

ROBERT W. DUNN
Professor
Department of Physics - Hendrix College
Conway, Arkansas 72032

EDUCATION

University of New Mexico	Physics	Ph.D. 1983
Air Force Institute of Technology	Physics	M.S. 1976
University of Texas at Austin	Education	B. S. 1965

PROFESSIONAL APPOINTMENTS

1988 - present	Hendrix College, Professor of Physics
1986 - 1988	U.S. Military Academy, Associate Professor of Physics
1983 - 1986	U.S. Air Force Academy, Associate Professor of Mathematical Sciences
1976 - 1979	Kirtland Air Force Base, Physicist
1968 - 1974	Charleston and McGuire Air Force Bases - Avionics Maintenance Officer

PUBLICATIONS IN REFEREED JOURNALS

R. B. Hurst, R. W. Dunn, K. U. Schreiber, "Mode behaviour in ultra-large ring lasers," Appl. Opt. 43, 2337-2346 (2004).

R. W. Dunn, D. E. Shabalin, R. J. Thirkettle, G. J. MacDonald, G. E. Stedman, and K. U. Schreiber, "Design and initial operation of a 367 - m² rectangular ring laser," Appl. Opt 41, 1685-1688 (2002).

B. E. Currie, G. E. Stedman, and R. W. Dunn, "Laser stability and beam steering in a nonregular polygonal cavity," Appl. Opt. 41, 1689-1697 (2002).

R.W. Dunn, "Charged Particle Detection in Rocket Plumes for Monitoring Engine Distress," *Int. J. Turbo & Jet-Engines*, Vol. 16, No.4 (1999).

R.W. Dunn, "Design of a Triangular Active Ring Laser 13m on a Side," *Appl. Opt.* 37, 6405-6409 (1998).

R. W. Dunn, "Multimode Ring Laser Lock-In," *Appl. Opt.* 28, 2584-2587 (1989).

R.W. Dunn, S.T. Hendow, J.G. Small, and E. Stijus, "Gas Laser Mode-Locking Using an External Acoustooptic Modulator with a Potential Application to Passive Ring Gyroscopes," *Appl. Opt.* 21, 3984-3986 (1984).

R.W. Dunn, S.T. Hendow, W.W. Chow, and J.G. Small, "Single Mode Operation of Doppler Broadened Laser by Injection Locking," *Opt. Lett.* 8, 319 (1983).

S.T. Hendow, R.W. Dunn, W.W. Chow, and J.G. Small, "Observation of Bistable Behavior in the Polarization of Laser," *Opt. Lett.* 7, 356 (1982).