

Michael D. Curley, Ph.D.

Current research areas of interest: Extending human performance in extreme environments, including diving, submarines, confinement, heat/cold; cognition and exercise, stress prevention and mitigation.

Colleges and Universities attended

Ph.D.	1973-77	University of South Florida, Tampa, Fl
M.A.	1972-73	Appalachian State University, Boone, NC
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B.A.	1964-68	Lebanon Valley College, Annville, PA

Honorary and Professional Societies

Sigma Xi, Psy Chi, Human Factors and Ergonomics Society, Undersea and Hyperbaric Medical Society

Recent Experience

2007	(1) Associate Director, CRESE, University at Buffalo (2) Associate Research Professor, Department of Physiology & Biophysics, University at Buffalo
2006-present	Vice President, Oxford Research Institute,
2003-present	Director, The Curley Team LLC, Gales Ferry, CT
2004-05	(1) President & Chief Executive Officer, Divers Alert Network, Durham, NC (2) Associate Research Professor, Department of Anesthesiology, Duke University Medical Center, Durham, NC
1999-02	Commanding Officer, Naval Submarine Medical Research Laboratory, Groton, CT
1997-99	Director, U. S. Navy Deep Submergence Biomedical Development, Naval Sea Systems Command, Crystal City, VA

Other Qualifications

Certified Human Factors Engineering Professional; saturation and experimental diver; parachutist; survival and resistance instructor; cold weather medicine; strategic planning; former U.S. Navy Captain.

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International Research Collaborations (examples)

- National Hyperbaric Center, Aberdeen, Scotland (saturation diving)
- Institute of Naval Medicine, Alverstoke, England (diver thermal protection & performance)
- Norwegian Underwater Technology Center, Bergen, Norway (dive noise & audition)
- Bruel & Kjaer, Copenhagen, Denmark (hyperbaric noise assessment)
- German Hyperbaric Center, Kiel, Germany (diver human factors)
- Medical Research Council, London, England (cognitive fitness to dive)
- Defence and Civil Institute of Environmental Medicine, Toronto, Canada (diving tables)

Selected Papers

- Curley, M. D., Berghage, T. E., Raymond, L., Sode, J., and Leach, C. Emotional stability during a chamber saturation dive to 49.5 ATA. Journal of Applied Psychology, 1979, 64(5), 548-557.
- Curley, M. D., Walsh, J. M., and Burch, L. S. Behavioral effects of morphine on free-operant avoidance under hyperbaric pressure. Pharmacology, Biochemistry, and Behavior, 1980, 12, 413-417.
- Curley, M. D., and Bachrach, A. J. Tactile sensitivity in the one-atmosphere diving system, JIM. Human Factors, 1981, 23(3), 291-297.
- Curley, M. D., and Bachrach, A. J. ADS (JIM) operator performance in 20C and 30C water. Undersea Biomedical Research, 1982, 9(3), 203-212.
- Curley, M. D., and Hawkins, R. N. Cognitive performance during a heat acclimatization regimen. Aviation, Space and Environmental Medicine, 1983, 54(8), 709-713.
- Curley, M. D., Walsh, J. M., and Triplett, R. G. Wartime management of oral and maxillofacial wounds: The casualty's view. Military Medicine, 1983, 148, 723-726.
- Curley, M. D., and Downs, E. F., Jr. Helmet noise and divers' hearing. Proceedings of Oceans '86, IEEE/Marine Technology Society, 1986.

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- Curley, M. D., and Knafelc, M. E. Evaluation of noise within the MK 12 SSDS Helmet and its effect on divers' hearing. Undersea Biomedical Research, 1987, 14(3), 187-204.
- Curley, M. D., and Butler, F. K., Jr. Visual reaction time performance preceding CNS oxygen toxicity. Undersea Biomedical Research, 1987, 14(4), 301-310.
- Enseleit, W. H., and Curley, M. D. A review of physiological and performance limits in saturation diving: 1968-1983. Navy Experimental Diving Unit Report No. 6-87. NTIS No. A183662, Navy Experimental Diving Unit, Panama City, FL, June 1987.
- Curley, M. D. U.S. Navy saturation diving and diver neuropsychologic status. Undersea Biomedical Research, 1988, 15(1), 39-50.
- Curley, M. D., Wallick, M. T., and Amerson, T. L. Long term health effects of U.S. Navy diving: Neuropsychology. In: Long Term Health Effects of Diving, Hope, A., Lund, T., Elliott, D., Halsey, M. J., and Wiig, H. (Eds.). Norwegian Underwater Technology Centre, Bergen, Norway, 1994.
- Curley, M. D., and Amerson, T. L. Neuropsychological status of the divers. In National Hyperbaric Centre, Ltd. Aurora '93 Dive Report, Vol. 2, 151-153. NHC Document No. 02.RE.401.02, Aberdeen, Scotland, UK., 1994.
- Curley, M. D., and Amerson, T. L. The use of psychometric testing in decompression illness. In Treatment of Decompression Illness, Moon, R. E., and Sheffield, P. J. (Eds.). Undersea and Hyperbaric Medical Society/ Aerospace Medical Association, Bethesda, MD, 1996.
- Curley, M. D. The future of submarine search, survival and rescue. In Joiner J, Karles S, Nuckols L, and Chandler D (Eds). Naval Forces Under The Sea: A Look Back, A Look Ahead. Best Publishing Company, Flagstaff AZ, 2002
- Curley M. D., Hart B., and Roesch R. High speed boat repetitive impacts and operator performance. Naval Submarine Medical Research Laboratory Technical Report TR-1230. Groton, CT. July 2003.

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- Fothergill D.M., Sims J.R. and Curley M. D. Neoprene wet-suit hood affects low-frequency underwater hearing thresholds. Aviation, Space and Environmental Medicine, 75(5), May 2004, 397-404(8).
- Curley, M.D. and Wallick, M.T. Long term health effects of experimental saturation diving >180 msw: The U.S. Navy experience. In: Hope A. and Risberg J. (Eds.) Long-term health effects of diving: The Godoyssund 1993 consensus conference revisited. NUI AS, Bergen, Norway. 2006.