

CURRICULUM VITAE

NAME: KENNETH NORMAN VANEK, Ph.D.

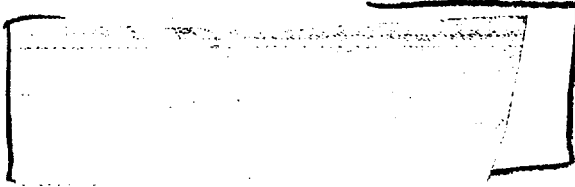
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ADDRESS:

Business: Wilford Hall USAF Medical Center
SGHQR
Lackland AFB, Texas 78236-5300

Phone: (512) 670-5287

Residence:



Phone:

PERSONAL:

Date of Birth:



Place of Birth:

Citizenship:

USA

Marital Status:



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MILITARY STATUS:

Active duty - U.S. Air Force
Current rank - Lt. Col.
Date Entered Active Duty - 1 September 1968

SECURITY CLEARANCE:



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BOARD CERTIFICATION:

American Board of Radiology - Therapeutic
Radiological Physics - 1982

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions b6
FOIA- 2001-0295

C/M

CV - Vanek, K.N.

EDUCATION:

B.S. (Zoology)
Texas A & M University
College Station, Texas

M.S. (Biophysics/Health Physics)
Texas A & M University
College Station, Texas

Thesis: The Effect of Various
Atmospheric Oxygen Concentrations
Upon Peripheral Lymphocytes During
Whole Body Gamma Irradiation

Ph.D. (Nuclear Engineering Sciences/
Medical Radiation Physics)
University of Florida
Gainesville, Florida

Dissertation: Radiation Dose to
Humans from ^{99m}Tc Labeled
Dihydrothioctic Acid (DHTA)

CV - Vanek, K.N.

SUPPLEMENTAL TRAINING:

*Military:

1969	Officer Basic Military Training Medical OBM 0104-1 USAF Medical Service School Sheppard AFB, Texas
1970	Management for Project Engineers & Scientists Air Force Special Weapons Center Kirtland AFB, New Mexico
1972	Space Orientation Course Air University for Professional Development Patrick AFB, Florida
1979-1980	Squadron Officers School (SOS) Correspondence Course Keesler AFB, Mississippi
1981	Air Command and Staff Seminar Program Keesler AFB, Mississippi
1985	Air War College Seminar Program Lackland AFB, Texas

*Short Training Sessions are not listed.

SUPPLEMENTAL TRAINING:

*Professional:

- 1977 External Beam, Interstitial, and Intracavitary Dosimetry-Principles, M.D. Anderson Hospital and Tumor Institute, Houston, Texas, January 3-14
- External Beam, Interstitial, and Intracavitary Dosimetry-Manual and Computer Methods of Calculation, M.D. Anderson Hospital and Tumor Institute, Houston, Texas, January 17-28
- 1978 Electron Linear Accelerators in Radiation Therapy, AAPM Workshop, Denver, March 27-29
- 1979 High Energy Electron, X-Ray, and Neutron Dosimetry, M.D. Anderson Hospital and Tumor Institute, Houston, Texas, January 29 - February 3
- 1980 Packaging and Transportation of Radioactive Materials, Nuclear Energy Waste Management Consultants, Ft. Meyers, Florida, January 3-4
- Medical Physics of CT and Ultrasound - Tissue Imaging and Characterization
AAPM Summer School
La Crosse, Wisconsin, July 20-25
- 1981 Physical Aspects of Hyperthermia
AAPM Summer School
Hanover, New Hampshire, August 3-7
- 1982 Advances in Radiation Therapy Treatment Planning
AAPM Summer School
Hammond, Louisiana, July 26-30
- 1983 Radiotherapy Treatment Planning Anatomy
The University of Texas Health Science Center at San Antonio
San Antonio, Texas, April 11-15
- An Update in Physics of Nuclear Medicine
AAPM Summer School
Madison, New Jersey, July 24-29

*Short refresher courses such as those at RSNA, ASTR, and AAPM meetings are not listed.

CV - Vanek, K.N.

PROFESSIONAL EXPERIENCE:

1967 (Summer)

Radiology Assistant, Maxfield Clinic,
Dallas, Texas

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Graduate Research Assistant, Department of
Nuclear Engineering, Texas A & M University,
College Station, Texas

Graduate Student, Air Force Institute of
Technology, United States Air Force,
Texas A & M University, College Station,
Texas

1969-70

Health Physicist, Biophysics Division
Air Force Weapons Laboratory,
Kirtland AFB, New Mexico

1970-71

Program Management Officer and Laser Safety
Officer, Laser Division Air Force Weapons
Laboratory, Kirtland AFB, New Mexico

1971-73

Health Physicist and Radiation Protection
Officer, Air Force Eastern Test Range,
Patrick AFB, Florida

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Doctoral Student, Air Force Institute of
Technology, University of Florida,
Gainesville, Florida

1976-84

Chief, Radiological Physics, Department of
Radiology, USAF Medical Center, Keesler AFB,
Mississippi

1984-

Chief, Medical Physics Service, Department of
Radiology, Wilford Hall USAF Medical Center,
Lackland AFB, Texas

PROFESSIONAL APPOINTMENTS AND ACTIVITIES:

1972	Member, Ad Hoc Committee on Laser Safety, Department of Defense Range Commanders Council
1972-73	Member, Interagency Nuclear Safety Review Panel (Atomic Energy Commission, National Aeronautics and Space Administration, Department of Defense)
1975-81	Member, Society of Nuclear Medicine Computer Committee
1976	Session Co-Chairman, Radiopharmaceutical Dosimetry Symposium, Oak Ridge, Tennessee, April 26-29
1976-Present	Member, Committee on Experimental Verification of Internal Dosimetry Calculations, National Council on Radiation Protection and Measurements (NCRP Scientific Committee 55)
1980	Local Arrangements Chairman, Health Physics Society Deep South Chapter 1980 Annual Meeting
1980-82	Local Arrangements Chairman, 1982 AAPM Summer School "Advances in Radiation Therapy: Tumor Localization, Simulation, Treatment Planning, and Treatment." Southeastern Louisiana University Hammond, Louisiana
1980-83	Member, Continuing Education Committee, American Association of Physicists in Medicine (AAPM)
1982	President-elect Deep South Chapter Health Physics Society Consultant in Medical Physics to USAF Surgeon Surgeon General
1983	President - Deep South Chapter Health Physics Society
1983	American Medical Association, Ad Hoc Committee, "Guide to the Hospital Management of Injuries Arising from Exposure to or Involving Ionizing Radiation"

PROFESSIONAL AND SCIENTIFIC ORGANIZATIONS:

American Association of Physicists in Medicine
American Society of Therapeutic Radiologists
American College of Radiology
Health Physics Society
National Council of Radiation Protection and Measurements
(Adjunct Member)
Texas Regional Medical Physicists
American Conference of Governmental Industrial Hygienists

HONOR SOCIETIES: TAU BETA PI

AWARDS AND HONORS:

Military

1971	Air Force Systems Command Certificate of Merit
1973	Air Force Commendation Medal
1975	Senior Biomedical Scientist U.S. Air Force, Biomedical Science Corps
1982	Air Force Meritorious Service Medal Chief, Biomedical Scientist U.S. Air Force, Biomedical Science Corps Consultant to USAF Surgeon General
1984	Air Force Meritorious Service Medal (First Oak Leaf Cluster)

PROFESSIONAL AND RESEARCH RESPONSIBILITIES, INTERESTS AND ACTIVITIES:

1967 (Summer)

Radiology Assistant, Maxfield Clinic, Dallas, Texas. Assisted in patient positioning and treatment with x-ray and Cobalt therapy units, diagnostic x-ray procedures, pharmacy, and routine physicals.

Graduate Research Assistant, Department of Nuclear Engineering, Texas A & M University, College Station, Texas. Performed research of rat lymphocytes utilizing 800 Ci of ⁶⁰Co. Received additional health physics experience at one Megawatt TRIGA reactor and a variable energy cyclotron.

Graduate Student, Air Force Institute of Technology, duty station at Texas A & M University, College Station, Texas. Completed M.S. degree in Biophysics (Health Physics). Performed laboratory surveys and radioactive waste disposal.

1969-70

Health Physicist, Air Force Weapons Laboratory, Biophysics Division, Kirtland AFB, New Mexico. Provided neutron dosimetry support to a biological effects research program. Member, Special Weapons Center Radioisotope Committee. Directed phase-down of neutron dosimetry program.

1970-71

Program Management Officer and Laser Safety Officer, Air Force Weapons Laboratory, Laser Division, Kirtland AFB, New Mexico. Management Assistant to the Director, Laser Division. Supervised financial and property resources for a multimillion dollar program. Established a laser safety program and conducted division correspondence in designated areas. Member Air Force Special Weapons Center Radioisotope Committee.

1971-73

Health Physicist and Radiation Protection Officer, Air Force Eastern Test Range (AFETR), Patrick AFB, Florida. Responsible for the initiation, supervision, and execution of a command health physics program. Reviewed and approved all procedures performed on the AFETR that involved ionizing or non-ionizing radiation hazards and assured the proper licensing of the appropriate materials.

(1971-73)

This involved interfacing with other DoD agencies, NASA, AEC and private industry. Extensively revised the AFETR radiation control program. Monitored two health physics support contracts which included identifying specific work requirements to be performed by the contractor, establishing any necessary priorities, and evaluating their technical performance. Reviewed the nuclear safety and design concepts of Viking (90,000 Ci ²³⁸Pu) and the multihundred watt (MHW) nuclear generators (270,000 Ci ²³⁸Pu). Responsible for the handling and contingency plans for the prelaunch and launch aspects of nuclear generators from the AFETR, co-directed the Radiation Control Center during the launches of Pioneer F and G (SNAP-19 nuclear generators). Served as the Air Force representative in the NASA Radiation Control Center during the launches of Apollo 16 and 17 (SNAP-27 nuclear generators). Represented the AFETER on the ad hoc Committee for Laser Safety (DoD Range Commanders Council). Served as the secretary to the AFETR Radioisotopes Committee. Performed surveys of industrial and medical x-ray units, laser and microwave systems, and radioactive material storage and use areas. Member of the following committees or teams: Ground or explosive accident investigation board, bomb damage assessment team, Headquarters AFETR disaster response force, and AFETR commander's alert staff.

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Doctoral Student, Air Force Institute of Technology, duty station at the University of Florida, Gainesville, Florida. Majored in medical radiation physics with an emphasis in nuclear medicine. Experience with Searle HP scintillation camera, Ohio-Nuclear dual 5 rectilinear scanner, Pho-Dot, RADX dose calibrator, 1.57 x 2.0 well-type scintillation counter, and a PDP 8/I computer. Additional experience with Picker teletherapy units and an IBM 360. Guest lecturer in a graduate level nuclear medicine course. Assisted the VA Hospital, Gainesville, Florida, in obtaining their NRC radioactive material license of broad scope.

1976-84

Chief, Radiological Physics, Department of Radiation Therapy, USAF Medical Center Keesler, Keesler AFB, Mississippi. Responsible for the overall direction of the radiation physics program at this 385 bed medical center. Provided physics support and served as technical director to the department of radiation therapy. Acted as a consultant and provided physics support to diagnostic radiology, nuclear medicine, clinical research laboratory, dental services, and environmental health. Participated in the professional training of various medical residents, staff members, and support personnel. Keesler Medical Center had an AECL Theratron 80, a 250 kVp orthovoltage unit, a treatment simulator, a TP-11 treatment planning system, state-of-the-art physics support equipment, 15 diagnostic radiology suites, cystology, ultrasound suites, a GE 8800 CT scanner, two Picker gamma cameras, plus other nuclear medicine laboratory equipment. Brachytherapy sources included Ra-226, Cs-137, Au-198, Ir-192, and I-125.

Served as a consultant to the nuclear medicine departments at Maxwell AFB, Alabama and Eglin AFB, Florida.

1984-Present

Chief, Medical Physics Service, Department of Radiology, Wilford Hall USAF Medical Center, Lackland AFB, Texas. Responsible for the overall supervision and direction of the radiological physics program at the Air Force's largest medical center. The medical physics service supports radiation therapy, nuclear medicine, diagnostic radiology, clinical investigation facility, clinical laboratory, dental service, environmental health, and Lackland AFB. The radiation therapy service has a Siemen's Mevatron 77 linear accelerator, Cobalt-60 teletherapy, orthovoltage, a treatment simulator, a TP-11 treatment planning system and other support equipment. This service treats over 700 new patients per year. Nuclear Medicine Service has over six imaging cameras, two MDS data acquisition and analysis systems, and performs over 34,000 procedures per year. Diagnostic Radiology Service has over 24 radiology suites, including two CT scanners, ultrasound, cystology, and cardiac catheterization suites. Serves as director of physics training for radiology residents, and nuclear medicine student technologists. Serves as a Consultant in Medical Physics to the USAF Surgeon General. Serves as a member of the USAF Radioisotope Committee, as well as Chairman of the Wilford Hall Medical Center's Radiation Safety Committee.

PUBLICATIONS - ABSTRACTS:

1. Butler PF, Fitzgerald LT, Vanek KN, et al: A computer program to determine radiation absorbed dose. Health Physics 31:542, 1976.
2. Vanek KN, Brookeman VA: Methodology of absorbed dose determinations for a new hepatobiliary imaging agent (Sup ^{99m}Tc-DHTA)). Information zur Kernforschung and Kerntechnik C45 5118 (NR 11) 1976.
3. Brookeman VA, Vanek KN, Butler PH, et al: Radiation dose to humans from ^{99m}Tc-dihydrothioctic acid (DHTA) Phys Med Biol 22:119, 1977

PUBLICATIONS - JOURNAL:

Butler PF, Fitzgerald LT, Brookeman VA, and Vanek KN: Determination of internal radiation absorbed dose: a computer method. Health Physics 33:459-463, 1977.

PUBLICATIONS - PROCEEDINGS:

1. Butler PF, Fitzgerald LT, Vanek KN, Brookeman VA: Automatic determination of cumulated activity. In Proceedings of Conference on Sharing of Computer Programs and Technology in Nuclear Medicine, (January) 1976.
2. Butler PF, Fitzgerald LT, Vanek KN, Brookeman VA: A computer program to determine cumulated activity and absorbed radiation dose. In Proceedings of Oak Ridge Radio-pharmaceutical Dosimetry Symposium, (April) 1976.
3. Vanek KN, Brookeman VA: Methodology of absorbed dose determinations for a new hepatobiliary imaging agent (^{99m}Tc-DHTA). In Proceedings of Oak Ridge Radio-pharmaceutical Dosimetry Symposium, (April) 1976.
4. Vanek KN, Brookeman VA, Butler PF, Fitzgerald LT: Radiation dose to humans from ^{99m}Tc-dihydrothioctic acid (DHTA). In Proceedings of IV International Conference of Medical Physics, (July) 1976.

INVITED PRESENTATIONS:

1. "^{99m}Tc-DHTA. A New Hepatobiliary Imaging Agent." Florida Chapter Health Physics Society. Winter, 1975.
2. "Quality Assurance in Diagnostic Radiology." Gulf Coast Society of Radiologic Technologists. April, 1978.
3. "The Role of Physics in Medicine." American Association of Medical Assistants, Mississippi Coast Counties Chapter. April, 1978.
4. "Radiation and Its Biological Implication." Gulf Coast Research Laboratory, Ocean Springs, Mississippi. Seminar 11 September 1979.
5. "Medical Physics and Health Physics - A Radiological Team in the Medical Environment." American Association of Medical Assistants, Mississippi Coast Counties Chapter. April, 1980.

PRESENTATIONS - OTHER:

1. "Film Processor Quality Assurance." United States Air Force Bio-medical Engineering Symposium. May, 1978.
2. "Quality Assurance in Diagnostic Radiology - Myth or Miracle." Deep South Chapter Health Physics Society. August, 1978.
3. "Implementation of an X-Ray Quality Assurance Program." Deep South Chapter Health Physics Society. March, 1979.
4. "Implementation of the Presidential Directive for Control of X-Ray Exposure." Deep South Chapter Health Physics Society. March, 1979.

CV - Vanek, K.N.

SUPPLEMENT FOR LICENSE INFORMATION:

<u>ISOTOPE</u>	<u>AMOUNT</u>	<u>WHERE</u>	<u>YEARS EXPERIENCE</u>	<u>USE</u>
^{60}Co	6000 Ci	Over 10 medical installations	11	teletherapy
^{60}Co	5000 Ci	Air Force Weapons Lab Kirtland, NM	1	animal research
^{60}Co	500 Ci	Texas A&M University College Station, TX	2	animal research
^{137}Cs	125 Ci	Air Force Weapons Lab Kirtland AFB, NM	1	calibration
^{238}Pu	90,000 Ci	A.F. Eastern Test Range Patrick AFB, FL	2	Nuclear Power Generators for Space
Pu-Be	10 Ci	Air Force Weapons Lab Kirtland AFB, NM		Calibrations, experiments

In addition to the above, Dr. Vanek has had extensive experience with mg and mCi amounts of ^{137}Cs , ^{226}Ra , ^{192}Ir , ^{125}I , and ^{198}Au for interstitial and intracavitary implants. He also has used mCi quantities of ^{99}Mo , ^{131}I , ^{125}I , ^{67}Ga , ^{51}Cr , $^{99\text{m}}\text{Tc}$, ^{133}Xe , ^{57}Co , ^{22}Na , ^{133}Ba , ^{54}Mn , ^3H , ^{14}C , ^{32}P , ^{67}Ci , ^{90}Sr , ^{185}K , ^{210}Bi , and others in research, nuclear medicine, and cancer treatment.

CURRICULUM VITAE

DATE PREPARED: 24 April 1984

RANK/NAME: Major Borchert, Ronald D.

SPECIALTY: Radiopharmacist

AFSC: W9246

CURRENT ASSIGNMENT:

Chief, Radiopharmacy Services, Wilford Hall USAF Medical Center,
Lackland AFB, Texas

Military Consultant to the Surgeon General of the Air Force,
for Radiopharmacy

EDUCATION AND TRAINING:

B.S. in Pharmacy, South Dakota State University, Brookings,
South Dakota, [] EX 6

Residency in Hospital Pharmacy, St. Lukes Hospital, Duluth,
Minnesota, 1970

Courses in Computer Application and Computer Programming,
Riverside City College, Riverside, California, 1973

M.S. in Radiopharmacy, University of Southern California,
Los Angeles, California, [] EX 6

Residency in Radiopharmacy, Veterans Administration Hospital,
San Diego, California, 1977

15th Annual Midyear Clinical Meeting, American Society of Hospital
Pharmacists, San Francisco, California, 1980

5th Clinical Congress, American Society of Parenteral and Enteral
Nutrition, New Orleans, Louisiana, 1981

USAF Pharmacy Seminar, USAF School of Aerospace Medicine,
Brooks AFB, Texas, 1981

Fourth Annual Pharmacy Symposium on Cancer Chemotherapy,
University of Texas M.D. Anderson Hospital and Tumor Institute,
Houston, Texas, 1982

Institute on Planning and Operating Drug Use Review and Pharmacy
Quality Assurance Programs, American Society of Hospital
Pharmacists, Cleveland, Ohio, 1982

Symposium on Expanding Directions in Cardiology, Central Texas
Society of Hospital Pharmacists, San Antonio, Texas, 1982

30th Annual Meeting, Society of Nuclear Medicine, St. Louis,
Missouri, 1983 (Presented Scientific Paper)

BOARD CERTIFICATIONS:

Board Certified Pharmacist, Minnesota State Board of Pharmacy,
Certificate No. 11290, 1970 - Present

Doctor of Pharmacy, South Dakota State Board of Pharmacy,
Certificate No. 3885, 1975 - Present

IMPORTANT MILITARY ASSIGNMENTS:

Chief Pharmacy Services, USAF Hospital Wurtsmith, Wurtsmith AFB,
Michigan, 1970

Chief Pharmacy Services, USAF Hospital Osan, Osan AB, Republic of
Korea, 1970 - 1971

Chief Pharmacy Services, USAF Regional Hospital March, March AFB,
California, 1971 - 1976

Chief Inpatient Pharmacy Services, USAF Medical Center, Keesler,
Keesler AFB, Mississippi, 1977 - 1981

ACADEMIC APPOINTMENTS:

Adjunct Clinical Instructor, School of Medicine, Department of
Radiology, University of Texas Health Science Center, San
Antonio, Texas, 1982 - Present

Clinical Instructor, Division of Science, Nuclear Medicine
Technology Program, Incarnate Word College, San Antonio, Texas,
1982 - Present

PREVIOUS CONSULTING ACTIVITIES:

Consultant for Pharmacy Services, Office of the Surgeon, U.S. Air Forces Korea, Headquarters 314th Air Division, Osan AB, Republic of Korea, 1970 - 1971

Special Advisor to the Commander for Drug Abuse Education, Office of the Commander, U.S. Air Forces Korea, Headquarters 314th Air Division, Osan AB, Republic of Korea, 1970 - 1971

Consultant and Evaluator, Joint Disaster Preparedness Committee, Pomona Valley Area Hospital Association, Pomona, California, 1975

Consultant on Parenteral Nutrition, Nutrition Support Service, USAF Medical Center, Keesler AFB, Mississippi, 1980 - 1981

RESEARCH CONTRIBUTIONS:

Research Advisor - Tracer Methodology, Radiochemical Laboratory Procedures and Radiopharmaceutical Preparation, Clinical Research Laboratory, USAF Medical Center, Keesler AFB, Mississippi, 1977 - 1981

Research Advisor - Tracer Methodology, Radiochemical Laboratory Procedures and Radiopharmaceutical Preparation, Clinical Research Facility, Wilford Hall USAF Medical Center, Lackland AFB, Texas, 1981 - Present

OTHER MAJOR PROFESSIONAL ACTIVITIES:

Member Radiopharmaceutical Science Council, Society of Nuclear Medicine, 1979 - Present

Member USAF Radioisotope Committee, Office of the Surgeon General, HQ USAF, AFMSC/SGPZ, Brooks AFB, Texas, 1982 - Present

MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS:

South Dakota State Pharmaceutical Association

American Pharmaceutical Association

American Society of Hospital Pharmacists

Society of Nuclear Medicine

Central Texas Society of Hospital Pharmacists

PUBLISHED ARTICLES, SPEECHES, LECTURES:

Guest Lecturer - Parenteral Alimentation Techniques, Regional Nurses Conference, USAF Regional Hospital, March AFB, California, 1975

Guest Lecturer - Pharmacology & Toxicology, Riverside City College Nursing Program, Riverside, California, 1973 - 1976

Invited Paper - In Vitro & In Vivo Nuclear Pharmacy:
R.D. Borchert, M.L. Brown. USAF Pharmacy Seminar, USAF School of Aerospace Medicine, Brooks AFB, Texas, 1979

Organizer and Lecturer - Workshop "Total Parenteral Nutrition, A Team Approach", USAF Medical Center, Keesler AFB, Mississippi, 1981

Scientific Exhibit - Bilateral Emission Scintislice Tomography (BEST): Performance Characteristics of a New Single Photon Rotating Bilateral Slant-hole Collimator: J.C. Lasher, F.L. Weiland, D.T. Kopp, P.R. Rosen, R.D. Borchert. 68th Assembly and Annual Meeting of the Radiological Society of North America, Chicago, Illinois, 1982

Scientific Paper - Use of I-123 Capsules in Establishing Normal Esophageal Transit Time and Patterns: D.E. Kotun, R.D. Borchert, P.R. Rosen, J.L. Floyd, F.L. Weiland, 30th Annual Meeting Society of Nuclear Medicine, St. Louis, Missouri, 1983

Scientific Publication - Demonstration of Occult Abdominal Infection with Indium-111 Leukocytes and Gallium-67 Scintigraphy: F. Ahmed, F.L. Weiland, P.R. Rosen, R.D. Borchert. Clinical Nuclear Medicine, 46:1390, June 1984

CURRICULUM VITAE

DANA CLAIRE LINDSAY

TRAINING & EDUCATION:

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Mar - Apr 1983	B.A. Political Science Mercer University, Macon, Georgia
Oct 1983	J.D. Walter F. George School of Law Mercer University, Macon, Georgia
Mar 1984	Judge Advocate Staff Officers' Course Maxwell AFB, Alabama Distinguished Graduate
	Practical Environmental Law Course University of Denver School of Law held at Williamsburg, Virginia
	Environmental Law Course Maxwell AFB, Alabama

EXPERIENCE:

July - Dec 1982	Kaplan & Thomason, P.A. Macon, Georgia
Jan 1983 - Present	United States Air Force Judge Advocate General's Corps Chief of Civil & Environmental Law Brooks AFB, Texas

PROFESSIONAL AFFILIATIONS:

	Member of American Bar Association Member of Georgia Bar Association
Admitted to practice:	Supreme Court of Georgia Georgia Court of Appeals Federal District Court for the Middle District of Georgia