

ADVISORY BOARD-COMMITTEE REGULAR MEMBERSHIP BALLOT

NAME: **GAINESVILLE ENERGY ADVISORY COMMITTEE**

Openings: **Three (3) Openings**
Applications: **Nine (9) applications**

#050681 ~~11~~
 11/28/05

PLEASE *Initial* YOUR SELECTION

Requirement: City Residency Not Required
Expiration: Three (3) Terms to Expire September 30, 2995

NAME OF APPLICANT	COMM Braddy	COMM Bryant	COMM Chestnut	COMM Donovan	COMM Lowe	COMM Nielsen	CHAIR Hanrahan
Kathy Cantwell			e	e	e	e	e
Aaron T. Dossey							
Joel S. Islam (Reappointment)	e	e	e	e		e	e
Mark R. Lawrence							
Terri R. Lowery				e	e		e
Raymond S. Miller	e	e					
Harold W. Saive			e				
William A. Van Dyke	e	e			e		
Walter Willard						e	
READVERTISE FOR ADDITIONAL APPLICANTS							

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City Commission Board/Committee Application

Submitted on: (Tuesday, September 20, 2005 at 7:09:09 PM)

Boards Applied For:

Gainesville Energy Advisory Committee - Meeting Date:

Personal/Contact Information

Name: Kathy Cantwell
Address:

Home Phone:
Work Phone:
E-mail Address: KACMD@AOL.COM

Occupation: RETIRED MD
Race: Caucasian
Sex: Female
Miscellaneous Information:

Experience/Training Information

Related to Board/Committee:

I AM A RETIRED FAMILY PRACTICE PHYSICIAN AND SEVERAL YEAR ACTIVIST IN THE SIERRA CLUB, SUSTAINABLE ALACHUA COUNTY AND WOMEN FOR WISE GROWTH. I WAS A MEMBER OF THE AIR QUALITY COMMISSION OF ALACHUA COUNTY AND AM VERY FAMILIAR WITH PROBLEMS RELATED TO AIR QUALITY AND ENERGY PRODUCTION.

Educational Background:

MD UNIVERSITY OF FLORIDA AS WELL AS RESIDENCY

Professional Organizations:

References:

PEGEEN HANRAHAN, MAYOR, CITY OF GAINESVILLE
WARREN NIELSEN, CITY COMMISSIONER, GAINESVILLE

Background Information

Contacted Mayor Hanrahan:[E-mail,]
Contacted Commissioner Braddy:[E-mail,]
Contacted Commissioner Bryant:[E-mail,]
Contacted Commissioner Chestnut:[E-mail,]
Contacted Commissioner Donovan:[E-mail,]
Contacted Commissioner Lowe:[E-mail,]
Contacted Commissioner Nielsen:[E-mail,]

Question 1 (City Resident?): Yes
Question 2 (Commission Relative?): No

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City Commission Board/Committee Application

Submitted on: (Saturday, October 08, 2005 at 5:29:10 PM)

Boards Applied For:

Gainesville Energy Advisory Committee

Meeting Date:

Personal/Contact Information

Name: Aaron T Dossey

Address:

Home Phone:

Work Phone:

E-mail Address: jdpcwboy@ufl.edu

Occupation: Graduate Student

Race: Caucasian

Sex: Male

Miscellaneous Information:

Experience/Training Information

Related to Board/Committee:

Educational Background:

Bachelor of Science Degree in Biochemistry and Molecular Biology Cum Laude

Professional Organizations:

References:

Dr. Arthur S. Edison, 352-392-3109

Background Information

Contacted Mayor Hanrahan:[No data entered]

Contacted Commissioner Braddy:[No data entered]

Contacted Commissioner Bryant:[No data entered]

Contacted Commissioner Chestnut:[No data entered]

Contacted Commissioner Donovan:[No data entered]

Contacted Commissioner Lowe:[E-mail,]

Contacted Commissioner Nielsen:[No data entered]

Question 1 (City Resident?): Yes
Question 2 (Commission Relative?): No

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Applicant's Location

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[http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=3751
SW 20th AVE&zip=32607&country=us&zoom=5](http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=3751SW%2020th%20AVE&zip=32607&country=us&zoom=5)

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Technical Data

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This message was generated on the City of Gainesville Website.
User IP address: 152.163.100.136
Client software: Mozilla/4.0 (compatible; MSIE 6.0; AOL 9.0; Windows NT 5.1; SV1)

City Commission Board/Committee Application

Submitted on: (Wednesday, October 12, 2005 at 5:17:00 PM)

Boards Applied For

Energy Advisory Committee

(Meeting Date:). *Reappointment*

Personal/Contact Information

Name: Joel S Islam

Address:

Home Phone:

Work Phone:

E-mail Address: jislam@ffsinc.com

Occupation: President, Florida Food Service

Race: Caucasian

Sex: Male

Miscellaneous Information:

Experience/Training Information

Related to Board/Committee: Educational Background: 1990 BS BA Finance University of Florida

Professional Organizations:

References:

Brent Christensen 334-7135

Ed Jennings 955-6232

Background Information

Contacted Mayor Hanrahan:[No data entered]

Contacted Commissioner Braddy:[No data entered]

Contacted Commissioner Bryant:[No data entered]

Contacted Commissioner Chestnut:[No data entered]

Contacted Commissioner Donovan:[No data entered]

Contacted Commissioner Lowe:[No data entered]

Contacted Commissioner Nielsen:[No data entered]

Question 1(City Resident?): Yes

Question 2 (Commission Relative?): No

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Applicant's Location
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[http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=1724 NW 51 Terrace&zip=32605&country=us&zoom=5](http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=1724%20NW%2051%20Terrace&zip=32605&country=us&zoom=5)

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Technical Data
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This message was generated on the City of Gainesville Website.
User IP address: 209.251.131.179
Client software: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1)

City Commission Board/Committee Application

Submitted on: (Tuesday, September 20, 2005 at 1:19:15 PM)

Boards Applied For:
Gainesville Energy Advisory Committee
Meeting Date:

Personal/Contact Information

Name: Mark R Lawrence
Address:

Home Phone:
Work Phone:
E-mail Address: lawrenmr@sbac.edu

Occupation: Food Service Manager, Chef
Race: Caucasian
Sex: Male
Miscellaneous Information:

Experience/Training Information

Related to Board/Committee:
Member of the Social Justice Committee at the United Church of Gainesville.

Educational Background:
Bachelors degree in Hospitality from Florida International University.

Professional Organizations:
Past President of the Alachua County School Food Service Association from 1996-1997.

References:
Gordon Lawrence 377-9343
Cristine Hirsch 386-462-5002

Background Information

Contacted Mayor Hanrahan:[No data entered]
Contacted Commissioner Braddy:[No data entered]
Contacted Commissioner Bryant:[No data entered]
Contacted Commissioner Chestnut:[No data entered]
Contacted Commissioner Donovan:[No data entered]
Contacted Commissioner Lowe:[No data entered]
Contacted Commissioner Nielsen:[No data entered]

Question 1 (City Resident?): No
Question 2 (Commission Relative?): No

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City Commission Board/Committee Application

Submitted on: (Monday, October 31, 2005 at 3:13:45 PM)

Boards Applied For:

Gainesville Energy Advisory Committee

Meeting Date:

Personal/Contact Information

Name: Terri R Lowery

Address:

Home Phone:

Work Phone:

E-mail Address: tlowery@jonesedmunds.com

Occupation: Vice President - Client Services

Race: Caucasian

Sex: Female

Miscellaneous Information:

Experience/Training Information

Related to Board/Committee:

I have worked for an Environmental Engineering and Consulting firm for 16 years serving predominantly Florida cities and counties. This experience has provided insight into the challenges facing local government and access to decision-makers statewide to serve as resources to the City of Gainesville. Additionally, my firm Jones Edmunds & Associates, Inc. is an active member of the U.S. Green Building Council, the nation's leading coalition of corporations, builders, universities, government agencies and non-profit organizations working together to promote buildings that are environmentally responsible, profitable and healthy places to live and work. We have staff members who are LEED (Leadership in Energy and Environmental Design) accredited. These are tremendous resources when looking at the viability of alternative energy solutions.

Additionally, my husband is a LEED-accredited mechanical engineer with 10 years experience in the field of energy engineering. My home has become a demonstration project for various energy efficient technologies.

This is an area of significant interest to me both personally and professionally and an issue that is critical to us locally and nationally.

Educational Background:

B.S. Business Administration, 1986, University of Florida

Professional Organizations:

Leadership Gainesville Alumni Association Florida League of Cities, Corporate Representative Florida Association of Counties, Corporate Representative Florida City and County Management Association, Corporate Representative Florida Chamber of Commerce, Corporate Representative

References:

Representative Dwight Stansel, 386-758-0480 or 850-488-9835 Mr. Brent Christensen, Gainesville Area Chamber of Commerce, 352-334-7105 Mr. Carl Harness, Former Assistant City Manager, 813-301-7199 Mr. David Welch, GRU, 352-334-3500x6727

Background Information

- Contacted Mayor Hanrahan:[No data entered]
- Contacted Commissioner Braddy:[No data entered]
- Contacted Commissioner Bryant:[No data entered]
- Contacted Commissioner Chestnut:[No data entered]
- Contacted Commissioner Donovan:[No data entered]
- Contacted Commissioner Lowe:[No data entered]
- Contacted Commissioner Nielsen:[No data entered]

Question 1 (City Resident?): No
Question 2 (Commission Relative?): No

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Applicant's Location
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<http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=4742 SW 88th Drive&zip=32608&country=us&zoom=5>

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Technical Data
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This message was generated on the City of Gainesville Website.
User IP address: 209.208.11.212
Client software: Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322)

City Commission Board/Committee Application

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Submitted on: (Monday, October 03, 2005 at 10:28:20 AM)

Boards Applied For:

Gainesville Energy Advisory Committee

Meeting Date: 2004-2005 Student Adjunct

Personal/Contact Information

Name: Raymond S Miller

Address:

Home Phone:

Work Phone:

E-mail Address: rayscottmiller@aol.com

Occupation: Student

Race: Caucasian

Sex: Male

Miscellaneous Information:

Experience/Training Information

Related to Board/Committee:

I have sat on the GEAC as a student adjunct member for the previous year. Attended all meetings and have developed a strong relationship with all members. I have worked with the City Commissioners and the Mayor with many things including the development and execution of "The Intern." I have recieved the Key to the City of Gainesville for this work.

Educational Background:

I have graduated from Sant Fe Community College and I currently attend UF \

Professional Organizations:

Phi Theta Kappa, Student Government

References:

Dr. Jackson Sasser 352-395-5000

Guy York 352-395-5000

Dr. E.T. York 352 392-6545

Background Information

Contacted Mayor Hanrahan:[No data entered]
Contacted Commissioner Braddy:[No data entered]
Contacted Commissioner Bryant:[No data entered]
Contacted Commissioner Chestnut:[No data entered]
Contacted Commissioner Donovan:[No data entered]
Contacted Commissioner Lowe:[No data entered]
Contacted Commissioner Nielsen:[No data entered]

Question 1 (City Resident?): Yes
Question 2 (Commission Relative?): No

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Applicant's Location
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[http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=5619
NW 23rd Avenue&zip=32606&country=us&zoom=5](http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=5619NW%2023rd%20Avenue&zip=32606&country=us&zoom=5)

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Technical Data
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This message was generated on the City of Gainesville Website.
User IP address: 70.171.23.29
Client software: Mozilla/4.0 (compatible; MSIE 6.0; America Online Browser 1.1;
Windows NT 5.1; SV1; .NET CLR 1.1.4322)

City Commission Board/Committee Application

Submitted on: (Tuesday, September 20, 2005 at 9:48:56 AM)

Boards Applied For:

Gainesville Energy Advisory Committee (GEAC)

Meeting Date: 9/20/2005

Personal/Contact Information

Name: Harold W Saive

Address:

Home Phone:

Work Phone:

E-mail Address: Publisher@TownSquareNews.com

Occupation: Multimedia Engineer

Race: Caucasian

Sex: Male

Miscellaneous Information: Online Publication, PR, advertising.

Experience/Training Information

Related to Board/Committee:

Autodidactic research of energy science and political issues related to sustainable, affordable sources for current and future electrical generation.

Educational Background:

Electronic Application, Assoc. Degree Medical Technology, Certificated course work Music, Liberal Arts

Professional Organizations:

References:

Dave Bruderly, Engineer. 352-377-0932

Jerry Rose, Ph.D. 352-378-8858

Mac McEachern 352-376-2353

Background Information

Contacted Mayor Hanrahan:[Appointment,E-mail,]

Contacted Commissioner Braddy:[No data entered]

Contacted Commissioner Bryant:[No data entered]

Contacted Commissioner Chestnut:[Appointment,E-mail,]

Contacted Commissioner Donovan:[Appointment,E-mail,]

Contacted Commissioner Lowe:[Appointment,E-mail,]

Contacted Commissioner Nielsen:[Appointment,E-mail,]

Question 1 (City Resident?): Yes

Question 2 (Commission Relative?): No

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City Commission Board/Committee Application

Submitted on: (Wednesday, September 28, 2005 3:19 PM)

Boards Applied For:

Gainesville Energy Advisory Committee

Meeting Date:

Personal/Contact Information

Name: William A Van Dyke

Address:

Home Phone:

Work Phone:

E-mail Address: vandykewp87@yahoo.com

Occupation: Systems Engineer

Race: Caucasian

Sex: Female

Miscellaneous Information:

Consultant in Electronic, Computer Information, Eco Dev & Energy

Experience/Training Information

Related to Board/Committee:

Have over thirty years of systems engineering of energy, electronics, computer information and economic development with US government and industry.

Educational Background:

BS Math & Science, Master and Doctor of Science in Engineering. Have other graduate engineering and physics studies. Have OSHA Construction Safety Certification.

Professional Organizations:

ASME, ISEA

References: Well provide upon interview and interest.

Background Information

Contacted Mayor Hanrahan:[No data entered]
Contacted Commissioner Braddy:[No data entered]
Contacted Commissioner Bryant:[No data entered]
Contacted Commissioner Chestnut:[No data entered]
Contacted Commissioner Domenech:[No data entered]
Contacted Commissioner Lowe:[No data entered]
Contacted Commissioner Nielsen:[No data entered]

Question 1 (**City Resident?**): No
Question 2 (Commission Relative?): No

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Applicant's Location
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<http://www.mapquest.com/maps/map.adp?city=Gainesville&state=FL&address=8708 SW 8th Place&zip=32607&country=us&zoom=5>

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Technical Data
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This message was generated on the City of Gainesville Website.
User IP address: 24.250.238.190
Client software: Mozilla/4.0 (compatible; MSIE 6.0; Windows 98; .NET CLR 1.1.4322)

William A. Van Dyke, Jr. D.Sc.

8708 S.W. 8th Place
Gainesville FL 32607
352-332-4859
wvandykejr@cox.net

Education:

- East Texas State University, B.S., Math & Science, 1958
- George Washington University, Master of Engineering Administration, MEA, 1984
- George Washington University, Doctor of Engineering, D.Sc., 1990

Additional Training:

- Mechanical Engineering Studies, Southern Methodist University, TX, 1960-1962
- Graduate Physics Studies, East Texas State University, TX, 1962-1964.
- Graduate Physics Studies, Trinity College, CT, 1965-67.
- OSHA Construction Safety Certification, 1996

Employment:

- University of Florida, Leadership Development Institute, Gainesville FL., Affiliate Consultant/Adjunct Professor, August 2004 – Pr., Development of risk & assessment models of business. Implementation of business improvements methods. Mentoring and counseling of business executives & staff, and business operations. Leadership development colloquium & related research and development.
- Williams & Co., Publishers, Savannah, GA., Author of books and scientific and technical manuscripts, January 2004 – Pr., Current project: Nonfiction Book "Strike the Tent and Move On" to be published fall 2004. Later planned published material: Research underway regarding Technology Transfer and National Policy.
- VDV Media Corp., Dallas, TX, Senior Research Engineer Consultant, Feb 2003 – Pr, Design and Development of computer networks and telecommunication systems for public and private firms. Preparation of new business proposals and contract performance evaluations.
- Service Corp of Retired Executives (SCORE), Counselor, Gainesville, FL, Feb 2003 – Pr, Counselor and mentor to individuals and small businesses ranging from business planning, start-up, legal formation, financial management and best practices, contracting, marketing and sales, and technology product development.
- US Department of Energy, Program Manager & Senior Engineer, Washington D.C., 1990 – 2003. Program Manager of research and development of University Program and Small Business Innovation Research (SBIR) of nuclear energy reactors, super computing technology, space power systems, filter & separation technology, medical and industrial isotope technology, high energy physics research, and advanced energy technology developments. Conducted technology transfer feasibility assessments. Intellectual property assessments and analysis of technology commercialization benefits. Senior Systems Engineer to design and development of variety of advanced nuclear

isotope separation methods and super-conductor super collider (SSC) for fundamental atomic matter research. Senior Systems Engineer of variety of electricity power plant designs and developments. Senior Advisor on National Policy for Energy and national security.

- The Johns Hopkins University, Professor Lecturer, Whiting School of Engineering, Baltimore Maryland, 1997 – 2003. Taught graduate courses in Computer Science, Information & Technology, and Systems Engineering. Student advisor and counselor/mentor for graduate studies and research.
- The George Washington University, School of Engineering & Applied Science, Washington DC, Associate Professor Rank, 1993-1997. Taught graduate courses in Engineering Management, Data Communications & Management, and Technology Issues Analysis. Graduate student advisor for project research, Thesis, and Dissertation.
- The University of Maryland, School of Engineering, College Park, Maryland, Professor Lecturer, 1991-1993. Taught graduate course in Systems Engineering. Student advisor of project research, Thesis and Dissertation.
- SMART International Corporation, Senior Vice President, Ijamsville, MD, Dec. 1991 to 1996. Co-founder of SMART. Technical Director providing technology assessment of government, national laboratories and industrial entities. Consultant and lecturer of short courses, colloquiums, and author of publication materials in the fields of systems engineering, energy and the environment, and technology transfer assessment, and product commercialization. Plan and prepare proposals for new business initiatives. Conduct independent research and counseling in field.
- Vitro Corporation, Chief Engineer, Director, & Senior Systems Engineer, 1976 – 1990, Silver Spring, MD. Chief Engineer of Unmanned Aerial Vehicle Project. Technical Director of design and development a family of Joint UAV Military Vehicles Program. Conducted world-wide assessment of state-of-the-art UAVs of NATO and foreign countries. Director of Industrial Advisory Group of UAV systems to the Joint Military UAV Programs. Development of remotely piloted vehicle and unmanned aerial vehicle systems for a wide range of missions. Group Supervisor of naval ships electronics, radars, and combat systems. Research Engineer of advanced radars, missiles and combat systems. Program Manager of design, develop and manufacture of aircraft and naval ship combat missile & radar systems.
- Harris Corp., Associate Principal Engineer, 1971 – 1976, Palm Bay, FL, Design, development and production of advanced radar systems for mobile ground, airborne and space applications.
- Sanders Associates, Section Manager & Principal Engineer, Bedford, Mass, 1968 – 1971, Design, development and production of advanced low cross section missile detection radar systems for mobile ground and naval ship applications. Patent to improve radar pointing accuracy and reliability.
- United Aircraft Corp., Senior Group Engineer, West Hartford, CN, 1965 – 1968, Design, development and production of advanced space vehicle control, navigation and guidance system for the LEM APOLLO vehicles. Also, design, development and production of high-speed electric and turbo jets powered rail transportation/passenger train systems.

- LING-TEMCO-VOUGHT Corp., Technical Group Engineering Supervisor, Greenville, TX, 1958 – 1968, Design, development and production of aerospace surveillance, reconnaissance and electronic-intelligence systems for a variety of aircraft.
- TEMCO, Aircraft Electrician Technician, Greenville, TX, 1953 – 1958, Modification and maintenance of aircraft and aerospace electronic systems for a variety of aircraft. Fabrication and Installation of aerospace instruments/panels and upgraded engines for Riley Twin Ryan/Navion aircraft conversions.

University Faculty Appointments:

- Affiliate Consultant/Adjunct Professor, University of Florida, Leadership Development Institute, Gainesville Florida, 2004 - PR. Development of risk & assessment models for business. Implementation of business improvements methods. Mentoring and counseling of business executives & staff, and business operations. Leadership development colloquiums and related research and development.
- Professor Lecturer, Johns Hopkins University, Whiting School of Engineering, Maryland, 1997 – 2003, Taught graduate courses: Foundations of Networking and Telecommunications, Introduction to Local and Wide Area Networks, Distributed Systems, and Systems Engineering Product Development Projects.
- Associate Professor, George Washington University, School of Engineering and Applied Science, Washington D.C., 1993 – 1997, Taught graduate courses: Engineering Management, Data Communications and Management, Technology Issue Analysis, and Thesis & Dissertation Advisor.
- Professor Lecturer, University of Maryland, School of Engineering, 1991 – 1993, Taught graduate course: Principles and Processes of Systems Engineering.

Doctoral Dissertation: “An Analysis of the Impact of the Competition in Contracting Act (CICA) of 1984 on the Technical and Professional Services Contractors Serving the U.S. Navy.” Copyright, 1990 by Van Dyke, William Adolphus, Jr., UMI order number 9024928.

Patent Invention: Patent device to Improve Radar Pointing Error and Reliability, 1970.

Awards and Honors:

- Senior Advisor for DOE Scientific and Technical Energy Policy and Programs, 1994-1998.
- Senior Advisor and Researcher for DOE Small Business Innovation Research (SBIR) and Technology Transfer programs, 1992 – 2002.
- National DOE Security Policy Advisor, 1997 – 2002
- Several DOE Monetary and Performance Awards, 1990 –2002.
- DOE Appreciation Award, Jan 2001, “In recognition of your significant contribution to the Department of Energy’s complex review and reform of the Department’s technology partnership and commercialization programs,” Secretary Bill Richardson.
- DOE Distinguished Career Service Award, Dec 2002, “In recognition of over forty years of distinguished service to the U.S. Government as a Federal employee to the Department of Energy and as a contract employee to the Department of Defense.” Office Secretary, Director, Joseph S. Mahaley.

Professional Societies

- American Association for Advancement of Science (AAAS)
- American Society of Mechanical Engineers (ASME)

List of Some William Van Dyke Research Papers and Publications:

- "Graduate Physics research and experiment to study and estimate re-entry characteristics from space to earth atmosphere," 1960, East Texas State University (Texas A&M at Commerce).
- "Design analysis of use of strapped-down gyros and linear accelerators and gyros with computer modeling technology for space vehicle control, navigation and guidance," 1966, United Aircraft Corporation.
- "Design analysis for use of electric motor and turbo jets powered systems to power transportation and passenger rail trains on existing rail tracks," 1969, United Aircraft Corporation.
- "Design analysis and proposed methods for improving radar operation capabilities in high wind environments," 1970, Sanders Associates.
- "Design of modular and transportable telecommunication and surveillance radar systems," 1973, Radiation Inc (Harris Corporation).
- "Design analysis improvements of combat air search and surveillance radar systems for U.S. Naval ships," 1980, Vitro Corporation.
- "Design analog and digital telecommunications and integration improvements of naval ship combat weapon systems," 1980, Vitro Corporation.
- "Design and development of remotely piloted vehicles and unmanned aerial vehicles systems for multiple missions," 1985, Vitro Corporation and US Department of Navy.
- "System design and construction considerations of high energy physics super collider and detector architectures for use to research fundamental atomic particles," 1991, US Department of Energy.
- "Lecture series of systems engineering principles and processes for design, development, production and continued service of systems," 1992, University of Maryland.
- "Comparative study of coal, natural gas, nuclear and alternative power sources for electricity power generation," 1994, US Department of Energy.
- "Methods of determining aircraft and vehicle weigh while in motion" 1995, US Department of Energy and Oak Ridge National Laboratory.
- "Comparative study of isotope separation processes for separation and enrichment, and medical and industrial applications" 1995, US Department of Energy and Oak Ridge National Laboratory.
- "Research of inorganic membranes to filter and separate micro-particles and contaminants from liquid and gases, such as drinking water, chemical and toxic waste, and for medical and industrial processes," 1995, US Department of Energy and Oak Ridge National Laboratory.
- "Research of inorganic membranes to separate gases such as nitrogen and hydrogen from petroleum and industrial processes for power sources," 1996, US Department of Energy and Oak Ridge National Laboratory.
- "Lecture series of distributed systems to integrate autonomous interconnected computer-to-computer systems for modern business and scientific enterprises," 1997, Johns Hopkins University.
- "Investigate design and development of tera flop (million-million) high speed super computers and integrated micro-chip-circuitry architectural design and their potential applications," 1997, US Department of Energy and Johns Hopkins University

- "Lecture series of high speed computer architectures and software for integration of Local Area Networks and Wide Area Networks," 1998, Johns Hopkins University.
- "Lecture series of advanced computer-to-computer networking and telecommunications fundamentals for Business and Industrial Uses," 1998, Johns Hopkins University.
- "Analysis of new advanced technology for improved nuclear energy power reactor systems (reactor designs, thermoelectric conversion devices, sensors, instrumentation, materials and components)," 1998, US Department of Energy.
- "Analysis to improve conversion devices and materials of radioisotope thermoelectric generator (RTG) systems to power space vehicles for deep space exploration missions of Voyager, Galileo, Ulysses and Cassini," 1999, US Department of Energy.
- "Analysis of university research reactors, fuel enrichment configuration and refueling fabrication methods to determine feasibility, decrease cost and improve availability for research and educational activities," 1999, US Department of Energy.
- "Research of advanced electronic micro-circuitry to improve magnetic stereotaxics system (MSS) for medical treatment and tumor brain surgery," 1999, US Department of Energy and Oak Ridge National Laboratory.
- "Analysis of commercial applications of plasma separation process (PSP) to enrichment isotopes for medical and industrial applications," 2001, US Department of Energy and Oak Ridge National Laboratory.
- "Research and development of telecommunication devices to monitor individual physiological and medical condition," 2003, VDV Corporation.
- "Research and development of physiological status using micro-power wireless sensors system and personal area network (PAN) to determine medical significance and commercialization potential for government and private sectors," 2003, VDV Corporation.
- "Research and development of programmable wrist-worn prediction and environmental stress monitor to assess individual physiologic responses and thermoregulatory model to variety of stresses," 2003, VDV Corporation.
- "Research of digital trunk radio network of integrated voice and data wide area wireless telecommunications for public safety and fleet operations," 2003, VDV Corporation.
- "Research system vulnerability using a fuzzy-logic model based on threat visualization system (TVS) for modeling vulnerability of U.S. infrastructure," 2003, Van Dyke Consultants.
- "Research and development of advanced supervisory control and data acquisition (SCADA) system architectures for government, commercial, and industrial facility homeland security applications," 2003, Van Dyke Consultants.
- "Oil and Natural Gas Production and Distribution Systems," 2004, Van Dyke Consultants.
- "Technology Transfer, Intellectual Property and National Policy," 2004, Van Dyke Consultants.

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City of Gainesville
ADVISORY BOARD-COMMITTEE APPLICATION

NAME: Walter Willard
 ADDRESS: _____
 CITY, S: _____
 PHONE: (H _____ FICE) (_____)
 CELL: (_____)
 OCCUPATION/POSITION: U.S. ARMY RETIRED
 EMPLOYER: Proprietor

BOARD APPLYING FOR:
 1) GEAC
 MEETING DATE ATTENDED:
 1) 9-20-05
 e-mail address: _____

Training/Experience related to Board/Committee to which appointment is being sought: Certified H.A.R.V. Technician or Heating, A/C, Refrigeration and Ventilation mechanic. I can recommend Municipal Water Supply Upgrade to Ozonation or Explain Solid Oxide Fuel Cells and Turkey Carcasses, but don't ask me to explain Steve. I. Walpole.

EDUCATIONAL BACKGROUND			PROFESSIONAL ORGANIZATIONS
COLLEGE/HIGHER EDUCATION	GRAD?	DEGREE	
<u>SANTA FE COMM COLLEGE</u>	<u>YES</u>	<u>H.A.R.V. 99</u>	<u>N.A.S., P.E.C.U.</u>
<u>ON BUSINESS COLLEGE</u>	<u>NO</u>	<u>Associational</u>	
High School:		Location:	

REFERENCES	
NAME	PHONE NUMBER
1) <u>LARRY NUTT</u>	<u>332-8333</u>
2) <u>LARRY DOWLING</u>	<u>377-4763</u>
3) <u>JIM LYNCH</u>	<u>264-6740</u>

Please indicate any contact made with City Commission members concerning this application				
	Appointment	Phone Call	E-mail	Other/Comments
Mayor Pegeen Hanrahan				
Commissioner E. Braddy				
Commissioner R. Bryant				
Commissioner C. Chestnut				
Commissioner T. Donovan				
Commissioner C. Lowe				
Commissioner W. Nielsen				

Additional Comments: I love wheatstone toast on wheatstone bridges, the most popular bridge of Electronic Electrical Engineers and Physicists choice. I've just finished repairing my 300th Cable TV without an Oscilloscope. It can't get all the cable channels because of broad band interference, until all of the laws on the books are enforced.

DEMOGRAPHIC INFORMATION

(Voluntary)

RACE: African American Caucasian Asian American Hispanic American Other _____

Reside Within City of Gainesville City Limits? YES NO

Are you a "relative" of a member of the City Commission? YES NO

Section 112.3135, Florida Statutes defines "relative" as: An individual who is related to the public official as father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, or half sister."

[Handwritten Signature]
Signature

9-4-05
Date

FOR OFFICE USE ONLY

2005 OCT -4 AM 9:51