

CURRICULUM VITAE

Douglas E. Kesling
5701 Wood Duck Circle
Wilmington, North Carolina 28409
(910) 540-5565 (w) (910) 392-5577 (fax)
Dkesdiver@aol.com

P E R S O N A L D A T A

Status: Single, two children
Health and physical condition: Excellent
Height: 6'0"
Weight: 225 lbs.

E D U C A T I O N

University of North Carolina Wilmington, Wilmington, NC 28403

Professional Business Development - 2012 - Certificate Program

MA., Liberal Studies - 2005

Wright State University, Dayton, Ohio 45435

BS., Nursing - 1985

P R O F E S S I O N A L E X P E R I E N C E

Roscoe Enterprises, LLC

5701 Wood Duck Circle
Wilmington, North Carolina 28409

POSITION: CONTRACT TRAINER AND SPECIALTY INSTRUCTOR

DATES: January 1, 2012 to Present

SUPERVISOR: SELF

JOB RESPONSIBILITIES: ECCR (REBREATHER) SUPERVISOR, *HYPERLITE*TM, HYPERBARIC INSTRUCTOR, DIVING SAFETY OFFICER (DSO). THE PRIMARY PURPOSE OF THIS POSITION IS TO TRAIN AND SUPERVISE SCIENTISTS IN THE PURSUIT OF UNDERSEA RESEARCH DIVING OBJECTIVES USING OPEN CIRCUIT TECHNICAL (TRIMIX) SCUBA AND CLOSED CIRCUIT REBREATHERS.

J. F. White Contracting Company

10 Burr Street
Framingham, MA 01701

POSITION: CONSULTANT – SPECIALIZED DIVING UNIT

DATES: November 1, 2011 to April 30, 2015

SUPERVISOR: JAMES F. CLARK (jfreemanclark@gmail.com) (978) 549-6603

JOB RESPONSIBILITIES: DEVELOP AND SUPPORT AN ADVANCED DIVING TECHNOLOGY PROGRAM FOR THE DIVING DIVISION OF JFW. ATMOSPHERIC DIVING SYSTEMS (ADS), SCIENTIFIC DIVING SAFETY OFFICER, ADS CONSOLE OPERATIONS, MICRO SUBMERSIBLES, SCUBA DIVING AND CLOSED CIRCUIT REBREATHING OPERATIONS. OSHA – 10 CERTIFIED CONSTRUCTION.

Cooperative Institute for Ocean Exploration, Research and Technology

(CIOERT) NOAA Ocean Exploration and Research Office - Dept. of Commerce
University of North Carolina Wilmington/Florida Atlantic University - HBOI
5600 Marvin K. Moss Lane
Wilmington, North Carolina 28409

POSITION: MANAGER, ADVANCED DIVING TECHNOLOGY PROGRAM - UNCW

DATES: July 1, 2009 to October 31, 2011

SUPERVISOR: ANDREW SHEPARD sheparda@usf.edu

JOB RESPONSIBILITIES: DEVELOP AND SUPPORT AN ADVANCED DIVING TECHNOLOGY PROGRAM FOR THE NOAA CIOERT AT UNCW. THE PRIMARY PURPOSE OF THIS POSITION IS TO TRAIN AND SUPERVISE SCIENTISTS IN THE PURSUIT OF UNDERSEA RESEARCH DIVING OBJECTIVES USING OPEN CIRCUIT, TECHNICAL (TRIMIX) SCUBA DIVING AND CLOSED CIRCUIT REBREATHERS.

NOAA Undersea Research Center - UNCW

University of North Carolina Wilmington
5600 Marvin K. Moss Lane
Wilmington, North Carolina 28409

POSITION: TRAINING AND SAFETY COORDINATOR (DSO)

DATES: August 1, 1990 to June 30, 2009

SUPERVISOR: DAVID A. DINSMORE dinsmoredad@gmail.com

JOB RESPONSIBILITIES: THE PRIMARY PURPOSE OF THE TRAINING AND SAFETY COORDINATOR IS TO ASSIST SCIENTISTS/AQUANAUTS IN THE PURSUIT OF UNDERSEA RESEARCH OBJECTIVES AND TO HELP PLAN, COORDINATE, AND OVERSEE ALL DIVER TRAINING AND DIVER CERTIFICATION ACTIVITIES CONDUCTED UNDER NURC/UNCW AUSPICES. MANAGED AS DIVING SAFETY OFFICER (+50) VISITING INVESTIGATORS ANNUALLY AND (+20) STAFF DIVERS.

Environmental Studies Program - UNCW

University of North Carolina Wilmington
601 S. College Road
Wilmington, North Carolina 28403

POSITION: COURSE DIRECTOR/INSTRUCTOR/ADJUNCT FACULTY
EVS 479 (2 CREDITS) - *INTRODUCTION TO RESEARCH DIVING* (+14 YEARS)

International Society of Aquatic Medicine (ISAM)

6240 Turtle Hall Drive
Wilmington, North Carolina 28409

POSITION: FACULTY: SUNY - BUFFALO, NEW YORK

DATES: May 2010

JOB RESPONSIBILITIES: LECTURER/STAFF: DIVING MEDICINE CONTINUING
EDUCATION COURSE; (30.0) AMA PRA CATEGORY 1 MEDICAL CREDITS.

National Undersea Research Center – Manned Undersea Science & Technology

Fairleigh Dickinson University
St. Croix, U.S. Virgin Islands 00820

POSITION: TRAINING AND SAFETY SUPERVISOR

DATES: February 1, 1988 to July 31, 1990

SUPERVISOR: RICHARD BEREY

JOB RESPONSIBILITIES: DIVING INSTRUCTOR FOR THE *AQUARIUS* SATURATION
DIVING FACILITY. MONITORED AND STANDARDIZED DIVING PRACTICES,
CONDUCTED AQUANAUT TRAINING, MAINTAINED SCUBA EQUIPMENT, SERVED
AS AN ON-BOARD HABITAT TECHNICIAN (SATURATION DIVER) AND
SUPERVISED SATURATION DECOMPRESSION AND HYPERBARIC TREATMENTS

West Indies Laboratory – Tropical Marine Research Station/Field Campus

Fairleigh Dickinson University
St. Croix, U.S. Virgin Islands 00820

POSITION: DIVING SAFETY OFFICER (DSO)

DATES: AUGUST 1, 1985 TO APRIL 1, 1988

SUPERVISOR: JOHN OGDEN, PH.D.

JOB RESPONSIBILITIES: SUPERVISION OF ALL DAY-TO-DAY DIVE OPERATIONS
AND OVERSIGHT FOR A SIGNIFICANT SCIENTIFIC DIVING PROGRAM.
MONITORED AND STANDARDIZED DIVING PRACTICES, CONDUCTED DIVE
TRAINING AND CERTIFICATION, MAINTAINED SCUBA EQUIPMENT, SERVED AS A
FIELD RESEARCH ASSISTANT IN MARINE BIOLOGY, CHEMISTRY AND GEOLOGY
AND SERVED AS COURSE INSTRUCTOR FOR *ADVANCED DIVING FOR SCIENTIFIC
STUDIES*. HANDLED ALL DAY TO DAY DIVING SAFETY ASPECTS AND SMALL
BOATING PROGRAM - RESEARCH VESSEL CAPTAIN FOR (+50) DIVERS
ANNUALLY IN RESIDENCE OR AS VISITING INVESTIGATORS.

O R G A N I Z A T I O N S

Undersea and Hyperbaric Medical Society

631 US Highway 1, Suite 307
North Palm Beach, FL 33408

INTRODUCTION TO HYPERBARIC MEDICINE AT NEWBERRY, SC

40.0 CATEGORY A CREDIT CONED - SEPTEMBER 20-23, 2019

American Academy of Underwater Sciences - AAUS

101 Bienville Boulevard
Dauphin Island, Alabama 36528

ELECTED DIRECTOR/BOD MEMBER, JANUARY 1, 2000 - DECEMBER 31, 2006

MEMBER SINCE 1985

National Park Service – NPS National Dive Control Board

NPS Submerged Resources Center
12795 W. Alameda Parkway
Denver, Colorado 80225

NATIONAL ADVISOR TO THE NPS NATIONAL DIVE CONTROL BOARD -
MEMBER SINCE 2011

National Board of Diving & Hyperbaric Medical Technology - NBDHMT

9 Richland Medical Park Drive, Suite 330
Columbia, South Carolina 29203

DIVER MEDICAL TECHNICIAN - ADVANCED

DIVER MEDICAL TECHNICIAN – ADJUNCT COURSE INSTRUCTOR

National Association of Underwater Instructors - NAUI

9030 Camden Field Parkway
Riverview, Florida 33578

DIVING INSTRUCTOR (NITROX, RESCUE, ADVANCED, RESEARCH DIVING)

ASHI - CPR, FIRST AID, BLOOD BORNE PATHOGEN AND AED INSTRUCTOR

NOAA Diving Program

NOAA Diving Program
7600 Sand Point Way N.E., Bldg. #8
Seattle, Washington 98115-0070

MEMBER - TECHNICAL DIVING ADVISORY COMMITTEE

NOAA VOLUNTEER DIVER – *ECCR* (MEGALODON) WORKING DIVER – LTD.

Professional Association of Diving Instructors - PADI

30151 Tomas Road
Rancho Santa Margarita, California 92688

DIVING INSTRUCTOR (U/W PHOTOGRAPHY, NITROX, DIVE COMPUTERS, DRY SUITS)

Technical Diving International -TDI

1045 NE Industrial Blvd
Jensen Beach, Florida 34957

DIVING INSTRUCTOR (DECOMPRESSION TECHNIQUES, ADVANCED NITROX, EXTENDED RANGE AND TRIMIX, ADVANCED TRIMIX)

Divers Alert Network - DAN

6 West Colony Place, Suite 200
Durham, North Carolina 27707

DAN OXYGEN PROVIDER INSTRUCTOR

DAN DIVING FIRST AID FOR PROFESSIONAL DIVERS INSTRUCTOR

DAN FIRST AID FOR HAZARDOUS MARINE LIFE INJURIES INSTRUCTOR

United States Coast Guard - USCG

United States of America
LICENSED MARINER - 100 TONS

SOS *HYPERLITE*TM

SOS Hyperlite Ltd.
Heritage House, Ramsey Road
Peel, IM5 1RH British Isles

INSTRUCTOR - SOS *HYPERLITE*TM, HYPERBARIC STRETCHER SYSTEMS

UNDERWATER CINEMATOGRAPHY AND DOCUMENTARIES

“Hitler’s Secret Attack on America” National Geographic Channel - Talent, diving coordinator, science diver, mission coordinator. July 2011 - Air Date: February 2014.

“Mystery of the Grouper Moon; A Guy Harvey Expedition.” Grouper Moon Project: 2014. Filming project in conjunction with R.E.E.F, Cayman Islands Government and The Guy Harvey Ocean Foundation – 2012-2013: Little Cayman Island, KY. Safety diver, underwater still cameraman, cinematographer and lighting support.

Essential Image Source Foundation (EISF). High Definition Filming Project in conjunction with NOAA/NOS Center for Coastal Fisheries and Habitat Research *“Lions of the Deep”*. Safety diver, underwater still cameraman and lighting support.

Project for Eco-Nova Productions Limited - Sea Hunters. *“Queen of Nassau”* National Geographic International Television - Talent, diving coordinator, safety diver, mission coordinator. March 2005 - Air Date: April 2006.

The History Channel – Deep Sea Detectives *“Great Lakes Ghost Ship”* August 2005 - Air: October. 2005. Topside support, dive supervision, chamber support.

The History Channel – Deep Sea Detectives *“Explosion at Sea”* April 2004 - Air Date: October. 2004. Talent, diving coordinator and safety diver.

NOVA / PBS – *“Lincoln’s Secret Weapon”* NOVA Season Premiere for PBS. September 1999. Underwater cameraman, diving coordinator, safety diver and mission coordinator.

Discovery Channel International - Science of the Deep. *“Aquarius Undersea Lab”* Logistics coordinator, diving safety officer, and support diver.

Discovery’s Underwater/BBC - *“Port Royal Project-Cities in the Sea”* Logistics coordinator, diving safety officer, talent and support diver.

ABC Wide World of Sports. American Sportsman Series: *Whale sharks; Sharks Flashback*. Safety diver and underwater lighting.

P U B L I C A T I O N S

Kesling, D.E. Operational Considerations for the Use of Closed-Circuit Rebreathers in Scientific Diving Research. *In*: Pollock NW, Sellers SH, Godfrey JM, eds. Rebreathers and Scientific Diving. Proceedings of NPS/NOAA/DAN/AAUS June 16-19, 2015 Workshop. Wrigley Marine Science Center, Catalina Island, CA; 2016; 272 pp. http://www.aaus.org/resource_library?back_state=1&library_detail=3861

Kesling, D.E. and J. Selby. 2013. The Efficacy of Using a *Hyperlite*TM Hyperbaric Stretcher for the Treatment of Serious Decompression Illness. *In*: Lang, M.A., and M.D.J. Sayer, editors. Proceedings of the 2013 AAUS/ESDP Curaçao Joint International Scientific Diving Symposium, Dauphin Island, AL. pp.147-157.

Kesling, D.E. and C. Sherman, R. Appeldoorn, D. Ballantine, I. Bejarano, M. Carlo, M. Nemeth, F. Pagan, H. Ruiz, N. Schizas, E. Weil. 2013. Exploring the Mesophotic Zone: Diving Operations and Scientific Highlights of Three Research Cruises across Puerto Rico and the US Virgin Islands. *In*: Lang, M.A., and M.D.J. Sayer, editors. Proceedings of the 2013 AAUS/ESDP Curaçao Joint International Scientific Diving Symposium, Dauphin Island, AL. pp. 297-319.

Kesling, D. Rebreather Forum 3.0, *In the Loop*. Invited Speaker and panelist. 3-Day Rebreather Forum/Workshop. May 18-20, 2012. Caribe Royale Hotel, Orlando, Florida. Sponsored by the Professional Association of Diving Instructors (PADI), Divers Alert Network (DAN), and the American Academy of Underwater Sciences (AAUS). www.rf30.org

Kesling, D.E. 2011. Atmospheric Diving Suits – New Technology May Provide ADS Systems that are Practical and Cost-Effective Tools for Conducting Safe Scientific Diving, Exploration, and Undersea Research. *In*: Pollock NW, ed. Diving for Science 2011. Proceedings of the American Academy of Underwater Sciences 30th Symposium. Dauphin Island, AL pp. 74-76.

Kesling, D. and H. Styron. 2006. Scientific Diving with Untethered Open-Circuit Mixed Gas Scuba. *In*: Lang, M.A. and N.E. Smith (eds.) 2006. *Proceedings of the Advanced Scientific Diving Workshop*. February 23-24, 2006. Smithsonian Institution. Washington, DC 22 p.

Holstege, C. and D. Rusyniak. 2005. Medical Toxicology, Medical Clinics of North America. Contributing Photographer. Saunders, Philadelphia. Vol 89. No. 6. pp. 1201-1202.

National Maritime Historical Society. Sea History. The Art, Literature, Adventure, Lore & Learning of the Sea. Cover Photograph. *Iron in the Deep, USS Monitor*. Fall 2004, No. 108.

Stone, G. 2001. Marine Technology Society Journal, Special Issue, “Scientific and Technical Diving”. Kesling, D.E. Guest Editor. MTS. Washington, DC. Vol. 34. No. 4. 98 p.

Joiner, J.T. (editor). 2001. NOAA Diving Manual: Diving for Science and Technology. 4th Edition, Best Publishing Company. Kesling D.E. (Contributor and Reviewer). Flagstaff, AZ. 800 p.

Hamilton, RW, Pence, DF, and D. Kesling, editors. 1999. Assessment and Feasibility of Technical Diving Operations for Scientific Exploration. November 3, 1999. American Academy of Underwater Sciences. Nahant, MA 83 p.

Kesling D.E. and A. Shepard. 1997. Scientific Diving beyond 190 FSW! The NURC/UNCW Experience. *In*: Maney, E.J. and Ellis, C.H. (eds.) Proceedings of American Academy of Underwater Sciences, 1997 Scientific Diving Symposium. Boston, MA. pp. 101-104.

Kesling, D. and R. Berey. 1989. Training, Equipment and Operational Procedures for Conducting Scientific Saturation Diving Activities. *In*: Lang M.A. and W.C. Jaap. (eds.) Proceedings of American Academy of Underwater Sciences, Ninth Annual Scientific Diving Symposium. Costa Mesa, CA. pp 199-211.

Kesling, D. 1988. The Age of Aquarius. *In*: Lang M.A. (ed.). Proceedings of American Academy of Underwater Sciences. Eight Annual American Academy of Underwater Sciences, Scientific Diving Symposium. Costa Mesa, CA pp 89-92.

A W A R D S A N D G R A N T S

2009 Conrad Limbaugh Award for Scientific Diving Leadership - American Academy of Underwater Sciences (AAUS) - December 2009.

Collaboration on undersea research between the Florida Keys National Marine Sanctuary and NOAA's National Undersea Research Center at the University of North Carolina at Wilmington. \$5,000.00 - March 13, 2003.

Collaboration on undersea research between the Florida Keys National Marine Sanctuary and NOAA's National Undersea Research Center at the University of North Carolina at Wilmington. \$10,000.00 - September 12, 2001.

PADI Foundation. *Recommendations, Guidelines and Procedures for the Use of Advanced, Untethered, Self-Contained Underwater Breathing Apparatus in Staged Decompression for Scientific Research.* \$4,250 - April 16, 2001.

Friends of UNCW. History of Diving Exhibit for Randall Library. June/July 2001. \$750 - March 16, 2001.

Collaboration on undersea research between the *Monitor* National Marine Sanctuary and NOAA's National Undersea Research Center at the University of North Carolina at Wilmington. \$12,744.00 - March 16, 2001.

Collaboration on undersea research between the *Monitor* National Marine Sanctuary and NOAA's National Undersea Research Center at the University of North Carolina at Wilmington. \$12,758.00 - August 1, 2000.

Diver training, environmental and marine science research efforts at NOAA's Gray's Reef National Marine Sanctuary. PADI Project Aware Award. \$500.00 - September 19, 1996.

Our World Underwater Scholarship Society. 1983-84. OWU North American Rolex Scholarship Recipient. One-year experiential travel award into the diving industry. \$100,000.00 - May 1, 1983.

R E F E R E N C E S

Dan Orr
Dan Orr Consulting
2695 Sunrise Drive
Driggs, Idaho 38422
(919) 369-0583
danorr@danorrconsulting.com

David A. Dinsmore
Manager (Retired)
NOAA Diving Program
7600 Sand Point Way N.E., Bldg. #8
Seattle, Washington 98115-0070
(865) 354-7613
dinsmoredad@gmail.com

Patrick Seiden
Safety Manager (Retired)
Bond Brothers
(508) 224-7463
deepseadog@hotmail.com