

## VITA

DR. RAYMOND WILLIAMS

### EARNED DEGREES:

- B. S. Mississippi Valley State University 1966 Industrial Arts  
M. A. DePauw University 1968 Mathematics  
Thesis: The Racatti Difference Equation,  
Dr. Underwood Dudley, Advisor  
Currently Professor of Mathematics at DePauw University
- Ph.D. University of Southern Mississippi 1980 Secondary-Math/Research  
Dissertation: A Study of Pre-Calculus as Predictor of Success In Calculus  
Dr. Jerry Young, Advisor  
Currently Professor of Research at Delta State University

### EDUCATIONAL WORK EXPERIENCE:

- |                |  |                             |
|----------------|--|-----------------------------|
| 1991 - Present | Mississippi Valley State University          | Tenured Professor           |
| 2002 (Summer)  | Naval Research Lab-Stennis                   | Ocean Colors Remote Sensing |
| 2000 (Summer)  | Naval Research Lab<br>Patuxent River, MD     | Software Engineering        |
|                | ASEE/Navy Summer Faculty Research            |                             |
| 1994 (Summer)  | Naval Air Warfare Center<br>(Warminster, PA) | Naval Research              |
| 1993 (Summer)  | Joint Venture (JOVE/MVSU)                    | Research-Faculty            |
| 1992 (Summer)  | Joint Venture (JOVE/MVSU)                    | Research-Faculty            |
| 1991 (Summer)  | Johnson Space Center - Houston, TX           |                             |
| 1980-1990      | Mississippi Valley State University          | Associate Professor         |
| 1989-1990      | NASA GRANT/MVSU                              | Research-Faculty            |
| 1990(Summer)   | Johnson Space Center - Houston, TX           | Research-Faculty            |
| 1989(Summer)   | Johnson Space Center - Houston, TX           | Research-Faculty            |
| 1988(Summer)   | U. S. Army - Dugway, Utah                    | Computer Specialist         |
| 1987(Summer)   | Naval Research Lab. Washington, DC           | Research-Faculty            |
| 1984 & 1985    | Naval Air Station(U.S.Navy)                  | Research-Faculty            |
| 1983(Summer)   | Johnson Space Center ASEE-NASA               | Research-Faculty            |
| 1982(Summer)   | Johnson Space Center ASEE-NASA               | Research-Faculty            |
| 1980(Spring)   | Jackson State University                     | Asst. Prof. of Math         |
| 1980(Summer)   | U. S. Naval Oceanographics Office            | Faculty Intern              |
| 1977-1979      | University of Southern Miss                  | Teaching Fellowship         |
| 1969-1977      | Coahoma Junior College                       | Instructor of Math          |
| 1968-1969      | Harris Junior College                        | Instructor of Math          |

## PROFESSIONAL AND ACADEMIC MEMBERSHIPS

Mississippi Teacher of College of Mathematics School Science and Mathematics	(MTCM)
National Council of Teachers of Mathematics Journal for Research in Mathematics Education	(NCTM) (JRME)
America Society for Engineering Education	(ASEE)
Mathematics Association of America	(MAA)

## PROFESSIONAL ASSIGNMENTS AND ACTIVITIES

Chairman, Student Discipline Committee (University)  
Member, Research Committee (Department)  
Member, Advisement, Retention and Recruitment Committee (Department)  
Member, Curriculum Committee (Department)  
Advisor, Computer Science and Mathematics Majors  
Member, Rank, Tenure and Promotion Committee (University)  
Chairman, Faculty Search Committee (Department)

## RESEARCH

Entropy\_Jewel Data Compression Finite State System.  
A HyperCard User Interface Program for the Software Engineering Process Office (SEPO)  
Library  
A HyperTalk Search Program for Space Spinoff (1976-1992) Data Base  
A Customized Hypercard Search Program for the Space Educators Handbook  
Mass Estimating Algorithms for Advanced Manned Space Vehicle  
Cost Forecasting  
Cost Estimating Relationship (CERs) and Mass Estimating Relationships  
(MERS)  
Data Acquisition Division Analysis of HOC Radar Data  
Stability Analysis of Some Semiconductor Transport Equation  
An Analysis of ASVAB Test Scores on Achievement in Naval Training  
Schools ( U. S. Navy)  
A Study of Student Attrition in AX-Pipeline FY 1981-1982 U. S. Navy