

Dennis L. Bybee – Professional Resume

[March 2013]

Dr. Bybee holds a **Postgraduate Professional License** from the Commonwealth of Virginia with endorsements for: **HS Social Studies, HS Chemistry; HS Physics; HS Keyboarding, Mathematics-Algebra, Middle Education Grades 6-8 (Science); Middle Education Grades 6-8 (Mathematics); Adult Education; Administration and Supervision PreK-12; and, Division Superintendent. [2009 - 2014]**

Dr. Bybee currently teaches VA State History and all Fairfax County Public Schools' HS mathematics and science courses at Bryant Alternative High School's Landmark Career Academy [LCA] (e.g., Physics, Chemistry, Biology, Algebra I&II, Geometry, Trigonometry, Calculus). **LCA is a unique, FCPS' Alternative HS** operated as a student self-paced program. It is a shopping mall-based, high technology, open learning center administered by the separately accredited Bryant Alternative/Adult HS. **From SY 1999-00 through 2012-2013, Dr. Bybee:**

- o Served as the LCA Science & Math Department Chair (i.e., accomplishing department chair activities and attending FCPS District-wide Department Chair meetings);
- o Created and revised LCA computer-based, self-paced learning, Alternative Education Curricula for mathematics and science courses including Chemistry, Active Physics and FCPS geometry and algebra courses;
- o Taught HS Chemistry and Math T-Th 12hr/wk in the Bryant Alternative/Adult HS evening program;
- o Developed and managed the Bryant Alternative/Adult HS Mathematics by Computer Lab;
- o Served as Project Director for **"Closing the Gap – Bryant Chemistry by Computer" funded by Virginia Dominion Power and using Cyber-Ed's Multi-media Chemistry Learning Modules**
- o Developed 8-10 page study guides for each of the 16 modules in Plato's CyberEd Chemistry Series;
- o Studied use of vocabulary on Virginia's HS Chemistry End-of-Course (SOL-based) tests; identified keywords/phrases; created lists/glossary of most frequently used/most important words/phrases; and, developed cross-word puzzles for the 54 top words/phrases for each of the 5 Chemistry SOL Goals
- o Served as member of FCPS District-wide Science Curriculum Advisory Committee (2002-2006)
- o Served as School-board appointed member of the FCPS Science Textbook Adoption Committee (2004)
- o Discovered Relationship Between Electrical Conductivity and Rank Order of Elements According to their Electrical Conductivity and wrote/published papers on Electrical/Thermal Conductivity of Elements ('05-'06)
- o Created an FCPS approved **VA State History Course** using his Virginia History Series of 18 Power-point and *.pdf presentations with reference files and other materials for the period from 1584 to Present-day(2011).
- o **Put all materials for his Chemistry I courses on FCPS 24-7 Blackboard (5/11& 1/12).**
- o 2012 Created/Maintains "free" **Virginia State History materials web site at www.VirginiaHistorySeries.org**

During the Summer of 1999, Dr. Bybee taught Chemistry for FCPS Area I students at Edison HS. During school year 1998-99, Dr. Bybee worked full-time as a secondary substitute teacher in the Arlington and Fairfax County Public Schools.

From October 1996-September 1998, Dr. Bybee served as **Managing Partner** of the Inventing Tomorrow's Schools (ITS) consulting partnership. With Dr. James Mecklenburger, he helped develop ITS as a private **consulting group working for education and private industry groups on internet and educational technology projects**. ITS clients included the Regional Clusters of the National *Technology Innovation Challenge Grants Program, National Exchange Carriers Association, Quality Education Data, NET Schools Corp.*, and the *National Council of Educational Opportunity Associations*.

From July 1992 thru September 1996, Dr. Bybee served as the **Associate Executive Officer** of the American-based, 100,000+ member, *International Society for Technology in Education (ISTE)* with primary responsibility for *managing the USA National Policy Office in Washington, DC*. Dr. Bybee was a member of the Board of Directors and served as *President of the Association for Educational Data Systems*; and, in 1989, he was the **FOUNDING CO-PRESIDENT OF ISTE** – the largest professional education technology society in America.

On behalf of the Washington-based educational association community, Dr. Bybee **co-authored technology provisions of the Goals 2000 and National Challenge Grant legislation**; served as *founding Executive Director of the National Council on Technology in Education and Training (NCTET)* and directed development of the landmark NCTET education community position paper on *Telecommunications for Schools and Libraries*; and, worked for ISTE with ALA, NEA, NSBA, and CCSSO as the *principal lobbyist(s)/sponsor(s)* of educational telecommunications provisions in PL104-104 (i.e., working with the House & Senate on the Federal schools and libraries discounted “*E-rate*” for telephone and internet access.) This e-rate discount provides over \$2.25 billion each year in funding for telecommunications in schools, libraries and rural health care facilities throughout the United States.

From 1985 to 1992, Dr. Bybee served as **GM-15 Principal Assistant to Associate Director of DoDDS and Supervisory Computer Specialist** in charge of the Management Information Systems Division and Worldwide Telecommunications and Educational Computing Programs for the Department of Defense Dependents Schools (DoDDS) – then the 9th largest K-12 American School System operating over 270 schools in 17 different countries for the benefit of approximately 156,000 dependents of United States military and civilian personnel stationed overseas.

In 1992, Dr. Bybee received the coveted **Federal Leadership Interagency Award for Excellence in Computer Systems Development and Administration** for his work in developing and implementing microcomputer-based school administrative applications and for the transfer of this technology to the private sector as basic components of “**THE SCHOOL SYSTEM**” marketed by McGraw-Hill. Dr. Bybee held a number of management positions with increasing responsibility within DoDDS from the early 1970s and before his **early retirement from civil service in 1992**. Retrospectively, he served as:

- o **GM-15 Principal Assistant to the Associate Director for Personnel, Finance, and Logistics** in the DoDDS Headquarters office with responsibility for helping manage its \$1+ billion budget [1991-92]
- o **GM-15 Chief of Staff & Director, Executive Services Division, DoD Education Activity** [6mo 1991]
- o **GM-15 Chief of the DoDDS Headquarters Management Information Systems Division** [1985-91]
- o **GS-14 Chief, Supplementary Education Programs (i.e., PPS, ESOL, etc.), State Accreditation Program Manager** [1981-85], and **GS-13 Computer Education Program Coordinator** [1979-81] at the DoDDS HQ in Wash., DC
- o **GS-12 K-12 Mathematics and Computer Education Coord.** for DoDDS schools in Japan, Okinawa, Korea, and the Republic of the Philippines [1976-1979]
- o **GS-12 Supervising Principal** for HS completion programs in Japan and Korea; **Ass’t Chief and Curriculum Coordinator** of DoDDS-Pacific Adult Education; and **Wagner Adult HS Principal, Philippines**[‘72-‘76]

Dr. Bybee came to DoDDS-Pacific in 1970 as a teacher of science, mathematics, and career education from **Sanger, California where he was employed as a tenured teacher of physics and chemistry having taught successfully there from 1966-1970**. Dr. Bybee earned his B.A./M.S. degrees in chemistry from Fresno State College in 1965 and Purdue University in 1971. In 1979, he earned his **Ph.D. in Adult & Continuing Education/Educational Program Administration** from Michigan State University in East Lansing, Michigan.

Dennis Bybee is single and breeds Thoroughbred race horses at his **Bybee Road Farm in Charles Town, WV**. He was married to Rowena Joan Hoyal from 1966 to 1975 and had two children named Richard Leon Bybee and Jeffery Grant Bybee. Richard is single; but was married and has a daughter named Kolinda Star Bybee who lives in California. Both sons are now living/working on a farm they inherited in Mariposa, California.

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