

Curriculum Vitae

Johnston William Peeples, PhD, P.E.

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EDUCATION

University of South Carolina, May 1978

Ph.D., Electrical Engineering

Dissertation: *The Accelerating Nature of Electrical Bias on Moisture Induced Failures of MOS/LSI Devices*

University of South Carolina, May 1976

MSEE, Electrical Engineering

Thesis: *A Study of Electrical Contacts to Silicon Photovoltaic Devices Fabricated for Terrestrial Power Generation*

The Citadel, May 1970

BSEE, Electrical Engineering

PROFESSIONAL EXPERIENCE

1996 – 2006 Co-founder, board member and Chief Technical Officer of KryoTech, Inc.

Provided thought-leadership in technology development and intellectual property protection for KryoTech, a private company committed to becoming an industry leader in thermal management of electronics.

1991 – 1996 Assistant Vice President of Technology, NCR/AT&T Corporation.

Responsible for strategic technology planning and intellectual property protection for NCR Corporation. Directed the NCR Platform Technology Center (PTC) located in West Columbia, SC, which developed computer platform technologies for deployment across multiple lines of business. PTC was a central resource for system level modeling of new computer designs and for architectural expertise. This Center provided reverse engineering support supporting assertion of NCR Intellectual Property, and developed specific technologies for broad application.

1989 – 1991 Director of Engineering, NCR E&M-Columbia.

Directed a staff of 135 engineers and technicians and a \$35M R&D budget to design and test multiprocessing computer systems. Promoted early adoption of CAE tools for circuit design and simulation.

Introduced a culture of first pass ASIC design success through extensive simulation.

1987 – 1989 Director of Operations, NCR E&M-Columbia

Lead NCR's largest and most profitable manufacturing facility. Responsibilities included component procurement, manufacturing, testing and shipping of computer systems and electronic subassemblies. Directed nearly 600 engineers, business professionals and manufacturing associates who produced more than \$600M of corporate revenue annually.

1985 – 1987 Manager of Advanced Systems Development

Lead a 35-engineer team in the development of the NCR Tower 32/200, an advanced, briefcase-size, four-user UNIX computer based on the Motorola 68020 microprocessor.

1976 – 1985 *Other NCR positions* Product Evaluation Engineering Department Manager, Reliability Engineering Department Manager, Component and Design Engineer

1978 – 1999 *U. of South Carolina, Adjunct Professor, Electrical and Computer Engineering.* Taught undergraduate and graduate engineering courses. Participated in the development and piloting of U101E, an initial engineering course designed to address freshman orientation issues without neglecting the content specific to the initial engineering course. Other courses taught include Linear Circuits, Electronic Materials, Electronic Packaging, and VLSI Design at the graduate level. Experienced in classroom and APOGEE (closed circuit TV-based) teaching.

1970 – 1973 *United States Air Force, Electronic Comm. Officer, 1st Lieutenant*

1970 *Westvaco Corporation, Charleston, SC, Technical Service Engineer*

ENGINEERING EDUCATION PROFESSIONAL EXPERIENCE

July 2015 – Present *Professor of Electrical and Computer Engineering at The Citadel, The Military College of South Carolina.* Teach four or more courses per semester to cadets and evening students pursuing a degree in Electrical Engineering.

2003 – July 2015 *Professor and Department Head of Electrical and Computer Engineering at The Citadel, The Military College of South Carolina.* Directed and supported the efforts of the department's seven full-time faculty and two staff members to provide ABET accredited electrical and computer engineering education to approximately 140 undergraduate students. Taught two courses per semester.

August 1999 – 2003 *Professor of Electrical and Computer Engineering at The Citadel, The Military College of South Carolina.* Personal emphasis areas included the freshman engineering experience, digital circuits and systems, energy systems and the senior capstone experience. Contributed to the development of Citadel 101 and its adaptation to the entry-level engineering courses. Introduced ELEC 419, Computer Network Architecture and Energy Systems Engineering as senior electives. Founded and serve as secretary to the Electrical and Computer Engineering Advisory Board. Procured donation of more than \$50,000 worth of analytical for The Citadel's Chemistry Department. Numerous professional, institutional and student activities.

PROFESSIONAL SERVICE

January 2018 – present *Vice Chair, SC Board of Registration for Professional Engineers and Professional Land Surveyors.*

January 2015 – present *Member, SC Board of Registration for Professional Engineers and Professional Land Surveyors.* Serve as a constitutional officer for the state of South Carolina to develop and advocate laws governing the practice of Engineering in the state and to prosecute violations to these laws.

2006 – present *Electrical Engineering Portfolio Review Committee for the SC Board of Engineers and Land Surveyors.* Meet as required to assess applications of professional engineers to practice in South Carolina. Findings are forwarded to the SC State Board of Registration for Professional Engineers and Surveyors for action.

- 2019 – present *Organizing Committee, SEMITHERM Advanced Technical Workshop on Thermal Management.* Work with 6 other industry expert to plan, solicit papers for and run a premier workshop on the subject of thermal management in high performance electronics.
- 2003 – 2018 *Organizing Committee, International Microelectronics and Packaging Society (IMAPS) Advanced Technical Workshop on Thermal Management.* Worked with 6 other industry expert to plan, solicit papers for and run a premier workshop on the subject of thermal management in high performance electronics.
- 2000 – present *Committee on the Governor's Award for Excellence in Science.* Nominate, review and select South Carolina secondary and higher education researchers for monetary awards in recognition of their contribution to science.
- 1996 – present *Board of Directors of MMR Technologies, Mountain View, CA*
- 2010 – 2012 *Wade Hampton High School Pre-Engineering Advisory Committee.* Engineering college representative on committee responsible for oversight and support of the pre-engineering programs offered at Wade Hampton High school.
- 2004 – 2017 *Electrical and Computer Engineering Department Heads Association.* Met annually to share best practices and discuss concerns among nearly 350 north American member institutions.
- 2004 – 2015 *Southeastern Committee for Excellence in Engineering Education, Director.* Duties included stewardship of an endowment, and review of proposals to select young faculty for research funding.
- 2004 – 2015 *Southeastern Electrical and Computer Engineering Department Heads Association.* Met annually to share best practices and discuss concerns among 44 member institutions in the southeast region. Serving president in 2010.
- 2001- 2004 *Charleston County Pre-Engineering Advisory Committee.* Engineering college representative on committee responsible for oversight and support of the pre-engineering programs offered in Charleston County public schools.
- 2001 – 2003 *Advisory Committee, SC Board of Registration, Engineers/Land Surveyors.* Charter member on this committee formed to consider and advise with respect to legislative and procedural issues concerning engineering and surveying licensure in the state of South Carolina. This includes a campaign to inform engineering students of the role of licensing in the engineering profession.
- 1993 – 1999 *University of South Carolina College of Engineering.* Member of Industrial Advisory Board for ECE. Served one year as Chairman. Resigned as member of the combined Partnership and Advisory Board for the College of Engineering upon joining The Citadel engineering faculty.
- 1997 – 1999 *Gateway Engineering Education Coalition Advisory Board.* Advisory board member of a seven-university consortium working under NSF funding to enhance the infrastructure of engineering education in response to the belief that engineering education lags industry needs. Addressed content and delivery methods to keep engineering education agile and vital in the 21st Century.

1994 – 1996 *The South Carolina Science Curriculum Framework Writing Team.* Appointed as the industrial member of the Science Framework Writing team by Dr. Barbara Nielson, SC Superintendent of Education. Worked with 20 primary, secondary and higher education educators to compose a framework for science education to serve South Carolina public schools into the next millennium. The framework was published under Dr. Neilson's signature in November 1996.

1993 – 1995 *Japanese Technology Evaluation Team for Electronic Packaging.* Surveyed low cost electronic packaging technology in Japan in October 1993. Final report on US competitiveness issued in February 1995. Sponsored by NSF, DARPA, NASA and the United States Department of Commerce.

1990 – 1995 *Georgia Tech Manufacturing Research Center.* As Chairman of the Packaging Research Center Advisory Board at Georgia Tech, assisted the Center's Director and Petite Chair of Engineering, Dr. Rao Tumalla in securing a National Science Foundation Engineering Research Center Award valued at over \$30M.

1977 – 1987 *IEEE International Reliability Physics Symposium.* Authored several papers for this prestigious technical meeting. Served on the management committee in various capacities, including General Chairman in 1985 and Chairman of the Board of Directors in 1986.

Continuous Public Speaker. Technical presenter at domestic and international conferences on electronics and computers. Frequent speaker at sectional society meetings and at local high schools.

INSTITUTIONAL SERVICE

Standing Committees

2016 – Present, Tenure and Promotions Appeals Committee

2016 – 2017, Scholarship Committee

2003 – June 2015, Academic Board

2000-2001, Scholarship Committee

2000-2003, Faculty Development Committee

Special Committees

Spring-Fall 2018, Chair, Provost Search Committee

Fall 2016, School of Business T&P Committee, Outside Committee Person

Fall 2016, Career Center Director Search Committee, Dr. Ron Green, Chair

Spring 2012, Institutional Program Assessment Committee, Drug and Alcohol Abuse

Fall 2010, Disciplinary Board of Review, Recorder

Fall 2009, Academic Leadership Committee, Dr. Harry Carter, Chair

Fall 2006, Provost Search Committee, Dr. Mark Bebensee, Chair

Spring 2005, Commandant Search Committee, Dr. Harry Carter, Chair

Spring 2004, Summer School Committee

Spring 2003 Ethics and Leadership Committee, Dr. Earl Walker, Chair

Summer 2000 First Year Experience Committee, Dean Suzanne Ozment, Chair

Other Institutional Service

Founder and Secretary of the ECE Department Advisory Board

Multiple CAC and ABET workshops

Citadel Sailing Club Advisor

HONORS AND AWARDS

Robert M. Janowiak Outstanding Leadership and Service Award, ECEDHA (the Electrical and Computer Engineering Department Head Association), 2018

Lawton-Ellis Teaching Award, Department of Electrical and Computer Engineering, The Citadel AY 2014-2015.

Distinguished lecturer, Florida International University, ECE Graduate Seminar Series, fall 2014

Distinguished lecturer, Santee Cooper Engineering Seminar, summer 2013 and 2014

Distinguished lecturer, Microelectronics Center, Georgia Tech, summer 2004

Distinguished lecturer, Alabama Microelectronics Science and Technology Center, Auburn University, fall 2001

Tau Beta Pi Engineering Honor Society

R&D Outstanding Technical Achievement Award, NCR Corporation, 1981

Outstanding Paper Award, 1980 IEEE International Reliability Physics Symposium

PROFESSIONAL AFFILIATIONS

Licensed Professional Engineer, South Carolina, No. 6275

Accredited Marine Surveyor (retired)

Lifetime and Senior Member of the Institute of Electrical and Electronic Engineers

American Society for Engineering Education, member

International Microelectronics and Packaging Society, past member

American Institute of Aeronautics and Astronautics, past member

American Society of Mechanical Engineers, past member

PATENTS

#5,359,170 Apparatus for Bonding External Leads of an Integrated Circuit

#6,054,676 Method and Apparatus for Cooling An Integrated Circuit Device

PUBLICATIONS

Dissertations

Peebles, J. W., "The Accelerating Nature of Electrical Bias on Moisture Induced Failures of MOS/LSI Devices", Ph.D. Thesis, 1978, The University of South Carolina, College of Engineering.

Peebles, J. W., "A Study of Electrical Contacts to Silicon Photovoltaic Devices Fabricated for Terrestrial Power Generation", Masters Thesis, 1976, The University of South Carolina, College of Engineering.

Book Chapters

Peebles, J. W., et al, Edited by William R. Boulton, Electronic Manufacturing and Packaging in Japan, International Technology Research Institute, Loyola College in Maryland, February 1995, chapter 7, pp 127-146.

Peeples, J. W. et al, Edited by John Lau, Handbook of Fine Pitch Surface Mount Technology, Van Nostrand Reinhold, New York, 1994, Chapter 13, pp 411-442.

Journal Articles

Peeples, J. W., DiGiacomo, J. A. and Craps, T., “Development of Board Level Tape Automated Bonding (TAB) Assembly Processes”, *Journal of Surface Mount Technology*, 1992

Peeples, J. W. and Every, T. J., “Electrical Bias Level Influence on the THB Test Results of Plastic Encapsulated NMOS 4K RAMs”, *IEEE Transactions on Electron Devices*, Vol. ED-26, No. 2, February 1979.

Significant Self-Studies

Peeples, J. W. and Barsanti, R. J., *ABET Self-Study Report for the Electrical Engineering Program at The Citadel*, July 1, 2014.

Peeples, J. W. and Jerse, T. A., *ABET Self-Study Report for the Electrical Engineering Program at The Citadel*, July 1, 2008.

Askins, H. W. and Peeples, J. W., *ABET Self-Study Report for the Electrical Engineering Program at The Citadel*, July 1, 2002.

Refereed Publications in Conference Proceedings

Peeples, J.W., “Energy 2050, A Call for Macro-Scale Thermal Managers”, *Proceedings of the ATW on Thermal Management*, International Microelectronic and Packaging Society, Los Gatos, CA, November 6-8, 2018

Peeples, J.W., “Transportation Energy Consumption, No Easy Answer”, *Proceedings of the ATW on Thermal Management*, International Microelectronic and Packaging Society, Los Gatos, CA, November 6-8, 2018

Peeples, J.W., “Small Things to Enhance Capstone Success”, *Proceedings of the 2016 Capstone Design Conference*, The Ohio State University, June 6-8, 2016.

Peeples, J.W., “Why I want to be an Engineer”, *Proceedings of the Frontiers in Education 36th Annual Conference*, San Diego, CA, October 28-31, 2006.

Peeples, J. W., et al, "Thermal Challenges in Next Generation Computer, Telecommunications and Military Electronic Equipment", panel presentation and discussion, *Proceedings of IITHERM 2004*, Las Vegas, NV.

Peeples, J. W., “Capacity Control in Refrigerated Systems”, *Proceedings of InterPack 2003*, American Society of Mechanical Engineers, July 6-11, 2003.

Peeples, J.W., “Temperature Control of Vapor Compression Based Cooling Systems”, *Proceedings of the ATW on Thermal Management of High Performance Computing and Telecon/Wireless Applications*, International Microelectronic and Packaging Society, October 23-25, 2002.

Peeples, J.W., “Application of Vapor Compression Cooling in High Performance Electronics”, *Electronics Cooling Magazine*, vol. 7, no. 3, pp 16-24, August 2001.

- Peeples, J. W., “Mechanically Assisted Cooling for High Performance Applications”, *Proceedings of InterPack 2001*, American Society of Mechanical Engineers, July 8-13, 2001.
- Peeples, J. W., “Teamwork in Engineering Education, Know the SCORE”, *Proceedings of the 2001 ASEE Southeastern Sectional Meeting*, American Society of Engineering Educators, April 1-3, 2001.
- Peeples, J. W. “Low Temperature Electronics Workshop”, *Proceedings of SemiTherm XVI*, Institute of Electrical and Electronic Engineers, San Jose, CA, March 21, 2000.
- Peeples, J. W. “High Performance Computing, Thermal Design is the Difference”, *SemiTherm 1999*, March, 1999, San Diego, CA
- Peeples, J.W., “The Application of Vapor Compression Refrigeration to ULSI Thermal Management”, *Commercialization of Cryoelectronics technologies in Microelectronics*, The Knowledge Foundation, San Francisco, CA, February 19, 1999.
- Peeples, J. W. “The Deskside Supercomputer”, *Advances in Cryogenic Engineering*, 1998, Vol. 43a, pp 849-856.
- Peeples, J. W. “Low Cost Cryo-Computing!?” , *Proceedings of the Second DARPA Conference on Military and Commercial Applications of Low Cost Cryocoolers (MCALC-II)* San Diego, CA, January 16, 1998
- Peeples, J. W. et al, published by Nielsen, B. S., *South Carolina Science Framework*, SC Department of Education, November 1996
- Peeples, J. W., et al, Edited by William R. Boulton, Electronic Manufacturing and Packaging in Japan, International Technology Research Institute, Loyola College in Maryland, February 1995.
- Peeples, J. W. et al, “JTEC Panel Report on Electronic Manufacturing and Packaging in Japan”, *IEEE/CPMT International Electronics Manufacturing Technology Symposium*, 1994, pp 96-102.
- Peeples, J. W. and Wilkins, J., “High Pin Count Packaging, Selecting the Right One!”, *Proceedings of the Technical Conference, International Electronic Packaging Conference*, 1993, pp 295-303.
- Peeples, J. W., “High Pin Count Packaging: Deriving Order from Chaos”, *Proceedings of the Technical Program, Surface Mount International*, 1993, pp 313-319.
- Peeples, J. W., DiGiacomo, J. A. and Craps, T., “Development of Board Level Tape Automated Bonding (TAB) Assembly Processes”, *Proceedings of the Technical Program, Surface Mount International*, 1991, pp 16-25.
- Peeples, J. W., “An Evolution of SMT: Hotbar Soldering”, *Proceedings of the Technical Program, NEPCON West '91*, 1991, pp 742-748.
- Peeples, J. W. and Every, T. J., “Parametric Influences on System Soft Error Rates”, *Proceedings of the 1980 International Reliability Physics Symposium*, 1980, pp 255-260.
- Peeples, J. W., “Influence of Electrical Bias Level on 85/85 Test Results of Plastic Encapsulated 4K RAMs”, *Proceedings of the 1978 International Reliability Physics Symposium*, 1978, pp 154-160.

Peeples, J. W. and Hilborn, R. B. Jr., “Electrical Contact for Terrestrial Silicon Solar Cells”, *Proceedings of the 1976 IEEE Southeastern Conference and Exhibit*, 1976, pp. 150-152.

INVITED TALKS SINCE JOINING THE FACULTY

“Engineering Licensure, From Point A to P.E.”, presented to all Engineering Science students and faculty, Coastal Carolina University, Conway, SC, September 13, 2019.

“Engineering Licensure, From Point A to P.E.”, presented to the IEEE, Coastal South Carolina Section, Goose Creek, SC, May 13, 2019.

“Radio”, presented to the Trident Amateur Radio Club, North Charleston, SC, February 18, 2019

“Energy 2050, Policy or Technology”, Carolinas Engineering Conference, Myrtle Beach, SC, June 8, 2019.

“Energy 2050”, Santee Cooper Engineers’ Conference, Trident Technical College, June 6, 2018

“Professional Engineering in South Carolina”, Santee Cooper Engineers’ Conference, Trident Technical College, June 6, 2017

“Transportation Energy Usage, an Increasing Problem with No Easy Answer”, Santee Cooper Engineers’ Conference, Trident Technical College, June 6, 2017

“75 Years of Electrical Engineering Education at The Citadel”, The Regimental Commanders Riverview Room, The Citadel, March 3, 2017

“A Very Short Course on Energy Options to Fuel Transportation”, Santee Cooper Engineers’ Conference, Trident Technical College, June 2, 2015

“A Very Short Course on Energy Options for Electric Power”, Santee Cooper Engineers’ Conference, Trident Technical College, June 2, 2015

“Engineering Your Research”, ECE Distinguished Lecturer, Florida International University, October 17, 2014

“More on Photovoltaic Energy Conversion, Resources, Theory and Practice”, Santee Cooper Engineers’ Conference, Trident Technical College, June 10, 2014

“Photovoltaic Energy Conversion, Resources, Theory and Practice”, Santee Cooper Engineers’ Conference, Trident Technical College, June 11, 2013

Burke High School Lunch-N-Learn, “What is an Engineer”, November 2008.

“Best Practices for Industrial Advisory Boards”, Southeastern Electrical and Computer Engineering Department Head Association, Atlanta, GA November 7, 2008

Panel Member, “Advanced Cooling Technology”, 5th International Energy Conversion Engineering Conference, St. Louis, MO, June 25, 2007.

“Senior Design at The Citadel”, 2005 Southeastern ECE Department Heads Meeting, Georgia Tech, Atlanta, GA, November 2005.

“KryoTech, the Future is Cool”, Kaufman Foundation-sponsored Fasttrac program for entrepreneurs, October 28, 2003, repeated in fall 2004 and February 28, 2005.

“Computers for Dinosaurs”, Society of Accredited Marine Surveyors Annual Educational Symposium, Norfolk, VA, October 2004.

Keynote speaker and Only Invited Outside Participant, Norfolk State Engineering Faculty Advance in anticipation of ABET Accreditation, “Good, Better, Best; Engineering Education in the 21st Century”, Norfolk State University, October 15, 2004.

Distinguished Lecturer, “Microelectronics Thermal Management” Georgia Institute of Technology, Microelectronic Research Center, August 10, 2004.

“Overview of The Citadel Electrical and Computer Engineering Program”, Duke Energy Distinguished Scholar Symposium, Charlotte, NC, November 20, 2002.

Distinguished Lecturer, “Vapor Compression Cooling of High Performance Semiconductor Devices, Auburn University Advanced Microelectronics Science and Technology Center, November 14, 2001.

“Teamwork in Engineering, Know the SCORE”, ASEE Southeastern Regional Conference, The Citadel, Spring 2001

"Advances in Thermal Design of High Performance Computers", IEEE Coastal South Carolina Section Meeting, November 17, 1999.

GRANT PROPOSALS AND AWARDS

Peebles, J. W., National Science Foundation “ECE Vision, Advocacy and Branding Workshop”, January 20-21, 2016, Georgia Tech Hotel, Atlanta, GA. Expenses, Awarded.

Peebles, J. W., Office of Naval Research Fellow, Summer 2012, SPAWAR- Atlantic, Charleston, SC. \$12,000, Awarded.

Peebles, J. W., Citadel Foundation Grant for Phase II of the study of the “Application of a Miniature Vapor Compression Apparatus for Energy Efficient Cooling of High Performance Electronic”. \$3,000, Awarded.

Peebles, J. W., National Science Foundation “NSF Energy and Power Workshop” July 8-12, 2011, Georgia Tech Hotel, Atlanta, GA. Expenses, Awarded.

Peebles, J.W., Citadel Foundation, Faculty Research Grant to study the “Application of a Miniature Vapor Compression Apparatus for Energy Efficient Cooling of High Performance Electronic”. \$3,000, Awarded.

Peebles, J.W., Citadel Foundation, Faculty Development Grant to attend and participate as a panel member at the 2007 7th International Conference on Energy Conversion Engineering, sponsored by the American Institute of Aeronautics and Astronautics, Denver, CO. \$2,227, Awarded.

Peebles, J.W., Citadel Foundation, Faculty Development Grant to attend and participate as a panel member at the 2008 6th International Conference on Energy Conversion Engineering, sponsored by the American Institute of Aeronautics and Astronautics, Cleveland, OH. \$1,940, Awarded.

Peeples, J.W., Citadel Foundation, Faculty Development Grant to attend and participate as a panel member at the 2007 5th International Conference on Energy Conversion Engineering, sponsored by the American Institute of Aeronautics and Astronautics, St. Louis, MO. \$1,800, Awarded.

Peeples, J.W., Citadel Foundation, Professional Organization Grant, International Microelectronics and Packaging Society, Advanced Technical Workshop on Thermal Management in High Performance Electronics. \$2,000 in 2006 and \$2,000 in 2007, \$2,725 in 2008 and 2,975 in 2009, Awarded all years.

Peeples, J.W., Citadel Foundation, Presentation of Research Grant, “Why I want to be an Engineer”, presented at the 2006 Frontiers of Education Annual Meeting, San Diego, CA. \$1,900, Awarded.

Peeples, J.W., Hewlett Packard Corporation “Technology for Teaching” Grant Initiative, February 23, 2006. \$70,000 for a tablet computer based classroom. *Not awarded*

Peeples, J.W., Citadel Foundation, Presentation of Research Grant, “Capacity Control of Refrigerated Systems”, presented at the 2003 International Electronic Packaging Conference and Exhibit, Maui, HI. \$2,900, Awarded.

Peeples, J.W., Citadel Foundation, Presentation of Research Grant, to Chair a panel on “Thermal Management of High Performance Computing”, at the 2002 IMAPS Thermal ATW, Palo Alto, CA. \$1,600, Awarded.

Peeples, J.W., Citadel Foundation, Presentation of Research Grant, “Mechanically Assisted Cooling for High Performance Applications”, presented at the 2001 International Electronic Packaging Conference and Exhibit, Kauai, HI. \$2,500, Awarded.

Peeples, J. W., “A Proposal to Develop Innovative Techniques for Cooling Semiconductor Computer Chips to Cryogenic Temperatures”, Naval Research Laboratory Broad Agency Announcement 02-97, Submitted May 1, 1997. 2 year/\$1.2M. Awarded Sept. 15, 1997.

Peeples, J. W. and DiGiacomo, R. M, “Very Cool Computing, A Proposal to Develop and Market the First Commercially Viable Cryo-Computer”, National Institute of Standards and Technology, Advanced Technology Program, 97-1 program cycle, March 14, 1997. 2 year/\$2.0M, *not awarded*.

Peeples, J. W. and DiGiacomo, R. M, “Development of a Commercially Viable Cryo-Computer”, National Institute of Standards and Technology, Advanced Technology Program, 96-1 program cycle, October 10, 1996. 2 year/\$2.0M, *not awarded*.

PERSONAL

US Citizen,
Married to Nancy Doscher Peeples of Charleston, SC
Two adult children, three grandchildren
Good Health