.C. Kennicutt II, R.R. Bidigare, T.L. Wade, E. Powell, G.J. Denoux, R.R. Fay, J.J. Childress, C.R. Fisher, I. Rosman, and G. Boland).

1986 "Observations on the utility of phytoplankton parameters in ocean disposal assessments". *Proc. of the Oceans '86 Conference*, 3, 889-893 Presented at Special Symposium on U.S. National Monitoring Strategies, Sept. 23-25, 1986, Washington, D.C. (Roger R. Fay, M. Schnitzer, R. R. Bidigare, D. B. Cline).

1985 "Ocean incineration: Contaminant loading and monitoring". In: *Wastes in the Ocean, Vol. 5: Deep Sea Waste Disposal* (Eds. D. R. Kester et al.), pp. 73-90, John Wiley and Sons, 346 p. (Roger R. Fay and T. A. Wastler).

1985 "Vent Type Taxa in a Hydrocarbon Seep Region on the Louisiana Slope". *Nature* 317 (6035): 351-353 (M.C. Kennicutt II, J.M. Brooks, R.R. Bidigare, R.R. Fay, T.L. Wade, and T.J. McDonald).

1985 "Hydrates, oil seepage and chemosynthetic ecosystems on the Gulf of Mexico slope". *EOS* 66(10): 106 (J. M. Brooks, M. C. Kennicutt, R. R. Bidigare, and R.R. Fay).

1985 "Geochemical Exploration Techniques Applied to the Gulf of Mexico". American Chemical Society National Meeting, Miami, Fl., 29 April - 3 May 1985 (J.M. Brooks, M.C. Kennicutt II, R.R. Fay, and G. J. Denoux).



1984 "Thermogenic Gas Hydrates in the Gulf of Mexico". *Science* 225: 409-411. (J.M. Brooks, M.C. Kennicutt II, R.R. Fay, T.J. McDonald, and R.A. Sassen).

1983 "An Alternate Approach to the Regulation of Dredged Material Disposal in the Ocean". Presented at the IODS Special Symposium, "Ocean Waste Management: Policy and Strategies", May 2-6, 1983, University of Rhode Island.

1981 "Ocean Incineration: Contaminant Loadings and Monitoring Results, Past Practice and Future Concerns". Presented at the Third International Ocean Disposal Symposium Oct. 12-16, 1981, Woods Hole, Mass.

1981 "Procedural Guide for Designation Surveys of Ocean Dredged Material Disposal Sites". Corps of Engineers Waterways Experiment Station Technical Report EL-81-1, 268 pp. + Appendices (with W.E. Pequegnat and others).

1980 "Combined Field-Laboratory Method for Chronic Impact Detection in Marine Organisms and Its Application to Dredged Material Disposal". In: *Estuarine and Wetland Processes*, Peter Hamilton and Keith B. MacDonald (eds.), Plenum Publishing Corp., New York (with W.E. Pequegnat and T.A. Wastler).

1980 "Application of the Biotal Ocean Monitor System to a Study of the Impacts of Ocean Dumping of Dredged Material in the New York Bight". TERECO Tech. Rept. to U.S. Army Corps of Engineers, New York District, D.J. Suszkowski, Project Officer, 61 pp. (with W.E. Pequegnat and others).

1979 "Application of the Biotal Ocean Monitor System to a Preliminary Study of the Impacts of Ocean Dumping of Dredged Material in the New York Bight". Tech. Rept. to U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS. Contract No. 68-01-4794 (with W.E. Pequegnat and others).

1978 "Development and Application of a Biotal Ocean Monitor System to Studies of the Impacts of Ocean Dumping". Tech. Rept. to USEPA, Washington, D.C. Contract No. 68-01-2893 and 68-01-4797 (with W.E. Pequegnat and others).

1974 "Nannoplankton Production in the Gulf of Mexico and the Antarctic: A Comparison". Presented at the 37th Annual Meeting of the American Society of Limnology and Oceanography.

1973 "Significance of the Nannoplankton in the Productivity of the Ross Sea, Antarctica". Presented at the 36th Annual Meeting of the American Society of Limnology and Oceanography.

1973 "The Calculation of Geiger Counting Efficiency for Use in C-14 Primary Productivity Measurements". Presented at the 76th Annual Meeting of the Texas Academy of Science (with W.J. Hyoun).

1973 "Significance of Nannoplankton in Primary Production of the Ross Sea, Antarctica During the 1972 Austral Summer". Ph.D. Dissertation, Texas A&M University.



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1972 "Organochlorine Insecticide Residues in Aransas Bay, Texas". Presented at the 75th Annual Meeting of the Texas Academy of Science (with L.W. Newland).

1972 "Primary Productivity Investigations in the Ross Sea During the Austral Summer, 1972". Presented at the 75th Annual Meeting of the Texas Academy of Science.

1972 "Ecological Studies of Phytoplankton Between New Zealand and the Antarctic". Antarctic Journal of the U.S., 7(5): 174-175 (with S.Z. El-Sayed).

1972 "Organochlorine Insecticide Residues in Water, Sediment, and Organisms; Aransas Bay, Texas, September 1969 - June 1970". Pesticides Monitoring Journal, 6(2): 97-102 (with L.W. Newland).

1972 "The Elution of Some Organochlorine Insecticide Mixtures by Florisil Column Chromatography". Texas Journal of Science, 24(2): 191-196 (with L.W. Newland).

1971 "The Determination of Organochlorine Insecticides in Aransas Bay". M.S. Thesis, Texas Christian University.