



DEPARTMENT OF THE ARMY
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, D.C. 20307 - 5001

REPLY TO
ATTENTION OF:

APR 08 1986

HS HL-HP

SUBJECT: Renewal of U.S. Nuclear Regulatory Commission License
No. 08-01738-03, Docket No. 030-06895, Control No. 104081

THRU: TSG HQDA (DASG-PSP-E)
Washington, D.C. 20310

TO: U.S. Nuclear Regulatory Commission, Region 1
Nuclear Materials Safety Section B
Division of Radiation Safety and Safeguard
631 Park Avenue
King of Prussia, PA 19406

1. Reference: Letter, U.S. Nuclear Regulatory Commission Region 1 Nuclear Materials Safety Section B, Division of Radiation Safety and Safeguards, 631 Park Avenue, King of Prussia PA., 13 March 86, subject: as above.
2. MAJ Gerald M. Connock was appointed as Radiation Protection Officer for Walter Reed Army Medical Center (WRAMC) October 1985. An outline of his training and experience is attached as Enclosure 1.
3. The Radiation Control Committee duties, responsibilities and membership listed under Tab 7 of the application dated 18 July 79 for NRC License No. 08-01738-02 was revised by a letter of amendment date 13 January 84. A copy of the amended Tab 7, revised to list current membership, and provide a curriculum vitae for each member is attached as Enclosure 2.
4. Tab 8 of the above noted application has been revised. HSWP-QHP Memo Number 9, "Procedures For Obtaining Authorization to Use Radioactive Material" is replaced by WRAMC Regulation 40-10, "Medical Service - Health Physics," Chapter 3, "Authorization to Use Radioactive Material. A copy is attached as Enclosure 3. In order to provide the forms referenced in Enclosure 3, copies of the "Application for Authorization to Use Radioactive Material," WRAMC Form 1661-R-Human Use, WRAMC Form 1662-R-Non-Human Use, and WRAMC Form 1643, "Training and Experience of Authorized Users." are attached as Enclosure 4, 5 and 6 respectively.
5. An individual must meet the following criteria in order to take on the responsibilities and position of an authorized Principal User.

JJ/2

HSHL-HP

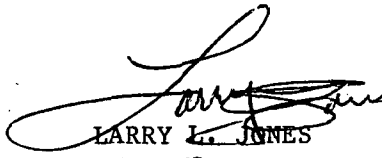
SUBJECT: Renewal of U.S. Nuclear Regulatory Commission License
No. 08-01738-03, Docket No. 030-06895, Control No. 104081

a. The individuals organizational position should assure direct administrative control over the facilities, equipment, and personnel listed on the "Application for Authorization to Use Radioactive Material."

b. The qualifications, training and experience of each person should be commensurate with the material and its use as proposed in the application. The information provided by the applicant on WRAMC Form 1643, "Training and Experience of Authorized Radioisotope Users" is reviewed to assure competency to work without the presense of supervisory personnel.

FOR THE COMMANDER:

6 Encls
as (6 copies)


LARRY L. JONES
LTC, MS
Adjutant General

CF:
CDR, HSC
ATTN: HSCL-P

CURRICULUM VITAE

for

GERALD M. CONNOCK, M.S.

Date & Place of Birth:

Home Address:

Home Telephone Number:

Office Address:

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307-5001

Office Telephone Number:

(301) 427-5104

Degrees:

M.S. - Medical Physics []
University of California, Los Angeles
Los Angeles, CA

B.A. - Anthropology []
University of Florida
Gainesville, FL

Professional Societies:

Health Physics Society

Other Education and Training:

1980 - 1983

USA Command and General Staff Officer Course
Non-resident

1982

Laser and Microwave Hazards Workshop
US Army Environmental Hygiene Agency
Aberdeen Proving Ground, MD

1981

US Army Medical X-Ray Survey Techniques
Course
Academy of Health Sciences, US Army
Fort Sam Houston, TX

1981

AMEDD Radiation Protection Officers Workshop
US Army Environmental Hygiene Agency
Aberdeen Proving Ground, MD

Ex6

APR 22 1986

CURRICULUM VITAE

NAME: Keith Kellogg Hunt, Jr. DATE OF RANK: 3 June 1977
RANK: Colonel, Medical Corps MOS: 60F
SSN: [] MILITARY SERVICE: 1 July 1962 to present
CURRENT ASSIGNMENT: Chief, Department of Medicine, Walter Reed Army Medical
Center, Washington, DC 20012 (Telephone: 576-1205)
BUSINESS ADDRESS: Box 300, Walter Reed Army Medical Center, Washington, DC 20012

DATE OF BIRTH:
PLACE OF BIRTH:
RELIGION:
NAME OF SPOUSE:
DATE MARRIED:
CHILDREN:
HOME ADDRESS:

PROFESSIONAL EDUCATION AND TRAINING

University of Virginia
University of Virginia Medical School

[] BA, Psychology
MD

Rotating Internship
Tripler Army Medical Center
Honolulu, Hawaii

Jul 1962 - Jun 1963

General Practice
Walson Army Hospital
Fort Dix, New Jersey

Sep 1965 - Aug 1966

Internal Medicine Residency
Walter Reed Army Medical Center
Washington, DC

Sep 1966 - Aug 1969

Pulmonary Fellowship
Walter Reed Army Medical Center
Washington, DC

Sep 1969 - Aug 1970

SPECIALTY CERTIFICATION:

American Board of Internal Medicine
Diplomate in Subspecialty of Pulmonary Disease
Recertification, American Board of Internal Medicine

23 October 1970
17 October 1972
29 October 1977

EX 6

CONNOCK, Gerald M. (Continuation of Curriculum Vitae)

1981	Nuclear Hazards Training Course Interservice Nuclear Weapons School Sandia Base, NM
1980	Medical Effects of Nuclear Weapons Course Armed Forces Radiobiology Research Institute Bethesda, MD
1977	AMEDD Officer Advanced Course Academy of Health Sciences, US Army Fort Sam Houston, TX
1972	Essential Medical Training for AMEDD Aviators Fort Sam Houston, TX
1972	Rotary Winged Officers Course Fort Rucker, AL
1971	Battalion Surgeons Assistance Course US Army Medical Field Service School Fort Sam Houston, TX
1971	AMEDD Officer Basic Course US Army Medical Field Service School Fort Sam Houston, TX

Chronological Experience:

Oct 1985 - Present

Walter Reed Army Medical Center
Washington, DC 20307-5001
Health Physics Officer
Health Physics Office

Develop, direct and provide health physics services for WRAMC and its supported activities including USAMRIID, Ft. Detrick. Develop, review, and direct Health Physics Training programs. Organize, equip, train and direct the operations of the Radiological Advisory Medical Team. Serve as Executive Agent for the WRAMC Radiation Control Committee and for Nuclear Regulatory Licenses and DA Authorizations for the possession, storage, use and disposal of radioactive material at WRAMC and tenant activities. Provide interpretation and assure compliance with license conditions,

CONNOCK, Gerald M. (Continuation of Curriculum Vitae)

federal laws, Army Regulations, and National Standards pertaining to ionizing and non-ionizing radiation. Advise the Commander, WRAMC, as Radiation Protection Officer, on all other matters pertaining to ionizing and nonionizing radiation hazards.

Sep 1984 - Oct 1985

Walter Reed Army Medical Center
Washington, DC 20307-5001
Chief, Operations Branch
Health Physics Office

Apr 1984 - Sep 1984

Walter Reed Army Medical Center
Washington, DC 20307-5001
Assistant Chief, Operations Branch
Health Physics Office

Supervise personnel in conduct of radiation protection surveys for radioisotope laboratories, X-ray units, radiotherapy procedures, emergency response, and shielding evaluations. Provide classes for medical personnel in ionizing radiation protection.

Jul 1983 - Mar 1984

US Army Medical Department Activity Panama
Ancon, Republic of Panama
Alternate Radiation Protection Officer
Health Physics Consultant

Assisted in the performance of radiation protection surveys for radioisotope laboratory, X-ray units, and emergency response. Assisted in the management and monitoring of a radiation film badge program. Provided advice on numerous radiation protection and procedural questions for medical staff and patients. Assisted in the preparation and submission of the renewal of the Department of the Army Radioactive Material Authorization.

Dec 1979 - Jul 1982

Academy of Health Sciences, US Army
Combat Developments and Health Care Studies
Directorate
Fort Sam Houston, TX
Nuclear Medical Science Officer

Provided professional consultation and prepared operational concepts for the Commandant and his staff, both medical and non-medical personnel, concerning ionizing and nonionizing

CONNOCK, Gerald M. (Continuation of Curriculum Vitae)

practices. Evaluated Department of the Army operational doctrine pertaining to medical operations in radiation environments, which affected the health of individuals and the environment within which AMEDD facilities and units operated. Further recommended concepts of operations for the employment of AMEDD units in ionizing and nonionizing radiation environments. Represented the command at numerous interservice and civilian meetings addressing ionizing and non-ionizing radiation protection.

Jan 1978 - Dec 1979

University of California, Los Angeles
Medical Physics Division
Student

Studied radiation protection, regulations, radiation biology, medical physics, radiopharmacology, nuclear medicine physics, and radiation therapy. Wrote a thesis dealing with Minimum Object Visibility on X-rays, a comparison between standard and high kilovoltage techniques. In addition, gave in-service physics training on imaging systems to nuclear medicine technologists.

Publications:

"Medical Operations in a Contaminated Environment," Symposium on Mission Accomplishment in an NBC Environment, American Defense Preparedness Association, 1980.

"Minimum Size Object Visibility on X-Rays Taken at 80 kVp and 240 kVp," UCLA, 1979 - (thesis).

DEPARTMENT OF THE ARMY
HEADQUARTERS WALTER REED ARMY MEDICAL CENTER
Washington, DC 20307

WRAMC Regulation
No. 15-4

17 NOV 1981

Boards, Commissions and Committees

PATIENT CARE COMMITTEES, BOARDS AND COUNCILS,
WALTER REED ARMY MEDICAL CENTER

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CHAPTER 2
Committees

* * *

* * *

2-18 Radiation Control Committee

a. Composition

Deputy Commander (Chairperson)
C, Department of Medicine
C, Department of Nursing
C, Department of Pathology/Area Lab Services
C, Department of Radiology
C, Radiation Oncology Services
C, Nuclear Medicine Service
Health Physics Officer (RPO)
Senior Nuclear Pharmacist
Assistant Health Physics Officer (Alternate RPO) (Recorder)
D, WRAIR
Radiation Safety Officer, WRAIR
Radiation Protection Officer, AFIP
Scientific Advisor, USAMRIID

b. Purpose: To formulate rules and procedures for the safe use of sources of ionizing and nonionizing radiation; to assure compliance with the regulations and standards of the Nuclear Regulatory Commission, the Office of the Surgeon General, Department of the Army and other regulatory agencies; and to conduct a continuing review of the administrative control procedures.

c. Responsibilities:

- (1) Perform those functions specified in AR 40-14, AR 40-37 & 385-11.
- (2) Review and approve local procedures for the receipt, use, transport, storage and disposal of radioactive materials.

(3) Review and approve procedures to guide nursing and other personnel who are in contact with patients receiving therapeutic amounts of radio-nuclides; rules relating to the discharge of such patients; and rules to protect personnel involved when such patients undergo surgical procedures or autopsy.

(4) Establish such standing or ad hoc subcommittees as may be necessary to perform its functions.

d. Minutes: The minutes shall be prepared in triplicate, the original and one copy to be forwarded to the Executive Committee for approval NLT five (5) working days after the meeting. That copy will become a part of the Executive Committee minutes and the original will be returned to the committee recorder for action and to be placed in the Radiation Control Committee's files. The minutes are also included in the "Radioisotopes in Human Use Activities" report, RCS MED-197.

e. Office of Record - Health Physics

f. Frequency - Quarterly or at the call of the Chairperson

g. References:

(1) AR 40-14 (Control and Recording Procedures for Occupational Exposure to Ionizing Radiation).

(2) HSC 40-1

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COPY

HEALTH PHYSICS
WALTER REED ARMY MEDICAL CENTER
Washington, D.C. 20307

HSHL-HP
MEMO Number 4

19 July 1983

ORGANIZATION AND FUNCTION
OF THE
RADIATION CONTROL COMMITTEE SUBCOMMITTEES

1. REFERENCES

- a. Title 10, Chapter 1, Code of Federal Regulations, "Energy - U.S. Nuclear Regulatory Commission Rules and Regulations."
- b. WRAMC US NRC License 08-0738-02.
- c. WRAMC Regulation 15-4, "Health Care Committees."
- d. WRAMC Regulation 40-10, "Health Physics."

2. DISCUSSION

Reference a. above stipulates that no individual may receive, acquire, own, possess, use, or transfer radioactive material unless authorized by the Nuclear Regulatory Commission (NRC) via a Specific NRC License. At present, WRAMC possesses a "Specific NRC License of Broad Scope for By-Product Material" that allows WRAMC to utilize certain types and quantities of radioactive material for the purpose specified therein. One of the NRC requirements for possession of the current license stipulates that WRAMC must establish a radiation safety committee that exercises administrative control over the safe use of radioactive materials. In order to fulfill this requirement, WRAMC has established the Radiation Control Committee (RCC) with responsibility and authority for assuring the safe use of ionizing radiation at WRAMC and certain tenant activities. The primary method used by the WRAMC RCC to fulfill its responsibilities for administrative supervision of licensed radioactive materials is via the review process associated with WRAMC Radioactive Material Authorizations applications. RCC safety evaluations of the proposed uses of radioactive material, which take into consideration such matters as the adequacy of facilities and equipment, training and experience of the user, and the operating or handling procedures, are necessary in order for the RCC to accomplish its function and mandatory if WRAMC desires to possess a NRC License for radioactive material.

CONTENTS OF THIS MEMO WERE APPROVED BY THE WRAMC RADIATION CONTROL COMMITTEE
ON 2 JUNE 1983

MEMO Number 4 (Organization and Function of the Radiation Control Committee Subcommittee)

3. SUBCOMMITTEE PURPOSES, FUNCTIONS AND ORGANIZATION

a. Standing Subcommittee are as follows:

- (1) Subcommittee for Human Use of Ionizing Radiation (Annex A)

b. Special Subcommittees

Special subcommittees are appointed by the Radiation Control Committee as required.

c. Membership on Subcommittee

- (1) Determined by areas of special competence or training as required by purpose for subcommittee.
- (2) Individual are nominated and approved by the Radiation Control Committee at its quarterly meeting. Individuals nominated and approved need not be members of the Radiation Control Committee.

d. Chairperson of Subcommittee

- (1) Should be a member of the Radiation Control Committee.
- (2) Appointed by the Chairperson, Radiation Control Committee.

e. Meetings of Subcommittees

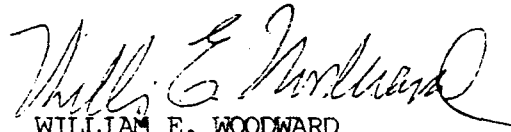
- (1) Time/Frequency: As required.
- (2) Quorum: Consists of more than 50% of the designated members of of the subcommittee.
- (3) Voting: All designated members of the subcommittee will vote on issues brought before the subcommittee requiring actions. Members with a vested interest in a particular issue will disqualify themselves from voting on that issue.
- (4) Reports: At quarterly Radiation Control Committee Meeting.

19 July 1983

MEMO Number 4 (Organization and Function of the Radiation Control Committee Subcommittee)

4. RADIATION MATERIAL AUTHORIZATIONS

The Radioactive Material Authorization Application review process is outlined in Annex B.



WILLIAM E. WOODWARD

LTC, MSC

Health Physics Officer

ANNEXES

- A - Subcommittee for Human Use of Ionizing Radiation
- B - WRAMC Regulation 40-10, "Health Physics," Chapter 3, "Authorization to Use Radioactive Material."

19 July 1983

ANNEX A

SUBCOMMITTEE FOR THE HUMAN USE OF IONIZING RADIATION

1. PURPOSE

a. To review proposals/requests for the human use of ionizing radiation and to recommend approval/disapproval.

b. To give interim approval/disapproval on requests for the human use of ionizing radiation and make recommendations to the RCC.

c. To Consider, make recommendations on, act on all other matters referred to it by the Radiation Control Committee.

2. MEMBERSHIP. The subcommittee for Human Use of Ionizing Radiation shall consist of at least the following six (6) individuals:

a. A person with special competence in health physics and radiation safety.

b. A physician recognized as a specialist in radiation therapy.

c. A physician recognized as a specialist in nuclear medicine.

d. A person qualified by training and experience to formulate radioactive drugs.

e. A physician with special competence in internal medicine or hematology.

f. A representative of the Judge Advocate's Office.

Additional members may be appointed to the subcommittee in order to achieve sufficient diversity in the membership. These members shall be qualified in various disciplines pertinent to the field of human use of ionizing radiation (e. g. radiation biology, radiation physics, clinical pathology, radiology and endocrinology).

ANNEX B

CHAPTER 3

Authorization to Use Radioactive Material

3-1. General.

a. The NRC has issued a specific "License of Broad Scope for By-Product Material" to WRAMC allowing use of specific types and quantities of radioactive material. NRC requirements stipulate that a Radiation Control Committee be established to exercise administrative control over the safe use of radioactive materials. The WRAMC RCC was chartered to meet these requirements.

b. The RCC issues Radioactive Material Authorizations to Principal Users as a means of controlling the use of radioactive material. All users of radioactive material must receive their authorization prior to using the material.

c. Non-Human Use Radioactive Material Authorizations are issued for 3 years. Human Use Authorizations are issued for 1 year. Both types of authorizations may be renewed upon request.

d. Individuals possessing more than 1/2 pound of pure natural uranium compounds are required to obtain an authorization.

3-2. Application Procedure.

a. To obtain, amend, renew or terminate authorization for use of radioactive material, individuals must submit "Application to Use Radioactive Materials," WRAMC Form 1661-R-Human Use or WRAMC Form 1662-R-Non Human Use. Applications will be submitted to the HPO for review and approval. All applications for human use of radioisotopes must be submitted to the Human Use Subcommittee for review of physician training and experience before HPO review. Each Principal User and Co-Worker must submit WRAMC Form 1643, "Training and Experience of Authorized Radioisotope Users", with the application. Each physician listed on a Human Use Authorization is required to submit NRC Form 313-M, Supplement B, Preceptor Statement, with the application.

b. Protocols describing the use and accountability of Tritiated Thymidine, Phosphorous-32 and unbound Iodine from the time of receipt until the time of disposal will be submitted with the application. The HPO may require protocols for other radioisotopes.

c. All requested information on the application will be provided. Incomplete applications will be returned, causing a delay in approval.

d. Application for use of gamma cell irradiators must include a copy of the proposed SOP addressing personnel safety, routine operation and emergency provisions.

WRAMC RADIATION CONTROL COMMITTEE MEMBERSHIP

<u>TITLE</u>	<u>MEMBER/SIGNATURE</u>
DEPUTY COMMANDER (Chairperson) (576-1394/5)	RUMBAUGH, James H., COL, MC
CHIEF, DEPARTMENT OF MEDICINE (Member) (576-1205)	HUNT, Keith K., Jr., COL, MC
CHIEF, DEPARTMENT OF NURSING (Member) (576-1870)	ADAMS-ENDER, Clara L., COL, ANC
CHIEF, DEPARTMENT OF PATHOLOGY (Member) (576-1280)	CLARK, Gary B., COL, MC
CHIEF, DEPARTMENT OF RADIOLOGY (Member) (576-1930)	HAGAN, Raoul, COL, MC
CHIEF, RADIATION ONCOLOGY SERVICE (Member) (576-1180)	MC NAB, James F., MAJ, MC
CHIEF, NUCLEAR MEDICINE SERVICE (Member) (576-0168)	VAN NOSTRAND, Douglas, LTC, MC
HEALTH PHYSICS OFFICER (Member) (427-5161)	CONNOCK, Gerald M., MAJ, MS
SENIOR NUCLEAR PHARMACIST (Member) (576-0177)	STOOPS, Howard, CPT, MS
ASSISTANT HEALTH PHYSICS OFFICER (Recorder) (427-5104)	HINTENLANG, David E., CPT, MS
DIRECTOR, WRAIR (Member) (576-3551/2/87/3607)	TOP, Franklin H., Jr., COL, MC
RADIATION SAFETY OFFICER, WRAIR (Member) (576-3428)	BASS, Billy G., DAC
RADIATION PROTECTION OFFICER, AFIP (Member) (576-2973)	MC CARTHY, Michael J., LTC, USAF, MC
RADIATION PROTECTION OFFICER, USAMRIID (Member) (393-1839 X7373)	KUEHNE, Ralph, MS, DAC
ASSISTANT HEALTH PHYSICS OFFICER (ALTERNATE RPO) (427-5107)	STAFFORD, James E., DAC

CURRICULUM VITAE
FOR
JAMES H. RUMBAUGH, MD

PERSONAL DATA:

Born: []

Family: []

Rank: Colonel, US Army

Date of Rank: 12 June 1979

EDUCATIONAL BACKGROUND:

Elementary and High School: Numerous elementary and high schools (military dependent), graduated from Corry High School, Corry, PA []

Undergraduate School: Thiel College, Greenville, PA, [] BA History
Varsity letters in four sports, President of Student Body, Who's Who in American Colleges and Universities

Medical School: Thomas Jefferson University, College of Medicine, Philadelphia, PA, M.D., [] President of Sophomore, Junior and Senior Classes

INTERNSHIP:

US Army, Walter Reed General Hospital

1964-65

RESIDENCY:

US Army, Walter Reed General Hospital, Adult Psychiatry
Diplomate, Washington School of Psychiatry in Group Psychotherapy
US Army, Walter Reed General Hospital, Child Psychiatry

1965-68

1966-68

1972-74

BOARD CERTIFICATION:

American Board of Psychiatry and Neurology (Psychiatry), 1972
Board Eligible, Child Psychiatry, 1974
National Board of Medical Examiners, 1965

STATE LICENSURE:

Hawaii #MD-02140
Maryland D 17555
Virginia 010-028160

EX6

ASSIGNMENTS/POSITIONS HELD:

Chief Resident, Psychiatry Outpatient Clinic, Walter Reed General Hospital	1968
Division Psychiatrist, 1st Cavalry Division, Republic of Vietnam	1968-69
Division Surgeon, 9th Infantry Division, Republic of Vietnam	1969
Chief, Mental Health Community Service, Schofield Barracks, Hawaii	1969-70
Asst Chief, Psychiatry Service, Tripler Army Hospital, Hawaii	1970-71
Consultant for Drug & Alcohol Programs for US Army Hawaii & US Army Pacific	1971-72
Clinical Instructor in Psychiatry, University of Hawaii Medical School	1970-72
Resident, Child Psychiatry, Walter Reed Army Medical Center	1972-74
Director, Community Mental Health and Military Psychiatry Training, Walter Reed Army Medical Center	1974-77
Chief, Alcoholism and Drug Service, Walter Reed Army Medical Center	1975-77
Psychiatry & Neurology Consultant to The Surgeon General	1977-78
Chief, Medical Corps Career Activities Office (Worldwide assignment and career management of over 5,000 US Army physicians & physician assistants)	1978-82
US Army War College	1982-83
Commander, Womack Army Community Hospital/XVIII Airborne Corps Surgeon, Ft Bragg, NC	1983-85
Deputy Commander for Clinical Services, Walter Reed Army Medical Center	1985-Present

APPOINTMENTS:

Member of National Advisory Council on Aging, National Institutes of Health	1977-82
Special Advisor to the White House Conference on Aging	1981
Medical School Admissions Committee Member, Uniformed Services University of the Health Sciences, Bethesda, MD	1978-81
Board Examiner, American Board of Psychiatry and Neurology	1978-81
APA Committee on Federal Government Health Services	1978-79

PROFESSIONAL ORGANIZATIONS:

Association of Military Surgeons of the United States
Washington Psychiatric Society, Washington, DC
Society of Medical Consultants to the Armed Forces
American Psychiatry Association
American Academy of Medical Directors

AWARDS & DECORATIONS:

Expert Field Medical Badge
US & Egyptian Parachutist Badges
Bronze Star Medal
Meritorious Service Medal
Army Commendation Medal
National Defense Service Medal
Armed Forces Reserve Medal
Republic of Vietnam Campaign Ribbon
Vietnam Service Medal
Overseas Medal
"A" Professional Designator in Psychiatry
Legion of Merit

PUBLICATIONS:

H. Holloway, F. Jones, N. Camp, H. Silsby, J. Rumbaugh, A. Johnson; "Vietnam Military Psychiatry Revisited," Symposium on Contemporary Issues in Military Psychiatry. Syllabus and Scientific Proceedings, 135th Annual Meeting, American Psychiatric Association, 1982.

J. Rumbaugh, S. Xenakis, R. Hales; Educating "Military Psychiatrists in the Community," Symposium on Military Psychiatry in 1980. Syllabus and Scientific Proceedings, 134th Annual Meeting, American Psychiatric Association, 1981.

P. Ellsworth & J. Rumbaugh, "Community Organization and Planning Consultations: Strategies for Community-Wide Assessment and Preventive Program Design, Occupational Therapy in Mental Health, 1980, Vol. 1, No. 1, Haworth Press, Fifth Ave, NY, NY.

J. Rumbaugh, Family Life Program, US Army Hawaii Publication, Honolulu, HI, 1972.

RESEARCH:

Assisted in research design and implementation of experimental operant ward at Walter Reed Army Medical Center for dysfunctional soldiers; participation cited in: Boren, J. J. and Colman, A. D., "Some Experiments on Reinforcement Privileges Within a Psychiatric Ward for Delinquent Soldiers," Journal of Applied Behaviour Analysis, 1970, Vol. 3, pp 29-37. "The Rumbaugh Run."

Co-researcher with Dr. Edwin Weinstein, Mt. Sinai Hospital, NY, NY, "Language Patterns and Symbolism in Conversion Hysteria" in writing for publication.

MISCELLANEOUS:

Presented panels and discussed papers at national meetings in areas relating to child, family, community and military mental health issues:

American Association Psychiatric Services for Children, New York, 1973-74

American Psychiatric Association Meeting, Detroit, 1974

American Association Psychiatric Services for Children, Chicago, 1973

Orthopsychiatry, Atlanta, 1975

American Psychiatric Association National Meetings, 1978-82 (Co-chariman of Scientific Symposiums at the 1981 and 1982 Annual Meetings)

Consultant to Family Crisis Intervention System, Erie County Mental Health Commissioner, Erie County, PA. Assisted this group in establishing a state-wide model of crisis intervention utilizing mental health and police personnel, 1974-75

CURRICULUM VITAE

NAME: Keith Kellogg Hunt, Jr. DATE OF RANK: 3 June 1977
RANK: Colonel, Medical Corps MOS: 60F
SSN: [] MILITARY SERVICE: 1 July 1962 to present
CURRENT ASSIGNMENT: Chief, Department of Medicine, Walter Reed Army Medical
Center, Washington, DC 20012 (Telephone: 576-1205)
BUSINESS ADDRESS: Box 300, Walter Reed Army Medical Center, Washington, DC 20012

DATE OF BIRTH: []

PLACE OF BIRTH: []

RELIGION: []

NAME OF SPOUSE: []

DATE MARRIED: []

CHILDREN: []

HOME ADDRESS: []

Ex 6

PROFESSIONAL EDUCATION AND TRAINING

University of Virginia
University of Virginia Medical School

BA, Psychology
MD

Rotating Internship
Tripler Army Medical Center
Honolulu, Hawaii

Jul 1962 - Jun 1963

General Practice
Walson Army Hospital
Fort Dix, New Jersey

Sep 1965 - Aug 1966

Internal Medicine Residency
Walter Reed Army Medical Center
Washington, DC

Sep 1966 - Aug 1969

Pulmonary Fellowship
Walter Reed Army Medical Center
Washington, DC

Sep 1969 - Aug 1970

SPECIALTY CERTIFICATION:

American Board of Internal Medicine
Diplomate in Subspecialty of Pulmonary Disease
Recertification, American Board of Internal Medicine

23 October 1970
17 October 1972
29 October 1977

PROFESSIONAL ASSIGNMENTS:

Chief, Department of Medicine Walter Reed Army Medical Center Washington, DC 20012	1 July 1982
Medical Consultant to the Surgeon General	5 January 1982 - 1 July 1982
Chief, Pulmonary Disease Service Walter Reed Army Medical Center Washington, DC 20012	1 July 1974 - 1 July 1982
Consultant to the Surgeon General in Pulmonary Disease	27 August 1980
Associate Professor, Internal Medicine Uniformed Services University of the Health Sciences Bethesda, Maryland	14 January 1980
Pulmonary Division Program Coordinator Department of Medicine Uniformed Services University of the Health Sciences Bethesda, Maryland	August 1978
Clinical Assistant Professor of Medicine Georgetown University Washington, DC	1 July 1977
Chief, Pulmonary and Infectious Disease Service Madigan Army Medical Center Tacoma, Washington	24 August 1970 - 30 June 1974
Director, Clinical Clerkship Program Madigan Army Medical Center Tacoma, Washington	March 1972 - March 1974
Attending Physician Harborview Medical Center Seattle, Washington	October 1971 - June 1974
Battalion Surgeon 27th Infantry Battalion, 25th Infantry Division Schofield Barracks, Hawaii	July 1963 - August 1965

PROFESSIONAL SOCIETIES

Society of Medical Consultants to the Armed Forces (Associate Membership), 20 April 1982
Fellow American College of Physicians, March 1974
Fellow American College of Chest Physicians, October 1973
American Thoracic Society
Maryland Thoracic Society
District of Columbia Thoracic Society
Association of Military Surgeons of the United States

SPECIAL HONORS

Distinguished Military Graduate, ROTC, University of Virginia	1958
Meritorious Service Medal	11 November 1974
Outstanding Teacher Award - Presented by the Intern Class of 1971, Madigan Army Medical Center	1971
Selected for ACP-MKSAP Faculty, Washington, DC	September 1977
"A" Professional Designator Award, US Army	December 1979
Selected for ACP-MKSAP Faculty, Washington, DC	February 1980
Meritorious Service Medal	4 March 1980
American College of Chest Physicians Governor for the Army	October 1981
Army Achievement Medal	28 September 1981
Selected to Order of Military Medical Merit	13 November 1982

COMMITTEE ASSIGNMENTS

Human Subjects Research Review Board for the Surgeon General US Army	Jan - Jul 1982
Member, Steering Committee of the Section on Clinical Pulmonary Medicine of the American College of Chest Physicians	November 1981
Walter Reed Army Medical Center Steering Committee on Holistic Medicine	1981
Department of Medicine Education Committee, Walter Reed Army Medical Center	December 1978
Executive Committee, District of Columbia Thoracic Society	July 1976 - June 1977
Education Committee, Walter Reed Army Medical Center	July 1974 - present
Education Committee, Madigan Army Medical Center	Sep 1970 - Jun 1974
Rabies Committee, Madigan Army Medical Center	Sep 1970 - Jun 1974
Infection Committee, Madigan Army Medical Center	Sep 1970 - Jun 1974

PUBLICATIONS

Hunt, KK. The second-strength PPD test. NEJM 1971; 28:1326 (Letter).

Epstein R, Cole R, Hunt KK. Pleural effusion secondary to pulmonary cryptococcosis. Chest 1972; 61:296-298 (case report and review).

Matthews JI, Molitor JT, Hunt KK. Pyrimethamine-induced leukopenia and thrombocytopenia in a patient with malaria and tropical sprue: Case report. Military Medicine 1973; 138:280-283 (case report and review).

Schwartz MI, Goldman AL, Roycroft DW, Hunt KK. Vascular invasion by chondrosarcoma simulating pulmonary emboli. Am Rev Resp Dis 1972; 106:109-113 (case report and review).

Epstein RL, Hall RV, Gillespie JT, Hunt KK. Asymptomatic right lower thoracic nodule. Chest 1972; 62:741-742 (case report).

Hunt KK. Post-cyclophosphamide pneumonitis. NEJM 1972; 287:668-669 (letter).

Hunt KK, Cole R. Cardiomegaly and pectus excavatum. Chest 1973; 64:511-512 (case report).

Hunt KK, Epstein RL. Pulmonary sarcoidosis simulating metastatic malignancy: Case report. Military Medicine 1974; 139:552-553 (case report).

Hunt KK. Book review of Respiratory Physiology. Military Medicine 1975; 140:116.

Patterson JR, Blaschke TF, Hunt KK, Meffin PJ. Lidocaine blood concentrations during fiberoptic bronchoscopy. Am Rev Resp Dis 1975; 112:53-57 (article).

Hunt KK, Enquist RW, Bowen TE. Multiple pulmonary nodules with central cavitation. Chest 1976; 69:529-530 (case report and review).

Ward GW, Hunt KK, Evans R, Hase TS. Immunofluorescent techniques in examination of lung pathology. J Allergy and Clin Immunology 1976; 57:218 (abstract).

Tellis CJ, Hunt KK. Eosinophilic granuloma of the lung. Military Medicine 1978; 143:256-262 (review).

Hunt KK. Book review of Broncho-Pulmonary Immunopathology. Military Medicine 1978; 143:178.

Hooper RG, Tellis CT, Hunt KK. Methodology in transbronchial lung biopsy. Chest 1977; 73:130 (letter).

Hunt KK. Book review of Recent Advances in Respiratory Medicine. Military Medicine 1977; 142:886.

Hunt KK. Book review of Pulmonary Emergencies. Military Medicine 1978; 143:551.

Hunt KK. Book review of Practical Points in Pulmonary Disease. Military Medicine 1978; 143:702.

- Hunt KK. Book review of Respiratory Physiology II. Military Medicine 1979; 144:66
- Matthews JI, Torrington KG, Hunt KK. Superior vena cava syndrome. Am Rev Resp Dis 1979; 119:683-684 (case report).
- Hunt KK. Book review of Lung Sounds. Military Medicine 1979; 144:202.
- Hunt KK. Book review of Status Asthmaticus. Military Medicine 1979; 144:332.
- Hunt KK. Book review of Pulmonary Tuberculosis, A Journey Down The Centuries. Military Medicine 1979; 144(6):424.
- Matthews JI, Hooper RG, Hunt KK. Hernia of foramen of Morgagni presenting as pleural mass. Southern Med J 1979; 72:1348-1349.
- Hunt KK. Book review of Tuberculosis - Discussions in Patient Management. Military Medicine 1979; 144:807.
- Hunt KK. Book review of Selected Papers in Respiratory Therapy. Military Medicine 1979; 144:822.
- Beechler CR, Enquist RW, Hunt KK, Ward GW, Knieser MR. Immunofluorescence of transbronchial biopsies in Goodpasture's syndrome. Am Rev Resp Dis 1980; 121:869-872 (article).
- Hunt KK. Book review of Pulmonary Physiology in Clinical Medicine. Military Medicine 1980; 145:846.
- Spratling L, Hunt KK, Tellis CJ. Diagnosis of blastomycosis by transbronchial lung biopsy. Military Medicine 1981; 146:279-280 (case report).
- Rajagopal KR, Abbrecht PH, Tellis CJ, Hunt KK. Hypercapnic and flow resistive loading responses in obstructive sleep apnea patients. Am Rev Resp Dis 1981; 123(4):188.
- Rajagopal KR, Abbrecht PH, Derderian SS, Bennett LL, Doblar DD, Kahn RC, Ray C, Hunt KK. High frequency ventilation in bilateral broncho-pleural fistula. Am Rev Resp Dis 1981; 112(4):67.
- Hunt KK. Book review of Manual of Clinical Problems in Pulmonary Medicine. Military Medicine 1981; 146:406.
- Hunt KK. Book review of The Lung: Radiologic-Pathologic Correlations. Military Medicine 1981; 146:538.
- Derderian SS, Rajagopal KR, Abbrecht P, Bennett LL, Doblar D, Hunt KK. High frequency positive pressure jet ventilation in bilateral bronchopleural fistulae. Critical Care Medicine 1982; 10:119-121.
- Hunt KK. Book review of Obstructive Pulmonary Disease. Military Medicine 1982; 147:233.
- Hunt KK. Book review of Clinical Pulmonary Medicine. Military Medicine 1982; 147:413.

Hunt KK. Book review of Manual of Acute Respiratory Care. Military Medicine 1982; 147:599.

Hunt KK. Book review of Pulmonary Diseases. Military Medicine 1982; 147:1017.

Hunt KK. Book review of Pulmonary Emergencies. Military Medicine 1983; 148:121.

Hunt KK. Book review of Problems in Pulmonary Medicine for the Primary Physician. Military Medicine 1983; 148:274.

CURRICULUM VITAE

NAME: CLARA L. ADAMS-ENDER

RANK: Colonel

POSITION: Chief, Department of Nursing
Walter Reed Army Medical Center
Washington, D.C. 20307-5001

PERSONAL HISTORY:

- a.
- b.
- c.
- d.
- e.
- f.
- g.

EDUCATION:

INSTITUTION/PLACE	FROM/TO	MAJOR	DEGREE
NC Agricultural & Technical State University, Greensboro, North Carolina	[]	Nursing	BS
University of Minnesota Minneapolis, Minnesota		Med-Surg Nursing	MS
Command & General Staff College, Fort Leavenworth, Kansas		Military Art & Science	MMAS

MILITARY SERVICE SCHOOL	LOCATION	GRADUATION
ANC Officer Basic Orientation	Medical Field Service School, FSHTX	1961
Recovery Room & Intensive Care Surgical Nursing Course	Fitzsimons AMC, Denver, CO	1963
ANC Officer Basic Orientation	Academy of Health Sciences, FSHTX	1974
Chief Nurses Orientation Course	Academy of Health Sciences, FSHTX	1974
Command & General Staff College	Ft Leavenworth, KS	1976
Inspector General's Course	HQDA, Washington, DC	1976
Personnel Management for Executives	DA Regional Training Center, Europe	1979

EX 6

MILITARY SERVICE SCHOOL	LOCATION	GRADUATION
USAREC Recruiting Commanders' Course	Ft Ben Harrison, IN	1981
USAREC Recruiting Managers' Course	Ft Ben Harrison, IN	1981
US Army War College	Carlisle Barracks, PA	1982

PAST ASSIGNMENTS:

ORGANIZATION	LOCATION	POSITION	DATE
Walson Army Hospital	Fort Dix, NJ	Gen Duty Nurse	1961-1963
121st Evac Hospital	ASCOM, Korea	Staff Nurse	1963-1964
US Army Medical Trng Cen	Fort Sam Houston, TX	Instructor	1965-1967
WRAIN Center, University of Maryland	Washington, DC	Instructor/ Asst Prof	1969-1974
USAMEDDAC, Kimbrough Army Hospital	Fort Meade, MD	Asst Ch, Dept of Nursing	1974-1975
HQ, Health Services Command	Fort Sam Houston, TX	Insp General(IG)	1976-1978
Frankfurt Army Regional Medical Center	Frankfurt, West Germany	Asst Ch and Ch, Dept Nurs	1978-1981
US Army Recruiting Command	Ft Sheridan, IL	Ch, ANC Div	1981-1984
Walter Reed Army Medical Center	Washington, DC	Ch, Dep Nurs	1984-Pres

ACADEMIC APPOINTMENTS:

Instructors	WRAIN Center, Univ of MD School of Nursing	1969-1971
Assistant Professor	WRAIN Center, Univ of MD School of Nursing	1971-1974
Adjunct Assistant Professor	Georgetown Univ School of Nursing, Washington, DC	1985-Pres

PROFESSIONAL ORGANIZATIONS:

American Nurses Association	1962-Pres
National League for Nursing	1973-Pres
Sigma Theta Tau Honor Society	1968-Pres
Chi Eta Phi Sorority, Inc.	1972-Pres
Foundation of Thanatology	1970-Pres
American Organization of Nurse Executives	1980-Pres
Association of US Army	1976-Pres
Retired Army Nurse Corps Association	1981-Pres
Federal Women's Program	1977-Pres
American Red Cross Nurse (#33046)	1981-Pres
Member, Legislative Committee, DC Nurses Assoc.	1984-Pres

PROFESSIONAL ORGANIZATIONS:

American Nurses' Foundation Century Club
ANA Council of Nursing Administration

1982-Pres
1985-Pres

PUBLICATIONS:

"The Role of the Nurse in the Maintenance and Restoration of Hope".
Bereavement: Its Psychosocial Aspects, ed. Schoenberg, et al., New York:
Columbia University Press, 1975, (Co-author).

Attitudes Toward Fear of Death and Dying Among Army Officers, Defense
Documentation Center, Department of Army Washington, DC 1976.

"Department of Nursing Support to Ambulatory Care - Issues, Dilemmas and
Proposed Solution", Medical Bulletin, September 1980.

"Development of Clinical Head Nurses as Managers of Nursing Care", Medical
Bulletin, June 1981.

"Identify Crisis and Dilemmas in Ambulatory Health Care Delivery", Medical
Bulletin, January/February, 1982.

"Answers to Questions About Army Nurse Recruiting," All Volunteer, February
1984.

"Nurse Salaries", Recruiter Journal, May 1984.

HONORS:

*First female in Army to qualify and be awarded the Expert Field Medical Badge
in July 1967.

*Secondary zone promotions to Major, Lieutenant Colonel and Colonel.

*ANC selectee to attend Command & General Staff College (CGSC) in 1975.

*First nurse, black and female to be awarded the Master of Military Art and
Science Degree, CGSC, Fort Leavenworth, Kansas 1976.

*First nurse and female to qualify and serve as Senior Marcher for 700 USAREUR
soldiers in the four-day, 100-mile Nijmegen March, Nijmegen, Holland in July
1980.

*First black ANC Officer to graduate from the US Army War College (USAWC) in
1982.

*Awarded the "A" professional designator by TSG for continued demonstration of
exceptional ability in the field of Nursing Administration in June 1985.

AWARDS AND DECORATIONS:

	<u>YEAR</u>
Army Commendation Medal	1967
Outstanding Young Woman of America	1968
Personality of the South	1969
Cum Laude Graduate University of Minnesota	1969
Meritorious Service Medal	1974
Female Athlete of the Year, CGSC	1976
Meritorious Service Medal w/2OLC	1978
Presidential Sports Award - Backpacking	1980
Omega Psi Phi Fraternity's Citizen of the Year	1981
Meritorious Service Medal w/3OLC	1982
Roy Wilkins Meritorious Service Award of the NAACP	1983
Certificate of Achievement - University of MN Distinguished Grad	1984
Who's Who in American Nursing	1984
Black Nurse of the Year	1985
The World Who's Who of Woman	1896

CONSULTANT POSITIONS;

Member of Editorial Board, Foundation of Thanatology	1970-1973
Nurse Consultant to Children's TV Workshop, NY	
Consultant to Chief, ANC on Recruitment & Retention of Minority Students in Nursing	1972-1975
Chief Nurse, 32nd Combat Support Hospital, 7th MEDCOM	1978-1979
Specialty Consultant, Medical-Surgical Nursing, 7th MEDCOM	1978-1981
Member, Visiting Committee, Frances Payne Boltonson, Case Western Reserve University, Cleveland, OH	1985-Pres
Nurse Consultant, WRAMC Health Services Region	1984-Pres

COMMUNITY ORGANIZATIONS & ACTIVITES:

*National Association for Advancement of Colored People	Life Member
*Teaching of Conversational English to German Citizens	1978-1981
*Promoting of German-American Relations Among Health Care Professionals	1978-1981
*National Council of Negro Women	1972-Pres
*International Volksmarching Assn (IVV)	1980-Pres
*Board Member, NE Illinois' Council, Boy Scouts of America	1983-1984
*US Army War College Alumni Assn	Life Member
*Member, Wash DC Area 500 Club in Bowling	1984-Pres
*NC A & T Alumni Association	1961-Pres
*University of Minnesota Alumni Association	1970-Pres
*Walter Reed Officers' Wives Club	1984-Pres
*Army Officers Wives Club of the Greater Washington Area	1985-Pres

PROFESSIONAL PRESENTATIONS:

<u>SUBJECT/TITLE</u>	<u>AUDIENCE/LOCATION</u>	<u>DATES</u>
Implementation of ANC Standards of Nursing Practice	Army Nurse Corps Executives/ HQ 7th MEDCOM, Heidelberg, FRG	Jun 1980
Identify Crisis and Dilemmas In Ambulatory Health Care Delivery	Ambulatory Patient Care Conf Garmisch, West Germany	Dec 1980

SUBJECT/TITLE	AUDIENCE/LOCATION	DATES
Nursing Opportunities in the Army Nurse Corps	Nurse Educators/ San Francisco, CA	Mar 1982
Ingredients of a Successful Person	Federal Womens Program	May 1982
Who am I? Where Am I Going?	Nurse Educators/ Washington, DC	Jun 1982
The Army Nurse Corps— An Opportunity for Excellence in Nursing Practice	Nurse Educators/ Washington, DC	Feb 1983
What are Qualities for Success in the Workplace?	Chicago Federal Womens Program, Chicago, IL	May 1983
Marketing the US Army Reserve for ANC Officers	USAR Chief Nurses/ St. Louis, MO	Jun 1983
ANC Opportunities in the US Army Reserve	Professional Nurses/ Cleveland, OH	Sep 1983
A Career of Excellence in the Army Nurse Corps	Nurse Educators and Students, Omaha, NE	Nov 1983
Preparation for Excellence in Nursing Practice	Connecticut Student Nurses Association Convention, Danbury, CT	Nov 1983
Getting Ready for Success in Life	Eastern Star Chapter, Waukegan, IL	Mar 1984
Nursing Career Opportunities in the Army Nurse Corps	Nurse Educators Boston, MA	Mar 1984
Preparing for Nursing Excellence Towards the Year 2000	Central Carolina Chapter of BNA, Durham, NC	Apr 1984
Management of Nursing Practice in a Major Medical Center	Nurse Educators, Washington, DC	Jun 1984
Research Paper- "Attitudes Toward Fear of Death and Dying Among Army Officers"	Nurse Educators/Graduate Students, Cal State Univ, Long Beach CA	Mar 1985
"Challenges of the Army Officer in the year 2000"	Keynote Speaker, ROTC Ball, Morgan State Univ, Balt., MD	May 1985
Achieving Excellence in Nursing Practice Through the Mentoring Process	Prof Nurses/NAACOG Convention, New Orleans LA	Jun 1985

SUBJECT/TITLE	AUDIENCE/LOCATION	DATES
"The Role of the Supervisor in Management"	Level I Supervisors Course WRAMC, Wash, DC	Jun 1985
"Utilizing the Nursing Process in Nursing Management"	Graduate Students, Georgetown University SON, Wash, DC	Feb 1985
Managing Complex Health Care Systems/Organizations	Graduate Students, Georgetown University SON, Wash, DC	Feb 1985

SHORT COURSES, WORKSHOPS AND CONFERENCES:

TITLE	LOCATION	DATE
Challenges and Opportunities for the Nurse Education and Administrator	San Francisco, CA	1982
Army Nurse Corps Strategic Planning	Nashville, TN	1982
The National Commission on Nursing Recommendations: Challenges and Opportunities Under Prospective Pricing	Chicago, IL	1983
The New Payment Environment and Financial Management for the Nursing Service Administrator	Dallas, Tx	1983
Army Nurse Corps Strategic Planning	Leesburg, VA	1983
Negotiating Skills (Amer Mtg Assn)	Washington, DC	1984
Health Services Command Chief Nurse Conference	San Antonio, TX	1984
AMSUS Convention	San Diego, CA	1984
Health Care Professionals Course on Alcoholism (Tri-Service alcohol Rehabilitation unit)	Bethesda, MD	1985
Investment in Excellence	Washington, DC	1986

SPECIALTY SKILLS

- a. Proficiency in German - Moderate
- b. Proficiency in Spanish - Beginner
- c.

EX 6

HOBBIES:



CURRICULUM VITAE

NAME:

Gary Bruce Clark, M.D.

DATE/PLACE OF BIRTH:

MARRIED:

SOCIAL SECURITY NUMBER:

HOME ADDRESS:

OFFICE ADDRESS:

Walter Reed Army Medical Center
Washington, DC 20307

CURRENT PROFESSIONAL:
APPOINTMENT:

Chief, Department of Pathology and
Area Laboratory Service
Walter Reed Army Medical Center
Washington, DC 20307
1 August 1983 Present

Pathology Consultant
Surgeon General of the Army Pentagon
Washington, DC
1 August 1983 Present

* * * *

ACADEMIC EDUCATION

High School:

Monroe High School
Monroe, Michigan
[]

Undergraduate:

Bachelor of Science
University of Colorado
Boulder, Colorado
[]

Medical:

Doctor of Medicine
University of Colorado
Denver, Colorado
[]

EXC
1

Internship:

Pediatrics
Yale-New Haven Hospital
New Haven, Connecticut
July 1967 - July 1968

Residency:

Pathology (Anatomic/Clinical)
Walter Reed Army Medical Center
Washington, DC.
July 1971 - July 1975

Fellowship:

Neuropathology
Department of Neuropathology
Armed Forces Institute of Pathology
Washington, DC.
February 1978 - February 1980

Subspecialty Symposia:

Mammalian and Human Medical Genetics
Jackson Laboratory
Bar Harbor, Maine
23 July - 3 August 1979

MEDICAL LICENSURE:

Ethiopia, 1973
District of Columbia (No. 7307), 1974-
Present
Colorado (No. 20926), 1977 - Present

BOARD CERTIFICATION:

American Board of Pathology
Anatomic Pathology - May 1978
Clinical Pathology - May 1978
Neuropathology - May 1980

ACADEMIC APPOINTMENTS:

Instructor in Neuropathology
University of Alaska School of Medicine
Fairbanks, Alaska
August 1976 - August 1977

Assistant Professor of Pathology
Uniformed Services University of the
Health Sciences
Bethesda, Maryland
August 1978 - August 1980

Acting Chairman, Department of Pediatric
Pathology
Armed Forces Institute of Pathology
Washington, DC. 20306
1 July 1979 - 18 February 1980

Registrar, Registry of Pediatric
Pathology/Medical Genetics
American Registry of Pathology
Armed Forces Institute of Pathology
Washington, D.C. 20306
1 July 1979 - 18 February 1980

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MILITARY HISTORY

Commission: U.S. Army - Reserve - 14 August 1967
U.S. Army - Regular - 31 January 1980

Rank: Colonel - 4 August 1980

Professional Training: U.S. Army Medical Field Service School
Fort Sam Houston, Texas
August 1967

U.S. Army Infantry School (Airborne)
Fort Benning, Georgia
September 1968

U.S. Army Special Warfare School
Fort Bragg, North Carolina
October - December 1968

Armed Forces Staff College (Class #62)
Norfolk, Virginia
August 1977 - January 1978

Awards and Honors: Purple Heart, November 1969
Bronze Star Medal, February 1970
Bronze Star Medal, First Oak Leaf
Cluster, February 1970
Bronze Star Medal, Second Oak Leaf
Cluster with V Device, May 1970
Air Medal, July 1970
Bronze Star Medal, Third Oak Leaf
Cluster, September 1970
Silver Star, November 1970
Army Commendation Medal, January 1972
Meritorious Service Medal, November 1977
Humanitarian Service Medal, January 1979
Joint Services Commendation Medal,
January 1981
Meritorious Service Medal, First Oak Leaf
Cluster, July 1983

Foreign Awards and Honors:

Vietnamese Parachutist Wings, May 1969
Vietnamese Cross of Gallantry with Silver
Star, March 1970
Greek Parachutist Wings, April 1971
Danish Parachutist Wings, May 1971

* * * *

ORGANIZATIONAL MEMBERSHIP:

American Association of Blood Banks
American Association of Military Surgeons
American Society of Clinical Pathologists
(Fellow)
American Society of Human Genetics
College of American Pathologists (Fellow)
International Academy of Pathology
Pediatric Pathology Club
Washington Society of Pathologists
Paleopathology Association

ORGANIZATIONAL OFFICES:

American Association of Blood Banks
Inspection and Accreditation Program,
1977 - Present
National Membership Committee
1979 - Present

College of American Pathologists
Inspection and Accreditation Program,
1980 - Present
Deputy Commissioner for European
Inspection Program 1980 - 1983

ELECTED SOCIETIES:

Alpha Epsilon Delta, 1960
Phi Sigma Society, 1962
American Alpine Club, 1981

* * * *

PRIOR PROFESSIONAL
APPOINTMENTS

Orthopedic Orderly
Denver, City Hospital
Denver, Colorado
June - September 1980

Research Assistant in Neuroembryology
University of Colorado
Boulder, Colorado
June - September 1961

Research Virologist in Pediatrics
University of Colorado Medical School
Denver, Colorado
(Including three months at National
Institute of Infectious Disease and
Allergy, Bethesda, Maryland)
September 1964 - September 1965

General Medical Officer
U.S. Army Special Forces
Ban Me Thuot, RVN
February 1969 - July 1970

General Medical Officer
U.S. Army Special Forces, Europe
Bad Toelz, FRG
July 1970 - July 1971

Chief of Pathology/Chief of Professional
Services
Operation New Arrivals
47th Field Hospital
Fort Chaffee, Arkansas
April - June 1975

Chief of Pathology/Chief of Professional
Services
Bassett Army Hospital
Fort Wainwright, Alaska
August 1975 - July 1977

ARFOR Command Surgeon
Joint Readiness Exercise JACK FROST
172nd Infantry Brigade
Fort Wainwright, Alaska
1977

Staff Pathologist
Department of Neuropathology
Armed Forces Institute of Pathology
Washington, DC 20307
2 February 1980 - 15 July 1980

Commander
209th General Dispensary
Hanau, FRG
16 July 1980 - 30 May 1981

Surgeon
VII US Corps
Stuttgart, FRG
1 June 1981 - 15 July 1983

Blood Bank Consultant
7th Medical Command
Stuttgart, FRG
23 October 1981 - 15 July 1983

* * * *

PROFESSIONAL
PRESENTATIONS

Course Director
Frozen Blood: Theory and Applications
American Society of Clinical Pathologists
October 1974, Washington, DC.
May 1975, Las Vegas, Nevada
October 1975, Chicago, Illinois
May 1976, Dallas, Texas

Course Director
Pediatric Pathology for General Pathologists
Armed Forces Institute of Pathology
5 - 9 November 1979

Course Director
Pathology of Genetic Disease
Armed Forces Institute of Pathology
11 - 15 February 1980

PUBLICATIONS

Abstracts: The effect of Cortisone on Inflammation in Rabbits; Clark, G.B. and Fulginite, V.; Fed Proc Abstracts, 1965.

Journals: 1. Shatsky, S.A.; Alter, W.A.; Evans, D.E.; Armbrustmacher, V. and Clark, G.: Traumatic Distortions of the Primate Head and Chest: Correlation of Biomechanical, Radiological and Pathological Data; 18th Stapp Car Crash Cong., 1974.

2. Polesky, H.F.; Clark, G.B.; and Radicliiff, J.H.: Frozen Blood Theory and Applications, ASCP Workshop Handbook, 1974.

3. Spees, E.K.; Pool, P.; Sullinger, W.O.; Clark, G.B.; Passerti, F.A.; Sperry, D.; Woodbury, M.A.; Amos, D.B.: HLA Genetic Structure of an Eritrean Semitic Group. In Kissmeyer-Nielson, F., Ed.; Histocompatibility Testing, Copenhagen, Munksgaard, p. 213, 1975.

4. Clark, G.B.: Petroleum, Petrochemicals and Health Care: Energy Issues in Health, DHEW Publication No. (HRA) 79-14510 (1979).

5. Clark, G.B. and Cline, B.: Impact of Oil Shortage on Medical Plastics; Public Health Reports, May - June 1981.

Text: General Pediatric Pathology, Part III (Syllabus); Clark, G.B.,
LTC; Armed Forces Institute of Pathology, Washington, DC., 1981

CURRENT ON-
GOING PROJECTS:

1. Classical genetics, embryology and neuroanatomy of anencephalics. Co-investigators: Everett K. Spees, Jr., Department Surgery, Baltimore City Hospitals; Paul I. Yakovlev, Department of Neuropathology, Armed Forces Institute of Pathology.
2. Correlation of anencephaly with renal function or deformity. Co-investigators: Everett K. Spees, Jr., Department of Surgery, Baltimore city Hospitals.
3. Correlation of clinical prenatal screening and survival prognosis of anencephaly. Co-investigator: Everett K. Spees, Jr., Department Surgery, Baltimore City Hospitals.
4. Correlation of neurological (brain death) criteria with anencephaly. Co-investigator: Everett K. Spees, Jr., Department of Surgery, Baltimore City Hospitals.
5. Correlation of clinical problems, moral and ethical standards and strategy for renal transplantation from anencephalic donors. Co-investigator: Everett K. Spees, Jr., Department of Surgery, Baltimore City Hospitals.
6. Immunoglobulin and HLA polymorphism of a South Vietnamese population group. Co-investigator: Everett K. Spees, Jr., Department of Surgery, Baltimore City Hospitals.
7. Clinical medical characterization of an Ethiopian Eritrean population group. Co-investigator: Everett K. Spees, Jr., Department of Surgery, Baltimore City Hospitals.
8. Correlation of the histology and clinical prognosis of pilocytic astrocytomas of the cerebrum. Co-investigator: James M. Henry, Department of Neuropathology, Armed Forces Institute of Pathology.
9. Correlation of the histology of intracranial teratomas and antigen markers for germ cell elements. Co-investigator: Maria Rueda-Pedraza, Department of Pediatric Pathology, Armed Forces Institute of Pathology.
10. Correlation of modern technocracy to future medical care.

CURRICULUM VITAE

NAME: Racul O. Hagen

DATE AND PLACE OF BIRTH: []

PREMEDICAL EDUCATION: B.A., University of Iowa, [] 7

MEDICAL EDUCATION:

School: M.D., Univ. of Iowa Medical School, []

Internship: Rotating, St. Benedict's Hospital, Odgen, Utah
1 July 1958 - 30 June 1959

Residency: Radiology, Tripler Army Hospital, 1963-1965
Radiology, Walter Reed General Hospital, 1965-1966

MILITARY ASSIGNMENTS:

Clinical Clerk, Letterman General Hospital, July-September 1957.

Army Senior Medical Student Program, Iowa City, Iowa, September 1957-June 1958

General Medical Officer, Prison doctor, Dermatologist, and Flight Surgeon,
Fort Leavenworth, Kansas, 1959-1963

Radiologist and Chief, Radiation Therapy Service, Department of Radiology
Brooke General Hospital, 1967-1968

Chief of Radiology, 93rd Evacuation Hospital, Vietnam
September 1968 - September 1969

Chief, Professional Services, 93rd Evaluation Hospital, Vietnam
1 March - 1 September 1969

Consultant in Radiology, USARV
June-August 1969.

Radiologist, Brooke General Hospital
September 1969 - July 1970

Chief, Department of Radiology, Brooke Army Medical Center
July 1970 - June 1979

Radiology Consultant to Health Services Command
1975 - June 1979

Radiology Consultant to The Surgeon General
January 1978 - July 1982

Chief, Department of Radiology, Tripler Army Medical Center
July 1979 - August 1984

Ex 6

Curriculum Vitae (con't)
Raoul O. Hagen, M.D.

Chief, Department of Radiology, Walter Reed Army Medical Center
September 1984 - present

Radiology Consultant to The Surgeon General
September 1984 - present

ACADEMIC APPOINTMENTS:

Clinical Instructor, University of Texas Health Science Center, San Antonio
1967

Clinical Assistant Professor, University of Texas Health Science Center,
San Antonio, 1968-1970

Clinical Associate Professor, University of Texas Health Science Center,
San Antonio, 1970-1974

Clinical Professor, University of Texas Health Science Center, San Antonio
1 September 1974 - June 1979

Associate Clinical Professor, University of Hawaii, John A. Burns School of
Medicine, Honolulu, HI, 1982 - 1984

PROFESSIONAL ORGANIZATIONS:

American College of Radiology
Radiological Society of North America
Long Binh Radiological Society

BOARD CERTIFICATION:

American Board of Radiology, December 1967

HONORS:

Prefix "A" in Radiology
Who's Who in Texas
Who's Who in the South and Southwest
Recipient, Magna Cum Laude Award, Radiological Society of North America,
1971, for scientific exhibit
Elected a Fellow, American College of Radiology, 1981

LICENSURE:

Texas
California
Iowa

Curriculum Vitae (con't)
Raoul O. Hagen, M.D.

PUBLICATIONS:

Gastric bezoars: A frequent complication in the postoperative ulcer patient.
Radiology, 197:341-344, May 1973.

Carcinoma of the testis: An analysis of 104 patients with germinal tumors of the testis other than seminoma. Cancer, 31:633-640, March 1973.

Scientific exhibit on "Multisystem radiographic analysis of complications in thermally burned patients", Radiological Society of North America, 1971.

CURRICULUM VITAE
JAMES FYFFE MCNAB, JR., MD

PERSONAL DATA:

Date & Place of Birth:

Citizenship:

United States

Marital Status:

Wife's Name:

Home Address:

Home Phone:

Hospital Address:

Radiation Oncology Service
Walter Reed Army Medical Center
Washington, D.C. 20307-5001

Hospital Phone:

(202) 576-1180

CURRENT POSITION:

Chief, Radiation Oncology Service
Walter Reed Army Medical Center

Radiation Oncology Consultant to the
United States Army Surgeon General

ACADEMIC TRAINING:

[]
[]

The Citadel
Charleston, S.C.

B.S. Biology

Medical College of Georgia
Augusta, Georgia

M.D.

Ex 6

1977 - 1978

Internship (Surgery)
Letterman Army Medical Center
Presidio of San Francisco, California

1978 - 1981

Residency, Therapeutic Radiology
Medical College of Georgia
Augusta, Georgia

ACADEMIC AWARDS AND HONORS:

Four Year ROTC Scholarship
The Citadel 1969-1973

Who's Who In American Colleges and Universities
The Citadel 1973

Four Year Medical School Scholarship
(601-112) 1973-1977
Medical College of Georgia

Clinical Fellowship
American Cancer Society
1980-1981

PROFESSIONAL CERTIFICATION:

1978 Diplomate, National Board of Medical Examiners, #181266

1981 Diplomate, American Board of Radiology in Therapeutic Radiology

PROFESSIONAL EXPERIENCE:

1980 - 1981

Chief Resident, Radiation Oncology Department
Medical College of Georgia

1981 - 1985

Chief, Radiation Oncology Service
William Beaumont Medical Center
El Paso, Texas

PROFESSIONAL ORGANIZATION:

1984 to present	American Society for Therapeutic Radiology and Oncology
1981 to present	Southwest Oncology Group
1978 to 1981	Southeastern Cancer Study Group

PROFESSIONAL LICESURE:

1978 to present	Georgia Medical License #19724
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MILITARY SERVICE:

1973	Commissioned into U.S. Army
1985	Currently Serving with the Rank of Major, U.S. Army Medical Corps.

American College of Radiology

MEMBER



*Be it known by these presents that the Board of Chancellors
of this College, by the authority vested in it, has elected*

James F. McNab, Jr., M.D.

*to membership in the
American College of Radiology*

Given this 15th day of September, 1983



Gerald D. Doll, Jr., M.D.
CHAIRMAN OF THE BOARD OF CHANCELLORS

Sam W. Harris
EXECUTIVE DIRECTOR

The Medical College of Georgia Hospitals

Veterans Administration Hospital - Eugene Calhoun Memorial Hospital - University Hospital

Augusta



Georgia

This Certifies that

James Nyffe McNab, Jr., M.D.

has satisfactorily completed a term of service as

Resident in Therapeutic Radiology

from July 1, 1978 to June 30, 1981.

In Testimony Whereof we affix our signatures at
Augusta, Georgia this 30th day of June, 1981.

Wm. H. Morris
President, Medical College of Georgia

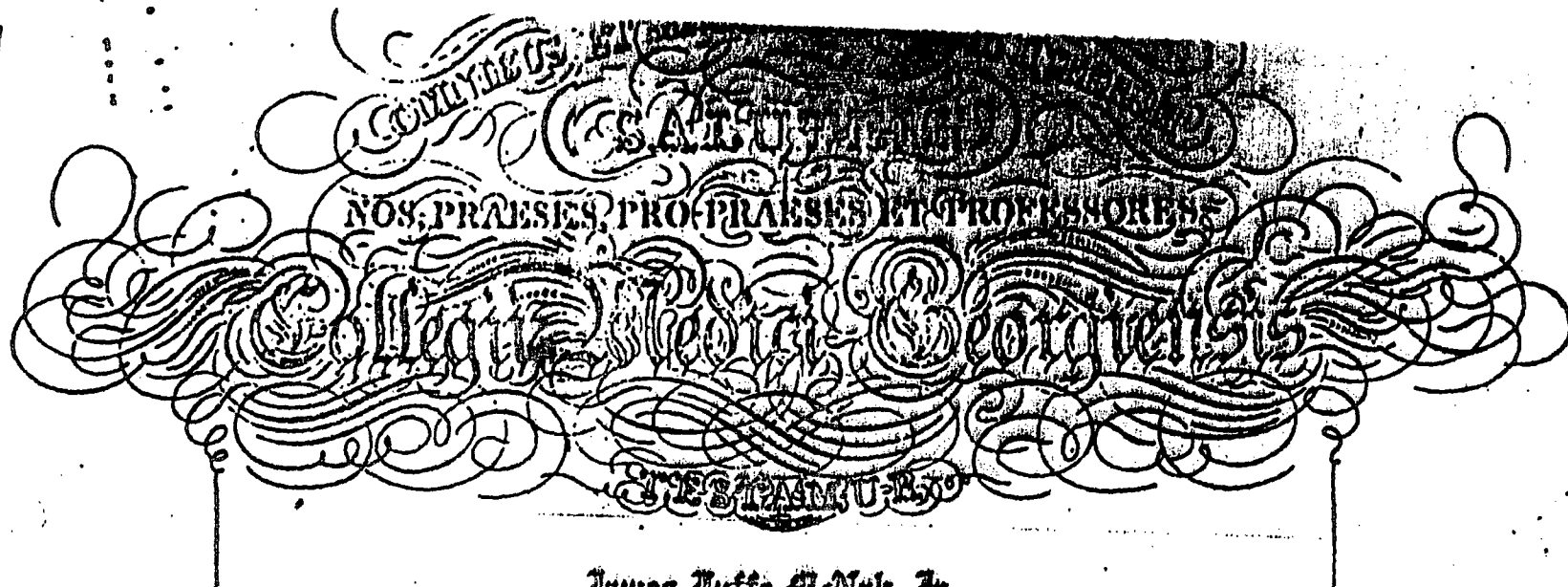
H. Osada
Dean, Medical College of Georgia

Donald Vanh

Administrator, Eugene Calhoun Memorial Hospital

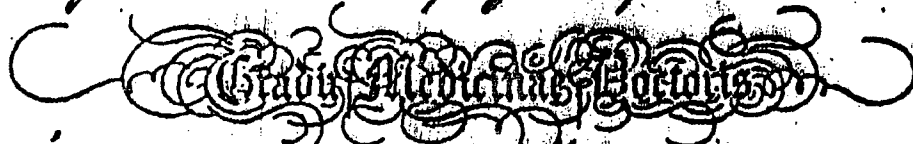
J. M. P. - 1 - 7

7. 1. 81



James Hyffe McNab, Jr.

Postquam se suaeque in Re medica progressus probasset a nobis esse honoratum



*Eique huius Diplomatis virtute potestatem plenissimam Medicinam munera ubique gentium exercendi:
singulaque jura, honores et privilegia quae Doctori Medicinæ, alibi gentium conceduntur, concedimus.*

In cuius fidem, literis hinc, Communi Sigillo Collegii munitis, nomina nostra subscribimus.

Milliesimo Nongentesimo Septuagesimo Septo Mensis Junii Die Undecimo.

George T. L. J. Cancellarius

Frederick C. Decanus

Wm. H. M. Praeses

Walter M. J. Scriba

EX 6

DOUGLAS VAN NOSTRAND
CURRICULUM VITAE

Date of Birth
Place of Birth

EDUCATION

High School

The Lawrenceville School
Lawrenceville, New Jersey

Undergraduate

Duke University,
Durham, North Carolina
Degree: BS

Postgraduate

Emory University School of Medicine
Atlanta, Georgia
Degree: M.D.

Internship

Wilford Hall Medical Center
San Antonio, Texas
Internal Medicine
Director: Gerald Parker, M.D.
1973-1974

Residency

Wilford Hall Medical Center
San Antonio, Texas
Internal Medicine
Director: Charles Coltman, M.D.
1974-1976

Fellowship

National Naval Medical Center
Bethesda, Maryland
Nuclear Medicine
Director: Peter T. Kirchner, M.D.
1976-1978

Diagnostic Ultrasound
Training Program

Thomas Jefferson University
Philadelphia, Pa
Trainee - 3 month course
Director: Barry Goldberg, M.D.
1977

Ex 6

Douglas Van Nostrand
Curriculum Vitae

BOARD CERTIFICATION

Diplomate of National Board of Medical Examiners:	Number 148723, July 1, 1974
Diplomate of American Board of Internal Medicine:	Number 55825, June 16, 1976
Diplomate of American Board of Nuclear Medicine:	Number 04406, Sept. 30, 1978

PRESENT POSITION

Chief, Division of Nuclear Medicine	Walter Reed Army Medical Center Washington, D.C. July 1980 to present Lt Colonel
-------------------------------------	---

APPOINTMENTS

Assistant Professor	Department of Radiology and Nuclear Medicine Uniformed Services Univ of Health Sciences Bethesda, Maryland 14 January 1980 to present
Assistant Clinical Professor	Department of Radiology George Washington University Washington, D.C. July 1981 to present

PREVIOUS POSITIONS

Chief, Division of Nuclear Medicine	Malcolm Grow Medical Center Andrews Air Force Base Washington, D.C. June 1978 - June 1980
Chief, Division of Ultrasound	Malcolm Grow Medical Center Andrews Air Force Base Washington, D.C. June 1978 - June 1980
United States Air Force	Commissioned June 1969 (Active Duty from June 1973 to July 1980)
United States Army	Interservice Transfer, July 1980 (Active Duty from July 1980 to present)

Douglas Van Nostrand
Curriculum Vitae

AWARDS

United States Air Force Commendation Medal

January 5, 1981

LICENSES

State of Maryland
District of Columbia

Number 321922, March 15, 1978
Number 12489, October 1980

SOCIETIES

Society of Nuclear Medicine
American College of Physicians
American College of Nuclear Physicians

PRESENTATIONS

D. Van Nostrand, M.D., W.R. Janowitz, M.D., D.R. Holmes, M.D., H.A. Cohen, M.D.,
"Accuracy of Radionuclide Multiple Gated Acquisition (MUGA) in the Assessment of
Myocardial Wall Motion."

- World Federation of Nuclear Medicine and Biology, Second International Congress, September 1978.
- Society of Nuclear Medicine, Mid-Eastern Chapter, Eighth Annual Meeting, April 1978.
- American College of Physicians, Society of the Air Force Physicians, February 1978.
- American Heart Association, 51st Scientific Session, October 1978.

D. Van Nostrand, M.D., W.R. Janowitz, M.D., H.R. Adams, M.S., P.T. Kirchner, M.D.,
"Comparison of Tc-99m Methylene Diphosphonate (MDP) and Tc-99m Pyrophosphate."

- Society of Nuclear Medicine, Mid-Eastern Chapter, Seventh Annual Meeting, March 1977

Douglas Van Nostrand
Curriculum Vitae

D. Van Nostrand, M.D., P.J. Murphy, M.D., N. Holland, M.D., C.C. Atkins, M.D., F.H. Gerber, M.D., "Efficacy of Postoperative Bone Scanning in the Management of Breast Carcinoma."

- American College of Physicians, Society of the Air Force Physicians, March 1979.
- Society of Nuclear Medicine, Mid-Eastern Chapter, Ninth Annual Meeting, April 1979.
- American Roentgen Ray Society Annual Meeting April 1980.

D. Van Nostrand, M.D., "Gallium Scanning in the Detection of Abdominal Abscesses."

- American College of Surgeons, Spring Surgical Symposium, Walter Reed Army Medical Center and Uniformed Services of Health Sciences April 1981.

D. Van Nostrand, M.D., "I-131 Chest Survey and Metastatic Thyroid Carcinoma."

- Walter Reed Radiological Symposium, May 1981.

M.H. Goldman, M.D., N. Ward, M.D., F. Shawl, M.D., D. Van Nostrand, M.D., "Multiple Cardiac Sequellae of Nonpenetrating Chest Trauma: Noninvasive Assessment and Management."

- Army Association of Cardiology, Brooke Army Medical Center, May 1981.

J. Garcia, M.D., D. Van Nostrand, M.D., W.H. Howard, M.D., R.W. Kyle, B.S., "Spectrum of 67-Gallium Renal Activity in Patients with No Evidence of Renal Disease."

- Society of Nuclear Medicine, Mid-Eastern Chapter, Thirteenth Annual Meeting, April 1983.

R.C. Smallridge, M.D., M.H. Goldman, M.D., K. Raines, M.D., D. Van Nostrand, M.D., "Left Ventricular Function in Hyperthyroidism: Studies Using Radionuclide Angiography."

- Army Association of Cardiology, Dwight Eisenhower Army Medical Center, May 1983.

BOOK REVIEWS

"Nuclear Medicine, Focus on Clinical Diagnosis", Military Medicine, 146:716, 1981.

"Clinical Nuclear Medicine", Military Medicine, 146:876, 1981.

"1982 Yearbook of Nuclear Medicine", Military Medicine, 147:872, 1982.

Douglas Van Nostrand
Curriculum Vitae

ABSTRACTS/PAPERS

D. Van Nostrand, M.D., W.R. Janowitz, M.D., H.R. Adams, M.S., P.T. Kirchner, M.D.,
"Comparison of Tc-99m Methylene Diphosphonate (MDP) and Tc-99m Pyrophosphate."
Medical Imaging, Abstract, September 1977.

W.R. Janowitz, M.D., D. Van Nostrand, M.D., D.R. Holmes, M.D., Lt Cmdr H. Cohen,
"Evaluation of Segmental Left Ventricular Wall Motion by Multiple Gated Radionuclide
Angiography", Circulation, Abstract, Vols. 57 and 58, Supplement II, pp II-9, October
1978.

D. Van Nostrand, M.D., W.R. Janowitz, M.D., D.R. Holmes, M.D., H.A. Cohen, M.D.,
"Evaluation of Segmental Left Ventricular Wall Motion by Multiple Gated Radionuclide
Angiography", Catheterization and Cardiovascular Disease, Vol 5, No 3, pp 547-555,
1979.

D. Van Nostrand, M.D., R.C. Smallridge, M.D., "Thyroid Trapping of Technetium-99m
During In Vivo Labeling of RBC's", J Nucl Med, 23:1146-1147, 1982.

D. Van Nostrand, M.D., J.H. Corley, R.W. Kyle, R.E. Stotler, "Utility of Selective
Spleen Scintigraphy in Clarification of Equivocal Defects on Liver/Spleen Scan", J
Nucl Med, 24:559-562, 1983.

30 August 1985

CURRICULUM VITAE

STOOPS, HOWARD CECIL, RPh

Phone : Home:
Work

I. PERSONAL:

A.
B.
C.
D.

II. ACADEMIC AND PROFESSIONAL EDUCATION:

[] Duquesne University, Pittsburgh PA; B.S. Pharmacy

MAR 85 Triservices Nuclear Pharmacy Orientation Course

MAY 85 Safe Use And Handling Of Radioisotopes Course

JUL 85 Nuclear Pharmacy Extended Training Course

AUG 85 Advanced Nuclear Medicine Technologist Training Course

Military Education

JAN 80 - MAR 80 Medical Service Corps Officer Basic Course,
Ft. Sam Houston TX

MAR 80 - APR 80 Medical Service Corps Pharmacy Officer Orientation Course
Ft. Sam Houston TX

III. PROFESSIONAL LICENSE:

A. Registered Pharmacist, Certificate # RP-030846-L , Pennsylvania State
Board of Pharmacy , September 1979

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IV. PROFESSIONAL EXPERIENCE;

SEP 1985 to Present Chief, Nuclear Pharmacy Department, Nuclear Medicine Service, Walter Reed Army Medical Center, Washinton, D.C.

SEP 1984 to SEP 1985 Nuclear Pharmacy Residency Course, Nuclear Medicine Service, Letterman Army Medical Center, Presidio of San Francisco, CA

APR 1982 to AUG 1984: Chief Sterile Products, Inpatient Pharmacy Service Dwight David Eisenhower Army Medical Center, Ft. Gordon GA.

APR 1980 to MAR 1982: Staff Pharmacist, Outpatient Pharmacy Service Dwight David Eisenhower Army Medical, Ft. Gordon GA.

SEP 1979 to DEC 1979: Staff Pharmacist, Eckerd's Drug Store Erie, PA



DEPARTMENT OF THE ARMY CERTIFICATE OF TRAINING

This is to certify that

CPT HOWARD C. STOOPS

has successfully completed

NUCLEAR MEDICINE TECHNOLOGY REVIEW COURSE

26 - 30 August 1985

Robert J. Lull MD

Given at LETTERMAN ARMY MEDICAL CENTER

ROBERT J. LULL, MD, COL, MC
Chief, Nuclear Medicine Service



DEPARTMENT OF THE ARMY CERTIFICATE OF TRAINING

This is to certify that

HOWARD C. STOOPS

has successfully completed

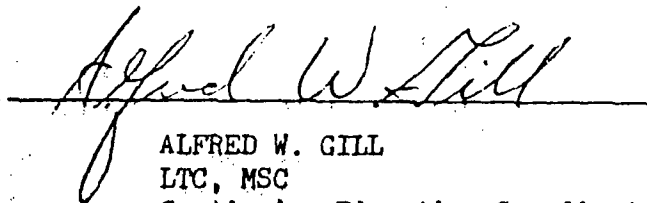
6F-H19, 18th Annual Triservices Nuclear Pharmacy Orientation Course

Universal Program Number: 185-602-85-02

Continuing Education Credit: 51.25 Contact Hours

11 March to 22 March 1985

Given at Letterman Army Medical Center
Presidio, SF, California 94129-6700



ALFRED W. GILL
LTC, MSC
Continuing Education Coordinator

"Academy of Health Sciences, Pharmacy Branch/
Medicine and Surgery Division, is approved by
the American Council on Pharmaceutical Education
as a provider of continuing pharmaceutical
education."



DEPARTMENT OF THE ARMY CERTIFICATE OF TRAINING

This is to certify that

CPT HOWARD C. STOOPS

has successfully completed

SAFE USE AND HANDLING OF RADIOISOTOPES

29 April - 10 May 1985

AMA Category I Credits Assigned: 66 Hours

Given by Letterman Army Medical Center & Letterman Army Institute of Research
Presidio of San Francisco, California 94129

Cosponsor: The Surgeon General, Department of the Army, Washington, D.C.

Sheldon R. Kiser

SHELDON R. KISER, Ph.D.
Professor of Medical Physics
Program Director, LAMC

U. S. Army Medical Department

Graduation Certificate


This is to certify that
Captain Howard C. Stoops, II, MS
has successfully completed the

Nuclear Pharmacy Residency Training Program

from **31 August 1984** *to* **30 August 1985**

given at **Letterman Army Medical Center, Presidio of San Francisco, CA**

this 30th day of **August 1985**


Frederick N. Bussey, M.D.
Brigadier General, MC
Commanding

CURRICULUM VITAE

for

DAVID E. HINTENLANG, PH.D.

Date & Place of Birth:

Home Address:

Home Telephone Number:

Office Address:

Health Physics Office
Walter Reed Army Medical Center
Washington, DC 20307-5001

Office Telephone Number:

(301) 427-5107

Degrees:

Ph.D. -

Physics [7]
Brown University
Providence, RI

M.Sc. -

Physics []
Brown University
Providence, RI

M.S. -

Physics [7]
Bucknell University
Lewisburg, PA

Other Education and Training:

1986

Laser and Microwave Hazards Workshop
US Army Environmental Hygiene Agency
Aberdeen Proving Ground, MD

1985

Health Care Administrator's Logistics
Development Course
Walter Reed Army Medical Center
Washington, DC 20307-5001

1985

Medical Effects of Nuclear Weapons
Armed Forces Radiobiology Research
Institute
Bethesda, MD

1985

Nuclear Hazards Training Course
Interservice Nuclear Weapons School
Kirtland Air Force Base, NM

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HINTENLANG, David E. (Continuation of Curriculum Vitae)

1985 US Army Medical X-Ray Survey Techniques
Course
Academy of Health Sciences, US Army
Fort Sam Houston, TX

1984 AMEDD Officer Basic Course
Academy of Health Sciences, US Army
Fort Sam Houston, TX

Experience:

Jan 1985 - Present

Walter Reed Army Medical Center
Washington, DC 20307-5001
Assistant Health Physics Officer
Chief, Technical Services Branch
Health Physics Office

Develop, direct and provide health physics services for WRAMC and all tenant activities. Develop, review, and direct Health Physics Training programs. Organize, equip, train and direct the operations of the Radiological Advisory Medical Team. Serve as first line Executive Agent for the WRAMC Radiation Control Committee to administrate requirements of Nuclear Regulatory Commission Licenses and DA Authorizations for the possession, storage, use and disposal of radioactive material at WRAMC and tenant activities. Provide interpretation and assure compliance with license conditions, Federal Laws, Army Regulations, and National Standards pertaining to ionizing and nonionizing radiation. Advise the Commander, WRAMC, and Radiation Protection Officer, on all other matters pertaining to ionizing and nonionizing radiation hazards.

Publications:

Hintenlang, David E., and Bray, P. J., "NMR Studies of Boron Sulfide-Based Glasses," Journal of Non-Crystalline Solids, 1985(6).

Bray, P. J., Hintenlang, D.E., and Mulkern, R. V., "NMR Studies of Fluoride and Fast Ion Conducting Glasses," Journal of Non-Crystalline Solids, 1983.

Bray, P. J., Hintenlang, D. E., Lui, M. L., and Mulkern, "Recent NMR Studies of Oxide, Fluoride and Superionic Conducting Glasses," Glastechnische Berichte, 1983.

HINTENLANG, David E. (Continuation of Curriculum Vitae)

Bray, P. J., Lui, M. L., and Hintenlang, D. E., "NMR Studies of Structure and Ion Motion in Glasses," Proceedings for the Third Otto Schott Symposium of Glasses, 1982.

Professional Membership:

American Physical Society
Sigma Xi
Health Physics Society
(Baltimore-Washington Chapter)

NAME IN FULL: FRANKLIN HENRY TOP, JR.

RANK, CORPS, COMPONENT: Colonel, Medical Corps, US Army

SSAN: []

DOB: []

POB: []

DATE ENTERED ACTIVE DUTY: 1 August 1966

DATE PRESENT RANK: 12 December 1974

DATE PERMANENT RANK: 28 January 1979

WIFE'S NAME: []

CHILDREN'S NAME(S): []

EDUCATION - MILITARY, CIVILIAN, DATE, DEGREE, SCHOOLS:

B.S., Yale University,

M.D., Yale University, [] Cum Laude

Pediatric Internship, University of Minnesota Hospital, 1961-62

Pediatric Residency, University of Minnesota Hospital, 1962-64

Basic Course, Medical Field Service School, Fort Sam Houston, TX 1966

MILITARY ASSIGNMENTS (IN ORDER; INCLUDE TITLE OF JOB):

Internist, Dept of Virus Diseases, DCD&I, WRAIR, 1966-68

Asst Chief, Dept of Virus Diseases, DCD&I, WRAIR, 1968-70

Chief, Dept of Virology (SEATO), 1970-73

Chief, Pediatric Training Program (SEATO), 1972-73

Deputy Director, US Army Medical Component, SEATO, 1972-73

Chief, Dept of Virus Diseases, DCD&I, WRAIR, 1973-76

Director, Division of Communicable Disease & Immunology (DCD&I), WRAIR, 1976-78

Professor of Pediatrics, Uniformed Services University, 1978-

Deputy Director, WRAIR, 1979-81

Commander, US Army Med Rsch Inst of Cml Def, 1981-1983

Director, Walter Reed Army Institute of Research, 1983-

MILITARY AWARDS, HONORS, BADGES:

Legion of Merit

Meritorious Service Medal

A Prefix

MEMBERSHIP, SCIENTIFIC COMMITTEES:

Member, Microbial & Infectious Disease Advisory Committee, National Institute of Allergy and Infectious Diseases, NIH, 1976-80.

Ex 6

FRANKLIN H. TOP, JR.
Colonel, MC

PROFESSIONAL SOCIETIES:

Alpha Omega Alpha Honor Medical Society, 1960
Certified, American Board of Pediatrics, 1966
Society for Pediatric Research
The American Society of Tropical Medicine and Hygiene
American Society for Microbiology
Infectious Disease Society of America
American Association of Immunologists
American Association for the Advancement of Science

PUBLICATIONS: See attached listings.

CURRICULUM VITAE

NAME: BASS, BILLY G.

SSAN: [1]

GRADE/STEP: GS 14/8

DATE OF GRADE: August 22, 1967

DATE JOINED WRAIR: July 29, 1962

CURRENT POSITION TITLE: Director

DEPARTMENT:

DIVISION: Instrumentation

DATE OF BIRTH: []

HOME ADDRESS: []

TELEPHONE #: []

NAME OF SPOUSE: []

CHILDREN'S NAMES: []

DATE OF BIRTH: []

WHOM TO NOTIFY
IN CASE OF EMERGENCY:

TELEPHONE #:

Ex 6

EDUCATION

<u>School</u>	<u>Dates attended</u>	<u>Degree(s)</u>	<u>Major</u>
Univ. of Maryland (Overseas Extension)	Jan. 1952-May 1964	none	Liberal art
N.C. State College	Jan. 1959-June, 1961	BS Nuc. Eng.	grad. studies
UCLA		none	
Univ. Md., Coll. Pk.	Sept. 1962-June, 1964	None	grad. studies
G.W.U., Wash, D.C.		MS Engineering	Electronic
G.W.U., Wash, D.C.		Doctoral Candidate PhD	Elec. Engineerir

EXPERIENCE

a. Prior to coming to WRAIR:

<u>Dates</u>	<u>Position</u>
June, 1958 - Jan., 1959	Newport News Shipbuilding & Drydock C Nuclear Engineer
Jan., 1959 - July, 1962	Douglas Aircraft Co., Aerospace Div. Electronics Engineer (Radar and microwave systems design, nuclear rocket instrumentation system design)

b. Since coming to WRAIR:

1962 - 1967	Chief, Electronics Sect, Div. Nuc. Med
1967 - 1970	Chief, Dept. Nucleonics, Div. Nuc. Med
1970 - 1972	Ass't Chief, Dept. AIA, Div. Biochemis
1972 - 1976	Chief, Dept. Analytical Chem, Div. Bio
1976 -	Director, Instrumentation Division

MILITARY SERVICE (If appropriate)

Dates: August, 1950 - June, 1954

Rank: Sgt. (Airman First Class)

Branch: U.S. Air Force

Awards: Good Conduct Medal

National Ribbon

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PROFESSIONAL ORGANIZATION MEMBERSHIP (including any offices held)

Institute of Electrical and Electronic Engineers

American Nuclear Society

Association for the Advancement of Medical Instrumentation

AWARDS

Outstanding Performance Award

1964

1967

1971

Certificate of Achievement - WRAIR

1976

MISCELLANEOUS (Hobbies, Special Interests, etc.)



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PUBLICATIONS

(COMPLETE CITATION)

1. Bass, B.G., Effects of Particle Radiation on Selected Electronic Components, Douglas Aircraft Company Report A2-260-S/VE-M295, March 2, 1962.
2. Bass, B.G., New Walter Reed Multiple Crystal Whole Body Counter, San Diego Biomedical Engineering Symposium, 16-18 March 1966.
3. Levri, Elvio A., Runyan, Thomas E., Bass B.G., Mahin, D.T., Diagnostic Applications of Neutron Activation Analysis in Medicine, Second International Conference on Medical Physics, August 11-15, 1969.
4. Bass, B.G., Ryan, E.L., Gardner, H.B., Mahin, D.T., The Walter Reed Multiple Crystal Whole Body Counter, Second International Conference on Medical Physics, 11-15 August 1969.
5. Bass, B.G., Plan for the Dismantling of a Research Nuclear Reactor, March, 1970. (Master's Thesis, George Washington University School of Engineering and Applied Science).
6. Bass, B.G., Wisla, S., Miller, V., Health Physics Aspects of Dismantling a Research Nuclear Reactor, Health Physics Annual Meeting, 15 June 1972.
7. Bass, B.G., Holman, E.C., The Walter Reed Research Reactor Dismantling Project, Transactions of American Nuclear Society, Vol. 15, No. 2, Nov. 1972.
8. Bass, B.G., Use of Excess Weapons System Computers in Biomedical Instrumentation, U.S. Army ADP Symposium, 15 Nov. 1972.. (Abstract)
9. Khouri, Edward M., Olsson, Ray A., Bedynek, Julius L., and Bass, Billy G., "An Implantable Semiconductor Beta-radiation Detector," Am. J. Physiol. 323(1), 1977.

ACCOMPLISHMENTS

1962 - 1967 Chief, Electronics Section, Division of Nuclear
Medicine, WRAIR

In this position I was responsible for supervising the efforts of 4-6 technicians in the design, development and implementation of unique and sophisticated nuclear medical instrumentation systems for research and clinical use.

Specific Accomplishments

1. Redesigned and renovated and placed back into operation the Walter Reed Whole Body Counter. This was the old 4-pi HUMCO type counter. This counter was then used for two years as a clinical research tool. See Photo. 1.
2. Designed and supervised the construction of the most sophisticated whole body counter in the world (at that time). See photo 2. This system encompassed state-of-the-art developments in low level radiation detector design and configuration, shielding, and data processing capabilities.
3. Designed and supervised the construction of one of the first three-probe renogram systems to be put into clinical practice. See photo 3. This system was the forerunner of a commercial system still in use on the Renal Transplant Ward (38) WRGH for use in early detection of rejection of transplanted kidneys.
4. Designed and directed the construction of one of the first total body scanners to be used in clinical nuclear medicine service. See photo 4. This system differed from conventional scanners of the time in that it was designed to be used in conjunction with an overhead fluoroscopy unit to get both scan and fluoroscopy image of the same subject.
5. Designed a sophisticated cell sizing system using the Coulter transducer and a small special purpose computer (multi channel pulse height analyzer) for storing and displaying the cell volume distributions. This system was used extensively by G. Bahr, AFIP; Bryan Bull, MD, at the Clinical Center, NIH, Merrell C. Johnson, COL, MC, WRGH, and others for various studies of mammalian cell, lymphocyte or bacteria volume distributions. A commercial version of the system is still in operation in the Division of Biochemistry.

6. Studied the computer requirements for the Walter Reed Army Institute of Research and wrote the Data Automation Request (DAR) in accordance with the requirements of AR 1-251 (now AR 18-2) and drafted the technical specifications for a computer facility for the WRAIR. This work resulted in the formation of the Division of Biometrics and Medical Info. Proc., WRAIR, and the acquisition of the CDC 3300 computer.

7. Served on the initial criticality team for the Walter Reed Research Reactor (WRRR). Held Operator's License and Senior Reactor Operator License from the U.S. Atomic Energy Commission for the L-54 nuclear reactor. Designed a transistorized control system for the reactor. Designed numerous instruments and systems for use in the radio-biological research program and for basic research in radiation detection and dosimetry.

1967 - 1970 Served as Chief, Department of Nucleonics, Division of Nuclear Medicine, WRAIR

This department consisted of about 22 professional and technical personnel, the Walter Reed Research Reactor, Walter Reed Whole Body Counting Facility, Automated Instrumental Analysis Laboratory, Neutron Activation Analysis Laboratory, Radiation Dosimetry Laboratory and Electronics Section.

Specific Accomplishments

1. Served as Technical Director, WRRR.
2. Established with C.R. Angel one of the first neutron activation analysis laboratories dedicated solely to medical problems.
3. Set up one of the first radiopharmaceutical production facilities directly connected with a clinical facility (^{18}F was produced here and used for bone scanning in the Nuclear Medicine Service, WRGH).
4. Served as consultant to St. Luke's Hospital Center in New York City, in nuclear medicine instrumentation.
5. Served as advisor in nuclear instrumentation to Consultant, Nuclear Science, OTSG, DA.
6. Appointed to Reactor Safeguards Committee, U.S. Army Pulse Radiation Facility, Ballistics Research Laboratory, Aberdeen, Md. (still serving)

7. Appointed to Reactor Test Planning Committee, Harry Diamond Laboratory Radiation Facility (DORF) (still serving).

8. Developed a plan for the dismantling of the Walter Reed Research Reactor.

9. Took a Master of Science in Engineering degree from George Washington University through evening study.

1970 - 1972 Served as Assistant Chief, Dept. of Automated Instrumental Analysis, Division of Biochemistry, WRAIR. (Actually, since LTC Angel was Deputy Director, Division of Biochemistry, I was de facto head of the department).

During this period, in addition to many of the aforementioned duties, I planned and directed the defueling, dismantling and decommissioning of the WRRR. This was the first nuclear reactor of this size ever to be completely dismantled. All other reactors of this size, even those on AEC reservations, had only been defueled and partially dismantled or mothballed but none had been dismantled in a building such as the WRAIR. This project was accomplished at less estimated cost, within the projected time and without disruption of normal operations at the WRAIR.

1972 - 1976 Served as Chief, Department of Analytical Chemistry (about 30 professional and technical persons), Div. of Biochemistry, WRAIR

Spent academic year (1972) at George Washington University completing course requirements and qualifying examinations for doctorate in engineering under sponsorship of Dept. of Army long term training grant.

Managed and directed research staff in the development of methods and instrumentation for the assay of drugs of abuse in human tissues and fluids. Directed research project in studying the excretion patterns of methaqualone in humans. A paper authored by Kazyak et. al. resulted from this effort.

Directed the development of a gas chromatographic method for assaying cocaine in human body fluids.

Directed the establishment of a mass spectrometry laboratory for use in biomedical research. Several papers on marijuana metabolism in humans have resulted from this effort.

Established and initially directed the technical group that developed the assay methodology for nerve gas and antidote in human fluids.

Course Director for "Advances in Biochemical Instrumentation at WRAIR Jan. - Feb. 1975.

1976 - present Serve as Director, Instrumentation Division

Manage operations of three departments - Glassworking, Metal-Plastics, and Electronics - dedicated to the design and development of unique biomedical instrumentation systems. Serve as consultant in instrumentation science, electronics and nuclear science to the Director, WRAIR and the WRAIR professional and technical staff. Serve as WRAIR Radiation Safety Officer and WRAIR representation on WRAMC Radioisotope Committee. Serve as Chairman, WRAIR Capital Equipment Review Committee.

Perform research in biomedical electronics to develop new applications in military medical research. ~~Have completed academic requirements for~~ *Received* PhD in Electrical Engineering and Computer Science. Dissertation topic is "correlation of the visual evoked response with regional blood flow, electroencephalogram and extracellular potassium concentrations in the monkey."

CURRICULUM VITAE

IDENTIFICATION:

NAME McCarthy, Michael James


PRESENT TITLE: Chief, Pulmonary and Mediastinal Section
Department of Radiologic Pathology
Armed Forces Institute of Pathology

OFFICE ADDRESS: Lt Col Michael J. McCarthy
Chief, Pulmonary and Mediastinal Section
Department of Radiologic Pathology
Armed Forces Institute of Pathology
Washington, D.C. 20306-6000


OFFICE PHONE: (202) 576-2973

RANK: Lt Col, USAF, MC

AFSC: 9536

SOCIAL SECURITY NUMBER: 

SPECIALITY: Diagnostic Radiology

DATE OF BIRTH: 

PLACE OF BIRTH:

SPOUSE'S NAME:

CHILDREN:

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EDUCATION:

		<u>Degrees Conferred, Title or Status</u>	<u>Major/Subject</u>
[] United States Air Force Academy Colorado Springs, CO	BS	Life Sciences
[] Georgetown University School of Medicine Washington, D.C.	MD	
1975-76	Malcolm Grow USAF Med. Ctr. Suitland, Maryland	Internship	Rotating
1976	School of Aerospace Medicine San Antonio, Texas	Flight Surgeon	Short Course Aerospace Medicine
1978-79	Wilford Hall USAF Med. Ctr. San Antonio, Texas	Resident	Internal Medicine
1980-82	Wilford Hall USAF Med. Ctr. San Antonio, Texas	Resident	Radiology

CERTIFICATION:

Diplomate National Board of Medical Examiners, 1976
Diagnostic Radiology American Board of Radiology, 1982

LICENSES:

1984-present

Maryland Medical License

Principal Positions Held:

Jan-June 1982

Chief Resident, Radiology
Wilford Hall USAF Medical Center
San Antonio, Texas

Jan 1983 - May 1984

Assistant Chief, Chest Radiology
Wilford Hall USAF Medical Center
San Antonio, Texas

June - July 1984

Chief, Chest Radiology
Wilford Hall USAF Medical Center
San Antonio, Texas

August 1984 - present

Chief, Pulmonary and Mediastinal Section
Department of Radiologic Pathology
Armed Forces Institute of Pathology
Washington, D.C.

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MILITARY ASSIGNMENTS:

USAF Academy (Cadet) 1967-1971
Georgetown University School of Medicine 1971-1975
Malcolm Grow USAF Medical Center (Internship) 1975-1976
USAF School of Aerospace Medicine (Student) July - September 1976
USAF Academy (Chief, Clinical Services, Cadet Clinic 1976-1978
Flight Medicine)
Wilford Hall USAF Medical Center 1978-1984
(Resident and Staff Radiologist)
Armed Forces Institute of Pathology, WRAMC 1984 - present
(Staff Radiologist)

MILITARY AWARDS:

Air Force Commendation Medal 1978
Air Force Outstanding Unit Citation 1983
Air Force Commendation Medal with 1st Oak Leaf Cluster 1984

PROFESSIONAL ACTIVITIES

Membership in Professional Organization:

1982 - present Radiologic Society of North America
1983 - present America College of Radiology
1986 - present Society of Thoracic Radiology

Professional Honors/Executive Positions Held:

1969 4th Cadet Group Sergeant Major, USAF Academy
1970 37th Cadet Squadron Commander, USAF Academy
1977 Flight Surgeon of the year, USAF Academy Command
1982 Chief Resident, Diagnostic Radiology, Wilford Hall USAF Med. Ctr.

Postdoctoral Fellows Supervised:

1984-85 James Robinson, M.D.

Academic Positions

Chief Resident
Department of Radiology
Wilford Hall USAF Medical Center
San Antonio, Texas
1 January 1982 - 30 June 1982

Assistant Chief, Chest Radiology
Department of Radiology
Wilford Hall USAF Medical Center
1 January 1983 - 31 May 1984

Chief, Chest Radiology
Department of Radiology
Wilford Hall USAF Medical Center
1 June 1984 - 26 July 1984

Chief, Pulmonary and Mediastinal Radiologic Pathology
Armed Forces Institute of Pathology
Washington, D.C.
4 August 1984 - Present

Assistant Professor of Radiology and Nuclear Medicine
Uniformed Services University of the Health Sciences
Bethesda, Maryland
August 1985 - Present

Lectures Given on Regular Basis at the Radiologic Pathology Course (AFIP, Washington, D.C.)

Pulmonary and Mediastinal Radiology

1. Congenital Pulmonary Disease
2. Mediastinal Masses
3. Lung Carcinoma
4. Unusual Malignant Lung Neoplasms
5. Staging of Lung Carcinoma
6. Mycotic Pulmonary Disease
7. Pleura and Chest Wall

Cardiovascular Radiology

1. Echocardiographic - Pathologic Correlations
2. Coronary Arteriography

SCIENTIFIC EXHIBITS:

1. Whatley LR, McCarthy MJ, Helms CA, Genant HK: HLA-B27 Spondyloarthropathies - Rheumatoid Variants.
Annual Meeting of the Radiological Society of North America
Dallas, Texas - November 1980 (CME Credit Given)
2. Chasen MH, McCarthy MJ, Gilliland JD, Floyd JL:
Concepts in Computed Tomography of the Thorax.
Annual Meeting of the American Roentgen Ray Society.
Las Vegas, Nevada - April 1984 (Certificate of Appreciation)

Radiologic Society of North America, Annual Meeting
Washington, D.C. - November 1985
3. McCarthy MJ, Ros PR, Sobin L, Robinson J, Viamonte M:
Radiologic-Pathologic Correlations in Bronchogenic Carcinoma
International Diagnostic Course, Davos, Switzerland - March 1985

International Diagnostic Course.
Davos, Switzerland - March 1986
4. McCarthy MJ, Ros PR, Sobin L, Robinson J, Viamonte M:
Lung Carcinoma: Updated Imaging - Pathologic Correlation
Annual Meeting of the Radiological Society of North America
Chicago, Illinois - November 1985

3rd International Symposium on New Medical Imaging
Barcelona, Spain 1985

MRI/CT/Ultrasound Correlations
Bal Harbor, Florida - January 1986

American Roentgen Ray Society, Annual Meeting
Washington, D.C. - April 1986
5. Ros PR, McCarthy MJ, Hartman DS, Moser RP:
Body Magnetic Resonance - Pathologic Correlation
Annual Meeting of the Radiological Society of North America
Chicago, Illinois - November 1985 (CME Credit Given)

MRI/CT/Ultrasound Correlations
Bal Harbor, Florida - January 1986

American Roentgen Ray Society, Annual Meeting
Washington, D.C. - April 1986
6. Ros PR, Olmsted WW, McCarthy MJ, Dachman AH, Hjermsstad B:
Small Bowel Tumors with Little or No Malignant Predisposition
Annual Meeting of the American Roentgen Ray Society
Washington, D.C. - April 1986

EDUCATIONAL COURSE FACULTY PARTICIPATION AND TOPICS:

1. Seminar in General Diagnostic Radiology
Bethesda, Maryland September 1984
"Bronchogenic Carcinoma"
"Staging of Bronchogenic Carcinoma"
2. 3rd Annual Cardiovascular Review Course
Bethesda, Maryland May 1985
"Coronary Arteriography"
"Basic Echocardiography"
3. Pathologic Basis of Radiologic Diagnosis
Bethesda, Maryland September 1985
"Congenital Pulmonary Disease: Normal Development Gone Awry"
Parts I, II
"Masses in the Mediastinum", Parts I, II
"Bronchogenic Carcinoma: A Pattern Approach"
4. American Osteopathic College of Radiology:
Pathologic Concepts in Imaging. Cancun, Mexico January 1986
"Masses in the Mediastinum", Part I, II
"Mycotic Pulmonary Disease"
"Pattern Approach to Bronchogenic Carcinoma"
"Staging Bronchogenic Carcinoma"
5. Eighth Annual Radiologic-Pathologic Concepts in Diagnostic Radiology
Orlando, Florida February 1986
"Lung Carcinoma: A Pattern Approach"
"Localized Congenital Cystic Pulmonary Disease"

PUBLICATIONS:

1. Schenk DA, Chasen MH, McCarthy MJ, Duncan CA, Christian CA: Potential false positive mediastinal transbronchial needle aspiration in bronchogenic carcinoma. Chest 85:696-697, 1984.
2. Chasen MH, McCarthy MJ: Pulmonary nodules: Detection of calcification by linear and pluridirectional movement in tomographic Study. Radiology 156:589-592, 1985.

CURRICULUM VITAE

NAME: KUEHNE, Ralph W., GS-13

SSAN: []

DATE OF EMPLOYMENT: May 1958

ASSIGNMENT: Safety Officer and Quality Assurance Unit
Headquarters, USAMRIID
Fort Detrick, Frederick, Maryland (301) 663-7335

DATE & PLACE
OF BIRTH:

HOME ADDRESS:

WIFE:

CHILDREN:

EDUCATION:

B.S. University of Illinois, Urbana, Illinois,
[] Microbiology
M.S. Frostburg State College, Frostburg, Maryland,
[] Management
30-35 Government or University Training Courses
[] 1952-1985

CIVILIAN EXPERIENCE:

Bacteriologist, USDA, N. Util. Res. Br.,
Peoria, Illinois, 1952-1955
Bacteriologist, Physical Defense Division,
Fort Detrick, Maryland, 1955-1958
Microbiologist, US Army Medical Research Institute
of Infectious Diseases, Fort Detrick, MD,
1958-present

AWARDS OR DECORATIONS:

University Honors, Univ of Illinois, 1952
Distinguished Service Team Award - 1955
Special Act or Service Award - 1967
Exceptional Performance Award - 1982, 1983, 1984,
1985
Miscellaneous Letters of Appreciation

MEMBERSHIPS:

American Society for Microbiology
RESA
National Regist. Microbiol.
Canadian Assoc. for Biological Safety
American Biological Safety Assoc.

HOBBIES OR INTERESTS:

OTHER:

Consultant with Toxicology and Bioresearch
Services, Inc., in the areas
of Microbiology, Drug Development, Quality
Assurance, Laboratory Safety and Design, and
Technical Writing and Editing.

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EXPERIENCE

1. U. S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland

1977 - Present GS-13 Microbiologist and Safety Officer. Serves as the Institute's Safety Officer and GLP Quality Assurance Unit. Major responsibilities include the formulation, interpretation and implementation of a wide range of microbiological, radiological and industrial safety policies and procedures. Applies an in-depth and highly specialized knowledge and experience in microbiology, chemistry and physics concerning a wide variety of research projects currently in progress or proposed throughout the Institute to assess hazards to assure biological containment and safe working conditions. Is responsible for establishing and maintaining internal procedures to assure compliance with the Good Laboratory Practice Regulation of the FDA. Performs the tasks and responsibilities involved in the monitorship of regulated studies to insure that the facilities, management, equipment, personnel, methods, practices, records and controls are in compliance. Supervises the activities of the Safety Technicians and Health Physics Technicians. Provides advice and guidance to outside agencies on the design, operation and certification of high-containment facilities.

Key Accomplishments

- ° Created and implemented a biological safety program for the Institute, including the formulation of policies and procedures for all levels of biohazard containment.
- ° Organized and implemented a comprehensive program for GLP compliance of regulated studies. Have monitored a total of 24 such studies for FDA submission.
- ° Designed and evaluated a biological containment facility for studying high-hazard infectious disease agents. This achievement was reported in a national journal, referenced in others, and over 400 reprint requests have been received.
- ° Served on the Planning Committee and as a Session Chairman for the National Biological Safety Conference.
- ° Have consulted on the design, construction, certification and operation of biological containment laboratories in Egypt, Japan, Argentina, Australia, Canada and the United States. Am currently actively consulting with US Navy and AID, which will necessitate four on-site visits to Cairo, Egypt.

° Served as visiting faculty member, Johns Hopkins University, 1980 - 1982.

° Received Exceptional Performance Award, 1982, 1983, 1984, 1985

2. U. S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, Frederick, Maryland.

1958 - 1977

GS-9 through GS-13 Microbiologist. Engaged in aerobiological and other research studies with infectious disease agents and as EEO Counselor, Division Safety Officer, and Division Administrative Assistant. Major duties included the conduct of all aerobiological exposures of laboratory animals and human volunteers to various disease agents, necessitating extreme accuracy and precision. Planned, conducted and evaluated research on the chemotherapy of infectious diseases including the selection and evaluation of potential antiviral compounds and the development of model systems. Performed quantitative assays for antiviral compounds in stock solutions, body fluids, etc.

Key Accomplishments

- ° Was first to demonstrate feasibility of aerogenic immunization of animals with live, attenuated virus - both singly and in combination with a live, bacterial vaccine.
- ° Established LD₅₀, LD₁₀₀ and ED₅₀ dose-level determinations for monkeys with aerosolized staphylococcal enterotoxin.
- ° Devised an aerosol measurement procedure for an agent of critical importance in man, representing a breakthrough in measurement control.
- ° Received a Special Act or Service Award in 1967 for the exposure of human volunteers to precise dosages of an aerosolized biological toxin, citing skill and ingenuity displayed.
- ° Isolated and characterized, in collaboration with other investigators from NIH, the causative virus of a fatal outbreak of hemorrhagic fever in Bolivia.
- ° Was first to inoculate rhesus monkeys with Machupo virus, leading to the development of an animal model for the study of this disease.

- Developed an indirect mouse model for the evaluation of potential antiviral compounds against Tacaribe virus.
- Assisted in the development of an indirect mouse model for the evaluation of potential antiviral compounds against yellow fever virus.
- Evaluated antiviral compounds against Japanese encephalitis virus and VEE virus infections in the mouse.
- Developed spectrophotometric assays for poly I-C and ribavirin.
- Was invited to participate in a symposium at the American Society of Microbiology annual meeting in 1979.
- Was the author or co-author of 16 papers during this period published in national or international scientific journals.

3. U. S. Army Biological Research Laboratories, Fort Detrick, Frederick, Maryland.

1955 - 1958 GS-9 Microbiologist. Engaged in research studies to develop and evaluate field sampling equipment and procedures for collection of bacterial and viral aerosols, including selection of components, development of assay procedures, and conduct of field tests.

Key Accomplishments

- Was the author or co-author of 2 papers during this period published in national scientific journals.

4. U. S. Dept. of Agriculture Northern Regional Research Laboratory, Peoria, Illinois.

1952 - 1955 GS-5 through GS-7 Bacteriologist. Performed research on the taxonomy of selected microorganisms. Maintained stock culture collection. Performed large-scale fermentation studies.

Key Accomplishments

- Was part of Unit receiving USDA Distinguished Service Unit Award for research on dextran.
- Was author or co-author of 4 papers during this period published in national scientific journals.

REFERENCES

1. COL Richard F. Barquist, M.D., U.S. Army Medical Research and Development Command, Fort Detrick, Frederick, Maryland.
2. COL Clarence J. Peters, M.D., Chief, Medical Division, USAMRIID, Ft. Detrick, Frederick, Maryland
3. COL Robert Scott-McNair, M.D., Walter Reed Army Institute of Research, Washington, DC
4. Daniel F. Liberman, Ph.D., Massachusetts Institute of Technology, Cambridge, Massachusetts.
5. Jerry J. Tulis, Ph.D., School of Public Health, University of North Carolina Chapel Hill, NC.
6. Byron S. Tepper, Ph.D., Biohazard Safety Officer, The Johns Hopkins Medical Institutions, Baltimore, Maryland.
7. John Richardson, D.V.M., Center for Disease Control, Atlanta, Georgia.
8. Sharif El Said, Ph.D., Ein Shams Univ., Cairo, Egypt.
9. Julio I. Maiztegui, Ph.D., Inst. of Viral Hemorrhagic Diseases, Pergamino, Argentina
10. Mary Ellen Kennedy, Chief, Div. Of Biosafety, Laboratory Center for Disease Control, Ottawa, Ontario, Canada

Publications. by R. W. Kuehne

- (1) Haynes, W. C., R. W. Kuehne, and L. J. Rhodes. 1954. The effects of potassium upon the growth of Micrococcus pyogenes. Appl. Microbiol. 2:339-344.
- (2) Kuehne, R. W., and L. J. Rhodes. 1955. A portable rack for staining jars. Stain Tech. 30:159-160.
- (3) Kuehne, R. W., and H. M. Decker. 1957. Studies on continuous sampling of Serratia marcescens using a slit sampler. Appl. Microbiol. 5:322-323.
- (4) Kuehne, R. W. 1956. Scraper for transferral of large amounts of microbial growth. Chemist Analyst 45:26.
- (5) Haynes, W. C., R. W. Kuehne, and L. J. Rhodes. 1957. The effect of potassium upon the growth of Micrococcus pyogenes. II. The influence of incubation temperature and glucose. Appl. Microbiol. 5:382-385.
- (6) Decker, H. M., R. W. Kuehne, L. M. Buchanan, and R. Porter. 1958. Design and evaluation of a slit-incubator sampler. Appl. Microbiol. 6:398-400.
- (7) Kuehne, R. W., and W. S. Gochenour, Jr. 1961. Slit samplers for continuous collection of T₃ bacteriophage and Venezuelan equine encephalomyelitis. II. Studies with Venezuelan equine encephalomyelitis virus. Appl. Microbiol. 9:103-105.
- (8) Kuehne, R. W., W. D. Sawyer, and W. S. Gochenour, Jr. 1962. Immunization with aerosolized Venezuelan equine encephalomyelitis live virus vaccine. Am. J. Hyg. 75:347-350.
- (9) Jaeger, R. P., R. O. Spertzel, and R. W. Kuehne. 1961. Detection of airborne P. tularensis using the fluorescent antibody technique. Appl. Microbiol. 9:585-587.
- (10) Berdjis, C. C., C. A. Gleiser, H. A. Hartman, R. W. Kuehne, and W. S. Gochenour, Jr. 1962. Pathogenesis of respiratory anthrax in M. mulatta. Br. J. Exp. Pathol. 43:515-524.
- (11) Kuehne, R. W., W. D. Sawyer, and W. S. Gochenour, Jr. 1962. Modification of intraperitoneal infection with Bacillus anthracis spores in the rat by egg yolk and phosphatides. Bact. Proc. 77.
- (12) Gochenour, W. S., Jr., W. D. Sawyer, J. B. Henderson, C. A. Gleiser, R. W. Kuehne, and W. D. Tigertt. 1963. On the recognition and therapy of simian woolsorter's disease. J. Hyg. Camb. 61:317.

(13) Sawyer, W. D., R. W. Kuehne, and W. S. Gochenour, Jr. 1964. The effect of egg yolk and phosphatides on anthrax infection of rats and guinea pigs. *Proc. Soc. Exp. Biol. Med.* 118:105-108.

(14) Sawyer, W. D., R. W. Kuehne, and W. S. Gochenour, Jr. 1964. Simultaneous aerosol immunization of monkeys with live tularemia and live Venezuelan equine encephalomyelitis vaccines. *Milit. Med.* 129:1040-1043.

(15) Kuehne, R. W. 1973. Biological containment facility for studying infectious disease. *Appl. Microbiol.* 26:239-243.

(16) Terrell, T. G., J. L. Stookey, R. O. Spertzel, and R. W. Kuehne. 1973. Comparative histopathology of two strains of Bolivian hemorrhagic fever virus infections in suckling hamsters. *Am. J. Trop. Med. Hyg.* 22:814-818.

(17) Eddy, G. A., M. D. Kastello, and R. W. Kuehne. 1973. The rhesus monkey as a model for the study of Bolivian hemorrhagic fever. *Arthropod-borne Virus Information Exchange* 25:53-54.

(18) Peters, C. J., R. W. Kuehne, R. R. Mercado, R. H. LeBow, R. O. Spertzel, and P. A. Webb. 1974. Hemorrhagic fever in Cochabamba, Bolivia, 1971. *Am. J. Epidemiol.* 99:425-433.

(19) Kastello, M. D., G. A. Eddy, and R. W. Kuehne. 1976. A rhesus monkey model for the study of Bolivian hemorrhagic fever. *J. Infect. Dis.* 133:57-62.

(20) Kuehne, R. W., W. L. Pannier, and E. L. Stephen. 1977. Evaluation of various analogues of tilorone hydrochloride against Venezuelan equine encephalitis virus in mice. *Antimicrobiol. Agents Chemother.* 11:92-97.

(21) Kuehne, R. W., W. L. Pannier, and E. L. Stephen. 1977. Indirect mouse model for the evaluation of potential antiviral compounds: Results with Venezuelan equine encephalomyelitis virus. *Antimicrob. Agents Chemother.* 11:683-687.

(22) Kuehne, R. W., Woodruff, N., Voelmeck, W. and Anderson, J.H., Jr. 1979. Transport, isolation and clinical specimen management of persons exposed to or infected with high hazard microbiologic agents. *Bact. Proceed.* 340.

(23) Kuehne, R.W. 1978. Biological safety at USAMRIID. *Bio. Safety Conf. Abst.*

(24) Kuehne, R.W., Pannier, W.L., Rosato, R.R. and Stephen, E.L. 1978. Treatment of Tacaribe virus infection of mice using various antiviral compounds. *Bact. Proc.*

(25) Kuehne, R.W. and Lyerly, W.H., Jr. 1982. The design and management of a diagnostic laboratory for the investigation of highly communicable infectious agents. Biol. Safety Conf. Abst.

(26) Geisbert, W., Kuehne, R.W., and Brubaker, W.E., 1982. Design and use of a portable decontamination chamber. Biol. Safety Conf. Abst.

(27) Wannemacher, R.W., Jr., and Kuehne, R.W. 1982. Methods for safe handling and decontamination of T-2 mycotoxin. Biol. Safety Conf. Abst.

(28) Jahrling, P.B., and Kuehne, R.W. 1982. Selection of a disinfectant for inactivation of Lassa virus under field and maximum containment laboratory conditions. Biol. Safety Conf. Abst.

(29) Brubaker, W.E., Dominick, J.W., and Kuehne, R.W. 1983 1983. The decontamination of a hazardous disease containment facility. Biol. Safety Conf. Abst.

(30) Kuehne, R.W. 1983. Rapid determination of \log_{10} 50% lethal doses or 50% infective doses. J. Clinic. Microbiol. 17:702-703, Apr 83.

ADDENDUM

I have had the following courses pertinent to my duties as Radiation Protection Offices, USAMRIID:

1. Radiation Protection Officer Workshop. AEHA, Edgewood, MD. 2-6 April 1979;
2. Ionizing Radiation Course. Frederick Cancer Research Center. Fort Detrick, MD, 26 April 1984;
3. Applied Radiation Protection. University of North Carolina, Savannah, GA, 6-10 August 1984;
4. Radiation Safety Issues in Laboratory and Clinical Research Institutions. NIH, Washington, DC, 16-17 December 1985;

I have been RPO, USAMRIID, since May, 1984, and was alternate RPO and recording secretary of the Ionizing Radiation Control Committee from December 1978-May 1984.

CURRICULUM VITAE

Name: James E. Stafforu

Current Duty Assignment: Alternate Radiation Protection Officer
Chief, Radioactive Materials Control Branch
Walter Reed Army Medical Center
Washington, D.C. 20012

Home Address:
Date of Birth:
Place of Birth:

Home Telephone Number:

Office Telephone Number: (301) 427-5104

EDUCATION: B.S.

General Science []

University of Iowa
Iowa City, Iowa

A.A.

Radiation Science []

Montgomery College
Takoma Park, Maryland

EXPERIENCE:

April 1978-Present

Chief, Radioactive Materials Control Branch
Alternate Radiation Protection Officer
Walter Reed Army Medical Center
Washington, D.C. 20012

Sept. 1972-April 1978

Radiation Protection Officer
Department of the Army
Harry Diamond Laboratories
Adelphi, Maryland 20783

March 1971-Sept. 1972

Health Physicist
Health Physics Office
Armed Forces Radiobiology Research Institute
Bethesda, Maryland 20014

Sept. 1970-March 1971

Physical Science Technician
Health Physics Office
Armed Forces Radiobiology Research Institute
Bethesda, Maryland 20014

Summers
1966
1967

Physical Science Aid (Health Physics)
Health Physics Office
Department of Commerce
National Bureau of Standards
Gaithersburg, Maryland

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STAFFORD, James E. (Continuation of Curriculum Vitae)

Additional Education and Training

1971	Occupational Radiation Protection Public Health Service Training Institute
1971	Accelerator Radiation Protection Public Health Service Training Institute
1971	Industrial Hygiene Measurements Public Health Service, NIOSH Training Institute
1972	Laser Safety USAML, Field Safety Activity
1973	System Safety USAML, Field Safety Activity
1975	Microwave Oven Survey Workshop U.S. Army Environment Hygiene Agency
1976	Nonionizing Radiation Public Health Service, NIOSA Training Institute
1977	Optical Radiation Measurements CDI Seminar Management
1978	Packaging and Transportation of Radioactive Material Nuclear Energy Waste Management Consultants
1978	Nuclear Hazards Training Course Interservice Nuclear Weapons School Kirkland AFB, NM
1978	Personnel Management for Supervisors, Level I & II WRAMC

Membership: Health Physics Society

CHAPTER 3
Authorization to Use Radioactive Material

3-1. General.

a. The NRC has issued a specific "License of Broad Scope for By-Product Material" to WRAMC allowing use of specific types and quantities of radioactive material. NRC requirements stipulate that a Radiation Control Committee be established to exercise administrative control over the safe use of radioactive materials. The WRAMC RCC was chartered to meet these requirements.

b. The RCC issues Radioactive Material Authorizations to Principal Users as a means of controlling the use of radioactive material. All users of radioactive material must receive their authorization prior to using the material.

c. Non-Human Use Radioactive Material Authorizations are issued for 3 years. Human Use Authorizations are issued for 1 year. Both types of authorizations may be renewed upon request.

d. Individuals possessing more than 1/2 pound of pure natural uranium compounds are required to obtain an authorization.

3-2. Application Procedure.

a. To obtain, amend, renew or terminate authorization for use of radioactive material, individuals must submit "Application to Use Radioactive Materials," WRAMC Form 1661-R-Human Use or WRAMC Form 1662-R-Non Human Use. Applications will be submitted to the HPO for review and approval. All applications for human use of radioisotopes must be submitted to the Human Use Subcommittee for review of physician training and experience before HPO review. Each Principal User and Co-Worker must submit WRAMC Form 1643, "Training and Experience of Authorized Radioisotope Users", with the application. Each physician listed on a Human Use Authorization is required to submit NRC Form 313-M, Supplement B, Preceptor Statement, with the application.

b. Protocols describing the use and accountability of Tritiated Thymidine, Phosphorous-32 and unbound Iodine from the time of receipt until the time of disposal will be submitted with the application. The HPO may require protocols for other radioisotopes.

c. All requested information on the application will be provided. Incomplete applications will be returned, causing a delay in approval.

d. Application for use of gamma cell irradiators must include a copy of the proposed SOP addressing personnel safety, routine operation and emergency provisions.

25 May 1983

3-3. Review Procedures. All applications will be reviewed by the RCC and HPO to insure that individuals meet training and experience requirements, proposed procedures do not violate existing regulations and facilities and equipment are adequate for proposed usage. Applications will be signed by the HPO and returned to applicant. This is considered interim approval until the RCC next meets and officially approves the application.

3-4. Termination of Authorization. An authorization may be terminated by the Principal User, the RCC or the HPO at any time. When an authorization is terminated, the Principal User will insure that all work areas are cleared by the HPO prior to releasing them for alternate use and coordinate final disposition of unused radionuclides with the Radioactive Materials Control Branch, HPO.

TRAINING AND EXPERIENCE OF AUTHORIZED RADIOISOTOPE USERS

1. NAME OF AUTHORIZED USER (Last, First, MI)				2. STATE OR TERRITORY IN WHICH LICENSED: (MD, DDS, DVM, etc.)	
RANK/GRADE	ORGANIZATION	ORGANIZATIONAL DIVISION	BLDG./ROOM NO.	WRAMC AUTHORIZATION NO.	

3. CERTIFICATION

SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

4. FORMAL EDUCATION **HIGHEST ACADEMIC DEGREE ATTAINED**

Higher Educational Institutions Attended	Type of Program Pursued and Dates of Attendance	Degree, Diploma or Certificate Received and Date

5. TRAINING RECEIVED IN BASIS RADIOISOTOPE HANDLING TECHNIQUES

FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING (Include course title if known) B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION			
b. RADIATION PROTECTION			
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY			
d. RADIATION BIOLOGY			
e. RADIOPHARMACEUTICAL CHEMISTRY			

6. EXPERIENCE WITH RADIATION (Actual use of Radioscopes) (Sealed or unsealed source)

ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

7. EXPERIENCE WITH RADIATION PRODUCING DEVICES (X-ray, Irradiators, etc.)

DEVICE	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE

8. CERTIFICATION:

I certify that the information provided herein is true and complete to the best of my knowledge.

(Deter Signed)

(Signature of Applicant)