

Veterans
Administration

July 19, 1985

In Reply Refer To: 558/1148

*NAC
Region II*

Director, Nuclear Medicine Service (115)
Department of Medicine and Surgery
Veterans Administration Central Office
810 Vermont Avenue, N.W.
Washington, D.C. 20420

SUBJ: License Renewal - License No. 32-01134-01
Expiration Date: 08/31/85
Program Code: 02110

1. We request renewal of the license referenced above. We have reviewed the conditions of our current license as amended December 26, 1984 and the documents referenced in Paragraph 21 (application - January 22, 1979 letters - July 24, 1980 and October 29, 1984 with attachments), and believe that they reflect our current program with the exceptions noted below.

a. Attachment 1 lists the current membership of the Radioisotope Safety Committee as required by Form 313, Item 7 followed by curriculums vitae of the committee members. The committee membership has been selected to conform to regulations regarding committee constituency.

b. Attachment 2 provides an updated list of radiation instruments as required for Form 313, Item 9.

c. The scan room layout as required for Form 313, Item 11 (reference application 01/11/79) is changed only by replacement of the Ohio-Nuclear (Technicare) Model 84 scanner with a Siemens ZLC 75 gamma camera. Nuclear Cardiology imaging facilities are shown in attachment 3.

2. The person who may be contacted concerning this renewal application is C. Craig Harris, Nuclear Medicine Section, Durham VAMC. Telephone numbers: (919) 286-0411, ext. 6154 or (919) 684-5247.

3. We hope that this request will find favorable review as submitted, but will be pleased to provide any additional information needed.

[Signature]
B. F. BROWN
Medical Center Director

Attachments: 3

8603210317 860228
REG2 LIC30
32-01134-01 PDR

[Signature]
JAMES J. SMITH, M. D. (115)
Director, Nuclear Medicine Service
VA Central Office
Washington, D.C. 20420

Attachment 1 Form 313, Item 7 -- Radioisotope Safety Committee

The following is a list of the members of the Radioisotope Committee as of July 1, 1985:

Frederick R. Cobb, M.D. Chief, Cardiology, Durham VAMC. Professor of Medicine, Assistant Professor of Radiology, Duke University Medical Center.

R. Edward Coleman, M.D. Director, Nuclear Medicine Section and Nuclear Medicine Laboratory, Department of Radiology, Durham VAMC. Professor of Radiology, Duke University Medical Center.

James A. Duncan, Research Coordinator, Durham VAMC.

Ronald C. Greene, Ph.D. Principal Scientist, Durham VAMC. Associate Professor of Biochemistry, Duke University Medical Center.

C. Craig Harris, M.S. (Chairman) Nuclear Medicine Scientist, Nuclear Medicine Section, Department of Radiology, Durham VAMC. Associate Professor of Radiology, Duke University Medical Center.

Geoffrey M. Kajcienski, Ed.D. Administrative Assistant to the Chief of Staff, Durham VAMC.

Conrad M. Knight, B.S. Radiation Safety Officer, Durham VAMC. Associate in Radiology, Radiation Safety Officer, Duke University Medical Center.

Mary Moorefield, R.N. Head Nurse, 6-A, Nursing Service, Durham VAMC.

William M. Thompson, M.D. Chief, Radiology Service, Durham VAMC. Professor of Radiology, Duke University Medical Center.

CURRICULUM VITAE

NAME: Frederick Ross Cobb

SSN: 425-68-4585

DATE AND PLACE OF BIRTH: October 6, 1938
Greenville, South Carolina

ACADEMIC HONORS: 1962 - Roche Award - Outstanding Sophomore Student
1963 - Alpha Omega Alpha - Junior Year
1964 - Leathers Award - Outstanding Graduating Senior

SOCIETY MEMBERSHIPS:

American Heart Association
American Federation for Clinical Research
Southern Society for Clinical Investigation
American Physiological Society
American Society for Clinical Investigation
Council Member, Basic Science and Circulation, American Heart Association
Committee Member, Executive Committee of the Council on Circulation,
American Heart Association

EDUCATION: Mississippi College, Clinton, Mississippi, B.S. (Chemistry and
Biology), 1960
University of Mississippi Medical Center, Jackson, Mississippi,
M.D., 1964

PROFESSIONAL LICENSURE:

Medical License - States of North Carolina (55481) and Mississippi
Certified by American Board of Internal Medicine, 1972
Certified by the Subspecialty Board of Cardiovascular Disease, 1974

POSITIONS HELD:

1983- Chief, Cardiology Section, Veterans Administration Medical Center
1983- Professor of Medicine, Duke University Medical Center
1979- Assistant Professor of Radiology, Duke University
Medical Center
1976-1983 Associate Professor of Medicine, Duke University
Medical Center
1976-1981 Established Investigator of the American Heart
Association
1976-1977 Director, Cardiology Clinic, Veterans Administration
Medical Center

POSITIONS HELD: (cont'd)

1975-1977 Director, Coronary Care Unit, Veterans Administration
Medical Center
1973-1975 Clinical Investigator, Veterans Administration Medical
Center, Durham, North Carolina
1972-1975 Assistant Professor of Medicine, Duke University
Medical Center
1970-1973 Research Associate, Veterans Administration Medical
Center, Durham, North Carolina
1968-1970 Assistant Director, Medical Research and Development
Madigan General Hospital, Tacoma, Washington
Military Service - Army
1967-1968 Cardiology Fellowship, Duke University Medical Center
1966-1967 Medical Resident, Duke University Medical Center
1965-1966 Medical Resident, Research Training Program, Duke
University Medical Center
1964-1965 Intern in Medicine, Duke University Medical Center,
Durham, North Carolina

APPOINTMENTS:

Editorial Board, Circulation Research - 1984
American Heart Association
Council on Circulation
Council on Basic Science
Member Executive Committee of the Council on Circulation
National Institutes of Health
Research Grants Division
Cardiovascular and Pulmonary Study Section - 1985

COMMITTEES:

1983- Human Investigation Review Board - Duke
1983- Department of Medicine Promotions Committee - Duke
1983- Chairman of Search Committee - Chief of Gastroenterology Disease
1982- Research Committee - Veterans Administration Medical Center
1981- Radioisotope Committee - Duke
1981- Student Advisory Committee - Duke

PUBLICATIONS:

76 refereed and non-refereed papers and 65 published abstracts

CURRICULUM VITAE

DATE PREPARED: March 5, 1985

NAME: Ralph Edward Coleman, M.D.

PRIMARY ACADEMIC APPOINTMENT: Department of Radiology

SOCIAL SECURITY NUMBER: 313-44-9061

PRESENT ACADEMIC RANK AND TITLE: Professor of Radiology;
Director, Section of Nuclear Medicine

DATE AND RANK OF FIRST DUKE FACULTY APPOINTMENT:
July, 1979; Professor of Radiology

MEDICAL LICENSURE: North Carolina 1979
Utah 1976, Indiana 1970,
Missouri 1968

SPECIALTY CERTIFICATION AND DATES: American Board of Internal Medicine (42540)
1973
American Board of Nuclear Medicine (02865)
1974

DATE OF BIRTH: January 2, 1943

PLACE: Otwell, Indiana

CITIZEN OF: United States

EDUCATION:	PLACE	DATE	DEGREE
HIGH SCHOOL	Bosse High School Evansville, Indiana	1957-1961	
COLLEGE	University of Evansville Evansville, Indiana	1961-1965	BA
GRADUATE OR PROFESSIONAL SCHOOL	Washington University School of Medicine St. Louis, Missouri	1964-1968	MD

SCHOLARLY SOCIETIES; Sigma Xi, Blue Key, Kappa Mu Epsilon, Phi Kappa Phi

PROFESSIONAL TRAINING AND ACADEMIC CAREER:

July 1968 - 1969 Internship, Ward Medicine, Barnes Hospital
St. Louis, Missouri

July 1969 - 1970 Medicine Resident
Royal Victoria Hospital, Montreal, Quebec

July 1972 - 1974 Fellowship, Nuclear Medicine
Mallinckrodt Institute of Radiology
St. Louis, Missouri

July 1974 - December 1974	Instructor in Radiology Washington University School of Medicine St. Louis, Missouri
January 1975 - May 1976	Assistant Professor of Radiology, Washington University School of Medicine, St. Louis, Missouri
May 1976 - June 1978	Assistant Professor of Radiology, University of Utah Medical Center, Salt Lake City, Utah
May 1978 - July 1979	Associate Professor of Radiology, University of Utah Medical Center, Salt Lake City, Utah .
July 1979 - Present	Professor of Radiology, Duke University Medical Center, Durham, North Carolina

Publications: 137 refereed papers, 39 non-refereed papers and book chapters,
1 book, and 94 published abatracts.

CURRICULUM VITAE

6/26/85

1. NAME: James A. Duncan
2. TITLE: Administrator Research Program
3. DATE OF BIRTH: September 4, 1937
4. EDUCATION: High School - Graduated 1955
Kennedy's Business School - Graduated 1957
International Accounting School - Graduated 1959
Completed Certificate Program "Hospital Administration" -
Duke University, 1973-1974
Attended Durham Technical Institute - 1 year, 1976
1 Semester - University North Carolina, Chapel Hill -
Business Courses - 1972
5. POSITIONS HELD:
 - a. 5/57 - 5/58 Bookkeeper - Office Manager, W. M. Hunt
Plumbing and Heating Company, Durham, N. C.
 - b. 5/58 - 4/60 Budget Clerk - VAMC, Durham, N. C.
 - c. 4/60 - 4/62 Cost Accounting Technician, VAMC, Durham, N. C.
 - d. 4/62 - 9/67 Supervisory Accounting Tech., VAMC, Durham, N. C.
 - e. 9/67 - 1/69 Supervisory Accountant, VAMC, Durham, N. C.
 - f. 1/69 - 8/73 Budget & Accounting Officer, VAMC, Durham, N. C.
 - g. 8/73 - 1/74 Fiscal Officer, VAMC, Salisbury, N. C.
 - h. 1/74 - 8/80 Budget & Accounting Officer - VAMC, Durham, N. C.
 - i. 8/80 - Present Administrative Officer - VAMC, Durham, N. C.
6. MEMBERSHIPS: None
7. ACADEMIC AFFILIATIONS: None
8. SCIENTIFIC ORGANIZATIONS: None
9. HONORS & AWARDS: Outstanding Ratings, 1960, 1964, 1967, 1972, 1983, 1984 & 1985
Letters of Commendations, 1969, 1978,
10. BIBLIOGRAPHY: None

CURRICULUM VITAE

Name: Ronald C. Greene
Born: June 7, 1928, Los Angeles, California
Married: August 12, 1950 Three children.

Education:

B.S. in Biology, June, 1949
Ph.D. in Biochemistry, June 1954
California Institute of Technology, Pasadena, California

Experience:

1954-1957 Commissioned Officer, U.S. Public Health Service
NIH Bethesda, Maryland

1957-Present

Research Biochemist (GS11 to GS14)
U.S.V.A. Medical Center
and

Instructor to Associate Professor
Department of Biochemistry
Duke University Medical Center
Durham, N.C.

Publications:

34 refereed papers

CURRICULUM VITAE

1985

Revised July. 11,

NAME: Cecil Craig Harris, M.S.

PRIMARY ACADEMIC APPOINTMENT: Radiology

SOCIAL SECURITY NUMBER: 426-32-7072

PRESENT ACADEMIC RANK AND TITLE: Associate Professor

DATE AND RANK OF FIRST DUKE FACULTY APPOINTMENT: April, 1967
Assistant Professor

SPECIALTY CERTIFICATION AND DATES: Medical Nuclear Physics,
American Board of Radiology, 1971

DATE OF BIRTH: Feb. 20, 1925 PLACE: Raymond, Miss.

CITIZEN OF: United States

EDUCATION:

	Place	Date	Degree
High School	Port Gibson, Miss.	1941	---
College E.E.	The University of Tennessee	1949	B.S. in
Graduate School	University of Tennessee	1951	M.S.

SCHOLARLY SOCIETIES: Phi Theta Kappa
Tau Beta Pi (Engineering)
Eta Kappa Nu (Electrical Engineering)

PROFESSIONAL TRAINING AND ACADEMIC CAREER:

Mississippi State University, MS:

June 1949-June 1950 Instructor in Electrical Engineering

Oak Ridge National Laboratory, Oak Ridge, TN:

June 1950-June 1952 Jr. Development Engineer, School of Reactor Technology

June 1952-Sept. 1957 Development Engineer, Physical Electronics Group
Physics Division

Sept. 1957-Apr. 1967 Research Staff Member, Thermonuclear Division.
Acting Group Leader, Medical Nuclear Instrumentation Group.

June 1961-Apr. 1967 Radiation Safety Officer, Thermonuclear Division

Duke University Medical Center, Durham, N.C.

Apr. 1967-Dec. 1971 Assistant Professor of Medical Electronics
Department of Radiology

Dec. 1971-present Associate Professor of Radiology

Durham Veterans Administration Medical Center,
Durham, N.C.

1979-present Nuclear Medicine Scientist
Radiology Service

PUBLICATIONS: 41 refereed papers, 55 non-refereed papers and book chapters,
and 35 published abstracts

CURRICULUM VITAE

NAME: Geoffrey M. Kajcienski, Ed.D.
DATE/PLACE OF BIRTH: June 22, 1941/Battle Creek, Michigan
HOME ADDRESS: 4503 Malvern Road
Durham, North Carolina 27707
BUSINESS ADDRESS: Veterans Administration Medical Center
Chief of Staff Office (11D)
508 Fulton Street
Durham, North Carolina 27705

EDUCATION:

B.S. 1964 Western Michigan University
Kalamazoo, Michigan
Major - Adapted Physical Education
Minor - Psychology
Industrial Education
Biology
Graduated Courses - Special Education
M.A. 1974 Inter American University
San Juan, Puerto Rico
Major - Management and Supervision
Minor - Counselling
Ed.D. 1980 Inter American University
San Juan, Puerto Rico
Major - Educational Administration
Specialization - Resource Allocation

ADDITIONAL PROFESSIONAL STUDY:

Durham Technical Institute
Durham, North Carolina
Undergraduate course, 1983 - present
Major - Computer Science - Systems Analysis
and Design (12 credit hrs. completed)

University of Kansas
Lawrence, Kansas

Masters in Public Administration Program,
1978-1981
Major - Public Administration (12 credit
hrs. completed)

Emporia State University
Emporia, Kansas

M.A. Program, 1978-1979
Major - Vocational Rehabilitation Counsel-
ing (10 credit hrs. completed)

Santa Fe College
Gainesville, Florida

Undergraduate Program, 1970-1971
Major - Accounting (6 credit hrs. completed)

Kellogg Community College
Battle Creek, Michigan

Undergraduate Program, 1968-1969
Major - Computer Technology (6 credit hrs.
completed)

PROFESSIONAL EXPERIENCE:

1983 - present	Administrative Assistant/Chief of Staff Veterans Administration Medical Center Durham, NC
1981-1983	Assistant Medical District Coordinator/ District Planner, Durham VAMC
1974-1981	Coordinator of Rehabilitation Medicine Service, Veterans Administration Medical Center, Topeka, KS
1975-1981	Adjunct Instructor, Washburn Univ., Topeka, KS
1970-1974	Chief, Therapeutic Recreation/Administrative Coordinator, Rehabilitation Medicine Service, Veterans Administration Medical Center, San Juan, PR
1967-1970	Chief Therapeutic Recreation/Administrative Coordinator, Veterans Administration Medical Center, Gainesville, FL
1969-1970	Rehabilitation Consultant, Computer Management Corporation, Gainesville, FL

PROFESSIONAL EXPERIENCE (continued):

1966-1967	Therapeutic Recreation Specialist. Veterans Administration Medical Center, Battle Creek, MI
1965-66	Mathematics Instructor, Western Michigan University/Job Corps Training Center, Battle Creek, MI
1964-1965	Athletic Director/Teacher, Littlefield Public Schools, Alanson, MI
1964-1965	City Recreation Director, City of Alanson, MI
1959-1964	Business Systems Salesman, Wellener Business Systems, Battle Creek, MI

PUBLICATIONS:

Eleven papers, presentations and booklets.

June 1985

CURRICULUM VITAE

Conrad M. Knight

Home address: Route 12, Box 194
Chapel Hill, North Carolina 27514
Phone: 919-489-9058

Business address: P.O. Box 3155
Duke University Medical Center
Durham, North Carolina 27710
Phone: 919-684-2194

Education:

BS, Chemistry, Norwich University, Northfield, Vermont, 1953

Health Physics Course, Oak Ridge National Laboratory, 1958

Employment:

1953 - 1954: Assistant Post Chemical Officer (2/Lt), Ft. Devens, Massachusetts; conducted proficiency testing of units and personnel in protective measures against chemical/biological/radiological warfare.

1954: Attend Basic Chemical Corps Officers School, Ft. McClellan, Alabama.

1954 - 1956: Platoon Leader and Training Officer, 216th Chemical Company, Rocky Mountain Arsenal, Denver, Colorado.

1956 - 1957: Radiological Safety Officer (1/Lt), Task Group 7.2, Eniwetok Atoll, Marshall Islands. Issued, processed and maintained records of personnel dosimeters for all Army personnel participating in Operation Redwing nuclear test series. Supervised radiological monitoring activities of islands potentially contaminated from nuclear testing. Provided training and advice for personnel entering contaminated areas

1957: Attend Advanced Chemical Corps Officers School, Ft. McClellan, Alabama.

1957 - 1960: Radiological Safety Officer (Captain); U.S. Army Chemical Corps School, Ft. McClellan, Alabama. Supervised radiological aspects of 10,000 Curie Cobalt 60 field used to train ground and aerial monitors; developed and performed as primary instructor for 2-week Health Physics Course conducted for Army personnel and civilian employees; member US Army Plutonium Contamination (PLUCON) Team; developed and acted as primary instructor for 1-week course on health physics aspects of Nike-Hercules missiles.

1960 - 1961: Radiation Analyst, U.S. Atomic Energy Commission, Germantown, Maryland. Reviewed applications for use of radioactive materials to determine adequacy of safety techniques, procedures and programs; performed radiological hazard analysis of proposals involving radioisotopes in medicine, industry and research; reviewed shielding calculations relative to large radioactive sources; interpreted regulations for applicants and licensees.

1961 - present: Radiological Safety Officer, Duke University and Medical Center. Current program consists of 185 faculty members authorized the use of radioactive materials; 143 diagnostic X-Ray machines; 2000 persons issued TLD's; 100 brachytherapy sources; 15 analytical X-Ray units; 5 research accelerators; 2 medical accelerators; 1 medical cyclotron; 1 cobalt 60 and 1 cesium 137 teletherapy unit; and 1 cobalt 60 irradiator. The Radiation Safety Office consists of the RSO, an Assistant RSO, 3 radiation safety technologists, 3 radiation safety assistants, and 2 secretaries. Current budget is \$430,000. Member of the Duke University Committee on Radiological Safety and Medical Center Radiation Control and Radioactive Drug Research Committee and Durham VA Radioisotope Committee. Present radiation safety lectures to radiology residents on routine basis and radiation safety training to other personnel on an as needed basis. Review all applications for use of radioactive materials to ascertain adequacy of radiation safety measures. Calculate patient doses from radiopharmaceuticals and X-Ray examinations. Maintain records of radioisotope receipts and disposals and personnel monitoring (internal and external) results; supervise waste disposal program and X-Ray machine calibrations; perform X-Ray shielding calculations; provide health physics advice to faculty, staff and students.

Activities:

Consulting: (a) President, Calib-Ray, Ltd., a radiation instrumentation calibration service. (b) 50% owner of Radiological Dosimetry Service, Inc., a consulting health physics service for hospitals and industry. (c) Radiation Safety Officer, Durham VA Hospital. (d) Consultant to N.C. Department of Human Resources primarily for continuing review of State radiation protection regulations.

Member, Health Physics Society

Member, N.C. Chapter, Health Physics Society (past president)

Member, N.C. State Radiological Emergency Team

Faculty appointment (Associate) in Department of Radiology, Duke Medical Center

CURRICULUM VITAE

WILLIAM MOREAU THOMPSON, M.D.

525-96-7552

BIRTHDATE: October 20, 1943

BIRTHPLACE: Philadelphia, Pennsylvania

MARITAL STATUS: Married July 27, 1968.
Wife - Judy Anne
Children - Christopher Moreau Thompson, December 15, 1972
Thayer Haddon Thompson, September 11, 1974

DEGREES: B.A., Colgate University, 1965
M.D., University of Pennsylvania, 1969

INTERNSHIP: Case Western Reserve Medical Center, 1969-1970

RESIDENCY: Radiology, Duke University Medical Center, 1972-1974

BUSINESS ADDRESS: Department of Radiology
Duke University Medical Center
Box 3808
Durham, NC 27710
(919) 684-2711 ext. 262 or 286-0411 ext. 6540

HOME ADDRESS: 1502 Michaux
Chapel Hill, NC 27514

CERTIFICATION: American Board of Radiology
June 1975

APPOINTMENTS:

Professor of Radiology
Duke University Medical Center
Department of Radiology
Durham, NC
August 1, 1982 - PRESENT

Chief, Department of Radiology
Veterans Administration Hospital
Durham, NC
1979 - PRESENT

Visiting Scholar
Advanced Imaging Laboratory
Stanford University Medical Center
Stanford, CA
January 1, 1984 - June 30, 1984

Associate Professor of Radiology
Duke University Medical Center
Durham, NC
1977 - 1982

Visiting Associate Professor in Radiology
Stanford University
Palo Alto, CA
June 1980

Consultant, Department of Radiology
Veterans Hospital
La Jolla, CA
1976 - 1977

Visiting Assistant Professor in Radiology
University of California Medical School
San Diego, CA
1976 - 1977

Assistant Professor in Radiology
Duke University Medical Center
Durham, NC
1975 - 1977

Chairman, Steering Committee
American Association of Academic Chief Residents in Radiology
1974 - 1975

Chief Resident & Associate in Radiology
Duke University Medical Center
Durham, NC
1974 - 1975

William M. Thompson, M.D.

APPOINTMENTS CONTINUED:

U.S. Public Health Service
Alaska Native Medical Center
Senior Assistant Surgeon
1970 - 1972

PUBLICATIONS:

111 refereed and non-refereed papers, 25 scientific exhibits, 11 book chapters and 31 published abstracts

1. Survey meters (available on demand from Radiation Safety Officer):

a. Manufacturer's name: Ludlum

Manufacturer's model number: Model 19, Micro-R

Number of instruments available: 1

Minimum range: 0 mR/hr to 0.025 mR/hr.

Maximum range: 0 mr/hr to 5 mR/hr.

b. Manufacturer's name: Ludlum

Manufacturer's model number: Model 3, (G-M)

Number of instruments available: 2

Minimum range: 0 mR/hr to 0.2 mR/hr.

Maximum range: 0 mr/hr to 200 mR/hr.

c. Manufacturer's name: Ludlum

Manufacturer's model number: 17 (ion chamber)

Number of instruments available: 1

Minimum range: 0 mR/hr to 50 mR/hr.

Maximum range: 0 mr/hr to 50,000 mR/hr.

d. Manufacturer's name: Victoreen

Manufacturer's model number: 440

Number of instruments available: 3

Minimum range: 0 mR/hr to 3 mR/hr.

Maximum range: 0 mr/hr to 300 mR/hr.

e. Manufacturer's name: Eberline

Manufacturer's model number: PAC-4G-3 (proportional counter)

Number of instruments available: 1

Minimum range: 0 cpm to 5K cpm (alpha and beta)

Maximum range: 0 cpm to 500K cpm.

2. Dose calibrator

Manufacturer's name: Capintec

Manufacturer's model number: CRC-5(R)

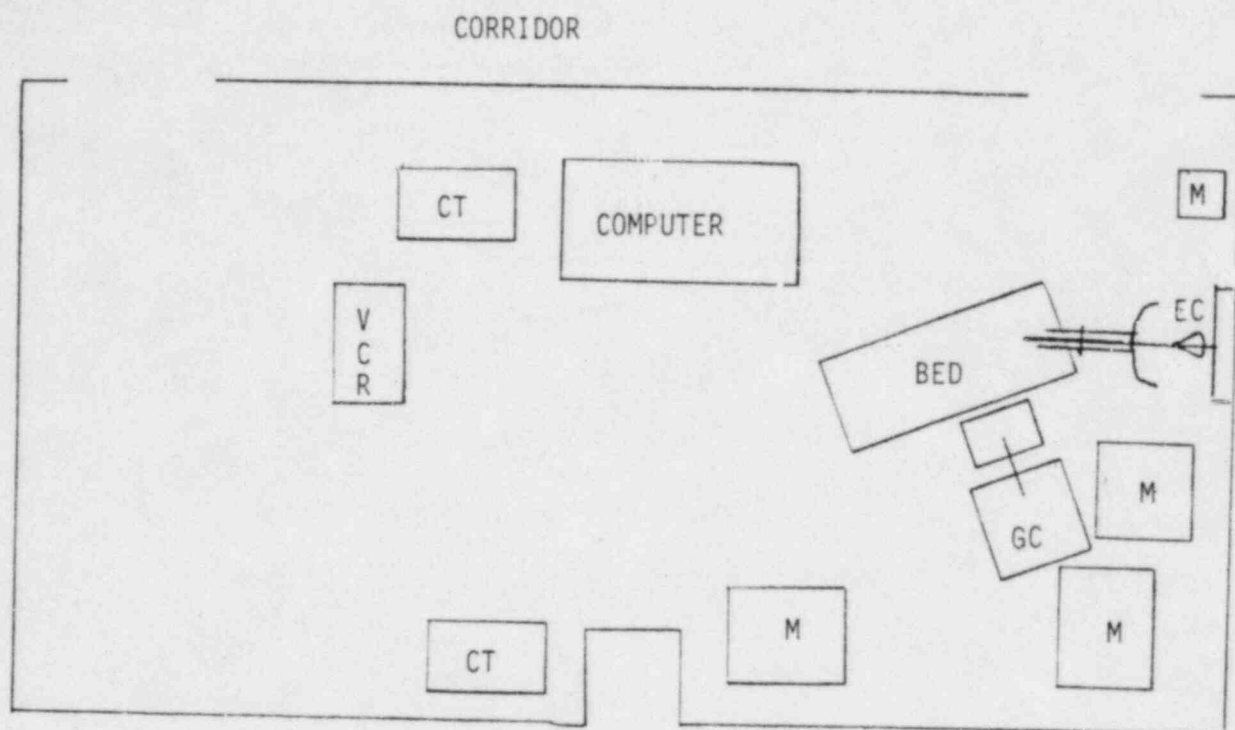
Number of instruments available: 1

3. Instruments used for diagnostic procedures

	Type of Instrument	Mfr's. name	Model No.
a.	gamma camera	General Electric	Maxicamera II
b.	gamma camera	Siemens	ZLC 75
c.	gamma camera	Siemens	LEM (mobile)
d.	multiplane scanner	Siemens	Pho/Con
e.	thyroid probe	Nuclear-Chicago	8725 Thyrad
f.	gamma well counter	Packard	MultiPrias II
g.	gamma well counter	Nuclear-Chicago	6860 Mk I

4. Other

	Type of instrument	Mfr's. Name	Model No.	No. Avail.
a.	liquid scint.	Intertechnique	SL4000	3
b.	liquid scint.	Intertechnique	SL30	1
c.	liquid scint.	Nuclear-Chicago	IsoCap 300	1
d.	liquid scint.	Packard	TriCarb 3375	2
e.	liquid scint.	Lionel Electr.	CDV-7000-6b	1
f.	liquid scint.	Biotech	460	1
g.	liquid scint.	Beckman	LS1000	1
h.	liquid scint.	Beckman	LS8100	1
i.	NaI well counter	Packard	5910	1
j.	NaI well counter	Packard	5210	1
k.	NaI well counter	Nuclear-Chicago	---	1
l.	NaI well counter	LKB	1271	1
m.	NaI well counter	S/P	AW14120	1
n.	NaI well counter	Baird Atomic	530	1
o.	NaI well counter	Beckman	4000	2
p.	area monitor	Nuclear-Chicago	1619	1
q.	area mon./survey	Eberline	RM14	1
r.	survey	Eberline	E520	1



OUTLINE SKETCH, NUCLEAR CARDIOLOGY

CT = computer terminal

VCR = video cassette recorder

M = monitoring equipment

EC = exercise cycle

GC = mobile gamma camera (Siemens LEM)

Durham VAMC

Attachment 1 Form 313, Item 7 -- Radioisotope Safety Committee

The following is a list of the members of the Radioisotope Committee as of July 1, 1985:

Frederick R. Cobb, M.D. Chief, Cardiology, Durham VAMC. Professor of Medicine, Assistant Professor of Radiology, Duke University Medical Center.

R. Edward Coleman, M.D. Director, Nuclear Medicine Section and Nuclear Medicine Laboratory, Department of Radiology, Durham VAMC. Professor of Radiology, Duke University Medical Center.

James A. Duncan, Research Coordinator, Durham VAMC.

Ronald C. Greene, Ph.D. Principal Scientist, Durham VAMC. Associate Professor of Biochemistry, Duke University Medical Center.

C. Craig Harris, M.S. (Chairman) Nuclear Medicine Scientist, Nuclear Medicine Section, Department of Radiology, Durham VAMC. Associate Professor of Radiology, Duke University Medical Center.

Geoffrey M. Kajcienski, Ed.D. Administrative Assistant to the Chief of Staff, Durham VAMC.

Conrad M. Knight, B.S. Radiation Safety Officer, Durham VAMC. Associate in Radiology, Radiation Safety Officer, Duke University Medical Center.

Mary Moorefield, R.N. Head Nurse, 6-A, Nursing Service, Durham VAMC.

William M. Thompson, M.D. Chief, Radiology Service, Durham VAMC. Professor of Radiology, Duke University Medical Center.

CURRICULUM VITAE

NAME: Frederick Ross Cobb

SSN: 425-68-4585

DATE AND PLACE OF BIRTH: October 6, 1938
Greenville, South Carolina

ACADEMIC HONORS: 1962 - Roche Award - Outstanding Sophomore Student
1963 - Alpha Omega Alpha - Junior Year
1964 - Leathers Award - Outstanding Graduating Senior

SOCIETY MEMBERSHIPS:

American Heart Association
American Federation for Clinical Research
Southern Society for Clinical Investigation
American Physiological Society
American Society for Clinical Investigation
Council Member, Basic Science and Circulation, American Heart Association
Committee Member, Executive Committee of the Council on Circulation,
American Heart Association

EDUCATION: Mississippi College, Clinton, Mississippi, B.S. (Chemistry and
Biology), 1960
University of Mississippi Medical Center, Jackson, Mississippi,
M.D., 1964

PROFESSIONAL LICENSURE:

Medical License - States of North Carolina (55481) and Mississippi
Certified by American Board of Internal Medicine, 1972
Certified by the Subspecialty Board of Cardiovascular Disease, 1974

POSITIONS HELD:

1983- Chief, Cardiology Section, Veterans Administration Medical Center
1983- Professor of Medicine, Duke University Medical Center
1979- Assistant Professor of Radiology, Duke University
Medical Center
1976-1983 Associate Professor of Medicine, Duke University
Medical Center
1976-1981 Established Investigator of the American Heart
Association
1976-1977 Director, Cardiology Clinic, Veterans Administration
Medical Center

POSITIONS HELD: (cont'd)

1975-1977 Director, Coronary Care Unit, Veterans Administration
Medical Center
1973-1975 Clinical Investigator, Veterans Administration Medical
Center, Durham, North Carolina
1972-1975 Assistant Professor of Medicine, Duke University
Medical Center
1970-1973 Research Associate, Veterans Administration Medical
Center, Durham, North Carolina
1968-1970 Assistant Director, Medical Research and Development
Madigan General Hospital, Tacoma, Washington
Military Service - Army
1967-1968 Cardiology Fellowship, Duke University Medical Center
1966-1967 Medical Resident, Duke University Medical Center
1965-1966 Medical Resident, Research Training Program, Duke
University Medical Center
1964-1965 Intern in Medicine, Duke University Medical Center,
Durham, North Carolina

APPOINTMENTS:

Editorial Board, Circulation Research - 1984
American Heart Association
Council on Circulation
Council on Basic Science
Member Executive Committee of the Council on Circulation
National Institutes of Health
Research Grants Division
Cardiovascular and Pulmonary Study Section - 1985

COMMITTEES:

1983- Human Investigation Review Board - Duke
1983- Department of Medicine Promotions Committee - Duke
1983- Chairman of Search Committee - Chief of Gastroenterology Disease
1982- Research Committee - Veterans Administration Medical Center
1981- Radioisotope Committee - Duke
1981- Student Advisory Committee - Duke

PUBLICATIONS:

76 refereed and non-refereed papers and 65 published abstracts

CURRICULUM VITAE

DATE PREPARED: March 5, 1985

NAME: Ralph Edward Coleman, M.D.

PRIMARY ACADEMIC APPOINTMENT: Department of Radiology

SOCIAL SECURITY NUMBER: 313-44-9061

PRESENT ACADEMIC RANK AND TITLE: Professor of Radiology;
Director, Section of Nuclear Medicine

DATE AND RANK OF FIRST DUKE FACULTY APPOINTMENT:
July, 1979; Professor of Radiology

MEDICAL LICENSURE: North Carolina 1979
Utah 1976, Indiana 1970,
Missouri 1968

SPECIALTY CERTIFICATION AND DATES: American Board of Internal Medicine (42540)
1973
American Board of Nuclear Medicine (02865)
1974

DATE OF BIRTH: January 2, 1943

PLACE: Otwell, Indiana

CITIZEN OF: United States

EDUCATION:	PLACE	DATE	DEGREE
HIGH SCHOOL	Bosse High School Evansville, Indiana	1957-1961	
COLLEGE	University of Evansville Evansville, Indiana	1961-1965	BA
GRADUATE OR PROFESSIONAL SCHOOL	Washington University School of Medicine St. Louis, Missouri	1964-1968	MD

SCHOLARLY SOCIETIES; Sigma Xi, Blue Key, Kappa Mu Epsilon, Phi Kappa Phi

PROFESSIONAL TRAINING AND ACADEMIC CAREER:

July 1968 - 1969	Internship, Ward Medicine, Barnes Hospital St. Louis, Missouri
July 1969 - 1970	Medicine Resident Royal Victoria Hospital, Montreal, Quebec
July 1972 - 1974	Fellowship, Nuclear Medicine Mallinckrodt Institute of Radiology St. Louis, Missouri

July 1974 - December 1974	Instructor in Radiology Washington University School of Medicine St. Louis, Missouri
January 1975 - May 1976	Assistant Professor of Radiology, Washington University School of Medicine, St. Louis, Missouri
May 1976 - June 1978	Assistant Professor of Radiology, University of Utah Medical Center, Salt Lake City, Utah
May 1978 - July 1979	Associate Professor of Radiology, University of Utah Medical Center, Salt Lake City, Utah .
July 1979 - Present	Professor of Radiology, Duke University Medical Center, Durham, North Carolina

Publications: 137 refereed papers, 39 non-refereed papers and book chapters,
1 book, and 94 published abatracts.

CURRICULUM VITAE

6/26/85

1. NAME: James A. Duncan
2. TITLE: Administrator Research Program
3. DATE OF BIRTH: September 4, 1937
4. EDUCATION: High School - Graduated 1955
Kennedy's Business School - Graduated 1957
International Accounting School - Graduated 1959
Completed Certificate Program "Hospital Administration" -
Duke University, 1973-1974
Attended Durham Technical Institute - 1 year, 1976
1 Semester - University North Carolina, Chapel Hill -
Business Courses - 1972
5. POSITIONS HELD:
 - a. 5/57 - 5/58 Bookkeeper - Office Manager, W. M. Hunt
Plumbing and Heating Company, Durham, N. C.
 - b. 5/58 - 4/60 Budget Clerk - VAMC, Durham, N. C.
 - c. 4/60 - 4/62 Cost Accounting Technician, VAMC, Durham, N. C.
 - d. 4/62 - 9/67 Supervisory Accounting Tech., VAMC, Durham, N. C.
 - e. 9/67 - 1/69 Supervisory Accountant, VAMC, Durham, N. C.
 - f. 1/69 - 8/73 Budget & Accounting Officer, VAMC, Durham, N. C.
 - g. 8/73 - 1/74 Fiscal Officer, VAMC, Salisbury, N. C.
 - h. 1/74 - 8/80 Budget & Accounting Officer - VAMC, Durham, N. C.
 - i. 8/80 - Present Administrative Officer - VAMC, Durham, N. C.
6. MEMBERSHIPS: None
7. ACADEMIC AFFILIATIONS: None
8. SCIENTIFIC ORGANIZATIONS: None
9. HONORS & AWARDS: Outstanding Ratings, 1960, 1964, 1967, 1972, 1983, 1984 & 1985
Letters of Commendations, 1969, 1978 ,
10. BIBLIOGRAPHY: None

CURRICULUM VITAE

Name: Ronald C. Greene
Born: June 7, 1928, Los Angeles, California
Married: August 12, 1950 Three children.

Education:

B.S. in Biology, June, 1949
Ph.D. in Biochemistry, June 1954
California Institute of Technology, Pasadena, California

Experience:

1954-1957 Commissioned Officer, U.S. Public Health Service
NIH Bethesda, Maryland

1957-Present

Research Biochemist (GS11 to GS14)
U.S.V.A. Medical Center
and
Instructor to Associate Professor
Department of Biochemistry
Duke University Medical Center
Durham, N.C.

Publications:

34 refereed papers

CURRICULUM VITAE

1985

Revised July. 11,

NAME: Cecil Craig Harris, M.S.

PRIMARY ACADEMIC APPOINTMENT: Radiology

SOCIAL SECURITY NUMBER: 426-32-7072

PRESENT ACADEMIC RANK AND TITLE: Associate Professor

DATE AND RANK OF FIRST DUKE FACULTY APPOINTMENT: April, 1967
Assistant Professor

SPECIALTY CERTIFICATION AND DATES: Medical Nuclear Physics,
American Board of Radiology, 1971

DATE OF BIRTH: Feb. 20, 1925 PLACE: Raymond, Miss.

CITIZEN OF: United States

EDUCATION:

	Place	Date	Degree
High School	Port Gibson, Miss.	1941	---
College E.E.	The University of Tennessee	1949	B.S. in
Graduate School	University of Tennessee	1951	M.S.

SCHOLARLY SOCIETIES: Phi Theta Kappa
Tau Beta Pi (Engineering)
Eta Kappa Nu (Electrical Engineering)

PROFESSIONAL TRAINING AND ACADEMIC CAREER:

Mississippi State University, MS:

June 1949-June 1950 Instructor in Electrical Engineering

Oak Ridge National Laboratory, Oak Ridge, TN:

June 1950-June 1952 Jr. Development Engineer, School of Reactor Technology

June 1952-Sept. 1957 Development Engineer, Physical Electronics Group Physics Division

Sept. 1957-Apr. 1967 Research Staff Member, Thermonuclear Division.
Acting Group Leader, Medical Nuclear Instrumentation Group.

June 1961-Apr. 1967 Radiation Safety Officer, Thermonuclear Division

Duke University Medical Center, Durham, N.C.

Apr. 1967-Dec. 1971 Assistant Professor of Medical Electronics
Department of Radiology

Dec. 1971-present Associate Professor of Radiology

Durham Veterans Administration Medical Center,
Durham, N.C.

1979-present Nuclear Medicine Scientist
Radiology Service

PUBLICATIONS: 41 refereed papers, 55 non-refereed papers and book chapters,
and 35 published abstracts

CURRICULUM VITAE

NAME: Geoffrey M. Kajcienski, Ed.D.
DATE/PLACE OF BIRTH: June 22, 1941/Battle Creek, Michigan
HOME ADDRESS: 4503 Malvern Road
Durham, North Carolina 27707
BUSINESS ADDRESS: Veterans Administration Medical Center
Chief of Staff Office (11D)
508 Fulton Street
Durham, North Carolina 27705

EDUCATION:

B.S.	1964	Western Michigan University Kalamazoo, Michigan
		Major - Adapted Physical Education Minor - Psychology Industrial Education Biology Graduated Courses - Special Education
M.A.	1974	Inter American University San Juan, Puerto Rico
		Major - Management and Supervision Minor - Counselling
Ed.D.	1980	Inter American University San Juan, Puerto Rico
		Major - Educational Administration Specialization - Resource Allocation

ADDITIONAL PROFESSIONAL STUDY:

Durham Technical Institute
Durham, North Carolina

Undergraduate course, 1983 - present
Major - Computer Science - Systems Analysis
and Design (12 credit hrs. completed)

University of Kansas
Lawrence, Kansas

Masters in Public Administration Program,
1978-1981
Major - Public Administration (12 credit
hrs. completed)

Emporia State University
Emporia, Kansas

M.A. Program, 1978-1979
Major - Vocational Rehabilitation Counsel-
ling (10 credit hrs. completed)

Santa Fe College
Gainesville, Florida

Undergraduate Program, 1970-1971
Major - Accounting (6 credit hrs. completed)

Kellogg Community College
Battle Creek, Michigan

Undergraduate Program, 1968-1969
Major - Computer Technology (6 credit hrs.
completed)

PROFESSIONAL EXPERIENCE:

1983 - present	Administrative Assistant/Chief of Staff Veterans Administration Medical Center Durham, NC
1981-1983	Assistant Medical District Coordinator/ District Planner, Durham VAMC
1974-1981	Coordinator of Rehabilitation Medicine Service, Veterans Administration Medical Center, Topeka, KS
1975-1981	Adjunct Instructor, Washburn Univ., Topeka, KS
1970-1974	Chief, Therapeutic Recreation/Administrative Coordinator, Rehabilitation Medicine Service, Veterans Administration Medical Center, San Juan, PR
1967-1970	Chief Therapeutic Recreation/Administrative Coordinator, Veterans Administration Medical Center, Gainesville, FL
1969-1970	Rehabilitation Consultant, Computer Management Corporation, Gainesville, FL

PROFESSIONAL EXPERIENCE (continued):

1966-1967	Therapeutic Recreation Specialist. Veterans Administration Medical Center, Battle Creek, MI
1965-66	Mathematics Instructor, Western Michigan University/Job Corps Training Center, Battle Creek, MI
1964-1965	Athletic Director/Teacher, Littlefield Public Schools, Alanson, MI
1964-1965	City Recreation Director, City of Alanson, MI
1959-1964	Business Systems Salesman, Wellener Business Systems, Battle Creek, MI

PUBLICATIONS:

Eleven papers, presentations and booklets.

June 1985

CURRICULUM VITAE

Conrad M. Knight

Home address: Route 12, Box 194
Chapel Hill, North Carolina 27514
Phone: 919-489-9058

Business address: P.O. Box 3155
Duke University Medical Center
Durham, North Carolina 27710
Phone: 919-684-2194

Education:

BS, Chemistry, Norwich University, Northfield, Vermont, 1953

Health Physics Course, Oak Ridge National Laboratory, 1958

Employment:

1953 - 1954: Assistant Post Chemical Officer (2/Lt), Ft. Devens, Massachusetts; conducted proficiency testing of units and personnel in protective measures against chemical/biological/radiological warfare.

1954: Attend Basic Chemical Corps Officers School, Ft. McClellan, Alabama.

1954 - 1956: Platoon Leader and Training Officer, 216th Chemical Company, Rocky Mountain Arsenal, Denver, Colorado.

1956 - 1957: Radiological Safety Officer (1/Lt), Task Group 7.2, Eniwetok Atoll, Marshall Islands. Issued, processed and maintained records of personnel dosimeters for all Army personnel participating in Operation Redwing nuclear test series. Supervised radiological monitoring activities of islands potentially contaminated from nuclear testing. Provided training and advice for personnel entering contaminated areas

1957: Attend Advanced Chemical Corps Officers School, Ft. McClellan, Alabama.

1957 - 1960: Radiological Safety Officer (Captain); U.S. Army Chemical Corps School, Ft. McClellan, Alabama. Supervised radiological aspects of 10,000 Curie Cobalt 60 field used to train ground and aerial monitors; developed and performed as primary instructor for 2-week Health Physics Course conducted for Army personnel and civilian employees; member US Army Plutonium Contamination (PLUCON) Team; developed and acted as primary instructor for 1-week course on health physics aspects of Nike-Hercules missiles.

1960 - 1961: Radiation Analyst, U.S. Atomic Energy Commission, Germantown, Maryland. Reviewed applications for use of radioactive materials to determine adequacy of safety techniques, procedures and programs; performed radiological hazard analysis of proposals involving radioisotopes in medicine, industry and research; reviewed shielding calculations relative to large radioactive sources; interpreted regulations for applicants and licensees.

1961 - present: Radiological Safety Officer, Duke University and Medical Center. Current program consists of 185 faculty members authorized the use of radioactive materials; 143 diagnostic X-Ray machines; 2000 persons issued TLD's; 100 brachytherapy sources; 15 analytical X-Ray units; 5 research accelerators; 2 medical accelerators; 1 medical cyclotron; 1 cobalt 60 and 1 cesium 137 teletherapy unit; and 1 cobalt 60 irradiator. The Radiation Safety Office consists of the RSO, an Assistant RSO, 3 radiation safety technologists, 3 radiation safety assistants, and 2 secretaries. Current budget is \$430,000. Member of the Duke University Committee on Radiological Safety and Medical Center Radiation Control and Radioactive Drug Research Committee and Durham VA Radioisotope Committee. Present radiation safety lectures to radiology residents on routine basis and radiation safety training to other personnel on an as needed basis. Review all applications for use of radioactive materials to ascertain adequacy of radiation safety measures. Calculate patient doses from radiopharmaceuticals and X-Ray examinations. Maintain records of radioisotope receipts and disposals and personnel monitoring (internal and external) results; supervise waste disposal program and X-Ray machine calibrations; perform X-Ray shielding calculations; provide health physics advice to faculty, staff and students.

Activities:

Consulting: (a) President, Calib-Ray, Ltd., a radiation instrumentation calibration service. (b) 50% owner of Radiological Dosimetry Service, Inc., a consulting health physics service for hospitals and industry. (c) Radiation Safety Officer, Durham VA Hospital. (d) Consultant to N.C. Department of Human Resources primarily for continuing review of State radiation protection regulations.

Member, Health Physics Society

Member, N.C. Chapter, Health Physics Society (past president)

Member, N.C. State Radiological Emergency Team

Faculty appointment (Associate) in Department of Radiology, Duke Medical Center

CURRICULUM VITAE

WILLIAM MOREAU THOMPSON, M.D.

525-96-7552

BIRTHDATE: October 20, 1943

BIRTHPLACE: Philadelphia, Pennsylvania

MARITAL STATUS: Married July 27, 1968.
Wife - Judy Anne
Children - Christopher Moreau Thompson, December 15, 1972
Thayer Haddon Thompson, September 11, 1974

DEGREES: B.A., Colgate University, 1965
M.D., University of Pennsylvania, 1969

INTERNSHIP: Case Western Reserve Medical Center, 1969-1970

RESIDENCY: Radiology, Duke University Medical Center, 1972-1974

BUSINESS ADDRESS: Department of Radiology
Duke University Medical Center
Box 3808
Durham, NC 27710
(919) 684-2711 ext. 262 or 286-0411 ext. 6540

HOME ADDRESS: 1502 Michaux
Chapel Hill, NC 27514

CERTIFICATION: American Board of Radiology
June 1975

APPOINTMENTS:

Professor of Radiology
Duke University Medical Center
Department of Radiology
Durham, NC
August 1, 1982 - PRESENT

Chief, Department of Radiology
Veterans Administration Hospital
Durham, NC
1979 - PRESENT

Visiting Scholar
Advanced Imaging Laboratory
Stanford University Medical Center
Stanford, CA
January 1, 1984 - June 30, 1984

Associate Professor of Radiology
Duke University Medical Center
Durham, NC
1977 - 1982

Visiting Associate Professor in Radiology
Stanford University
Palo Alto, CA
June 1980

Consultant, Department of Radiology
Veterans Hospital
La Jolla, CA
1976 - 1977

Visiting Assistant Professor in Radiology
University of California Medical School
San Diego, CA
1976 - 1977

Assistant Professor in Radiology
Duke University Medical Center
Durham, NC
1975 - 1977

Chairman, Steering Committee
American Association of Academic Chief Residents in Radiology
1974 - 1975

Chief Resident & Associate in Radiology
Duke University Medical Center
Durham, NC
1974 - 1975

William M. Thompson, M.D.

APPOINTMENTS CONTINUED:

U.S. Public Health Service
Alaska Native Medical Center
Senior Assistant Surgeon
1970 - 1972

PUBLICATIONS:

111 refereed and non-refereed papers, 25 scientific exhibits, 11 book chapters and 31 published abstracts

1. Survey meters (available on demand from Radiation Safety Officer):

a. Manufacturer's name: Ludlum

Manufacturer's model number: Model 19, Micro-R

Number of instruments available: 1

Minimum range: 0 mR/hr to 0.025 mR/hr.

Maximum range: 0 mr/hr to 5 mR/hr.

b. Manufacturer's name: Ludlum

Manufacturer's model number: Model 3, (G-M)

Number of instruments available: 2

Minimum range: 0 mR/hr to 0.2 mR/hr.

Maximum range: 0 mr/hr to 200 mR/hr.

c. Manufacturer's name: Ludlum

Manufacturer's model number: 17 (ion chamber)

Number of instruments available: 1

Minimum range: 0 mR/hr to 50 mR/hr.

Maximum range: 0 mr/hr to 50,000 mR/hr.

d. Manufacturer's name: Victoreen

Manufacturer's model number: 440

Number of instruments available: 3

Minimum range: 0 mR/hr to 3 mR/hr.

Maximum range: 0 mr/hr to 300 mR/hr.

e. Manufacturer's name: Eberline

Manufacturer's model number: PAC-4G-3 (proportional counter)

Number of instruments available: 1

Minimum range: 0 cpm to 5K cpm (alpha and beta)

Maximum range: 0 cpm to 500K cpm.

2. Dose calibrator

Manufacturer's name: Capintec

Manufacturer's model number: CRC-5(R)

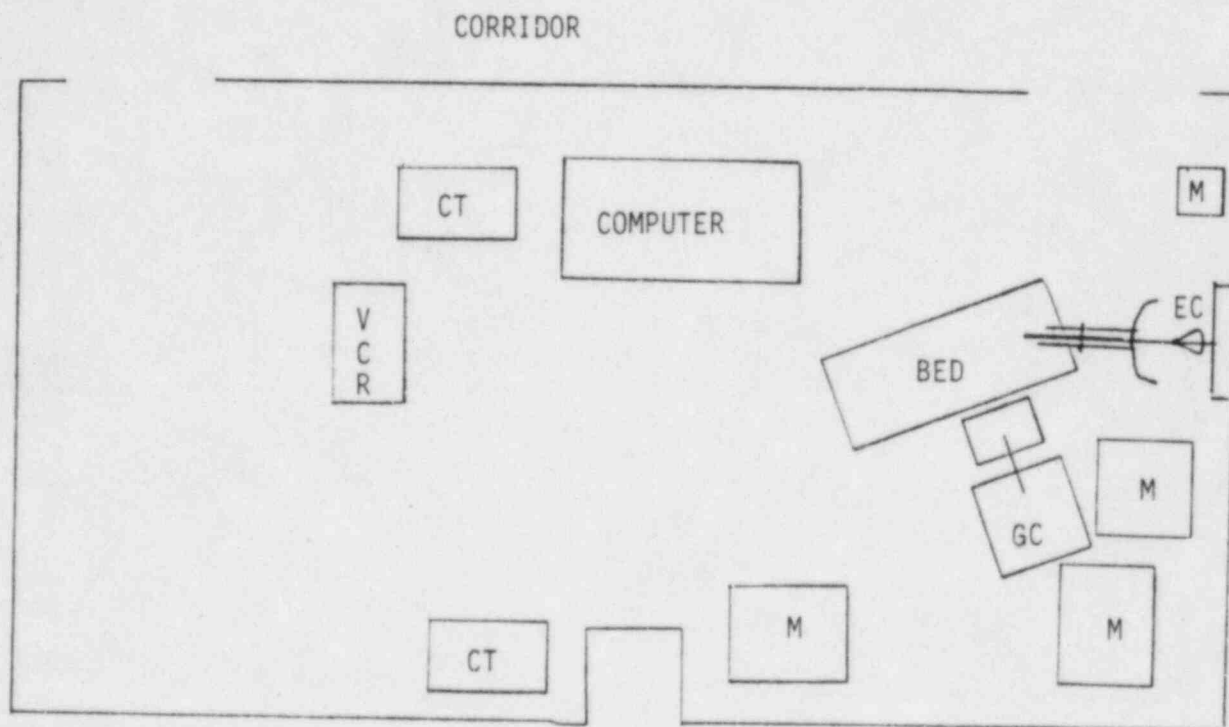
Number of instruments available: 1

3. Instruments used for diagnostic procedures

	Type of Instrument	Mfr's. name	Model No.
a.	gamma camera	General Electric	Maxicamera II
b.	gamma camera	Siemens	ZLC 75
c.	gamma camera	Siemens	LEM (mobile)
d.	multiplane scanner	Siemens	Pho/Con
e.	thyroid probe	Nuclear-Chicago	8725 Thyrad
f.	gamma well counter	Packard	MultiPrias II
g.	gamma well counter	Nuclear-Chicago	6860 Mk I

4. Other

	Type of instrument	Mfr's. Name	Model No.	No. Avail.
a.	liquid scint.	Intertechnique	SL4000	3
b.	liquid scint.	Intertechnique	SL30	1
c.	liquid scint.	Nuclear-Chicago	IsoCap 300	1
d.	liquid scint.	Packard	TriCarb 3375	2
e.	liquid scint.	Lionel Electr.	CDV-7000-6b	1
f.	liquid scint.	Biotech	460	1
g.	liquid scint.	Beckman	LS1000	1
h.	liquid scint.	Beckman	LS8100	1
i.	NaI well counter	Packard	5910	1
j.	NaI well counter	Packard	5210	1
k.	NaI well counter	Nuclear-Chicago	---	1
l.	NaI well counter	LKB	1271	1
m.	NaI well counter	S/P	AW14120	1
n.	NaI well counter	Baird Atomic	530	1
o.	NaI well counter	Beckman	4000	2
p.	area monitor	Nuclear-Chicago	1619	1
q.	area mon./survey	Eberline	RM14	1
r.	survey	Eberline	E520	1



OUTLINE SKETCH, NUCLEAR CARDIOLOGY

CT = computer terminal
VCR = video cassette recorder
M = monitoring equipment
EC = exercise cycle
GC = mobile gamma camera (Siemens LEM)

Durham VAMC

Veterans
Administration

October 29, 1984

NOV 9 1984



- Ms. Helen Malaskiewicz(115A)
Nuclear Medicine Service
V.A. Central Office
Washington, D.C. 20420

SUBJ: NCR License Amendment

1. Please find enclosed the additional copies of our request of the U.S. Nuclear Regulatory Commission to amend our license number 32-01134-01 to allow for the incineration of animal carcasses containing radioactive material contaminated with Hydrogen 3 and Carbon 14.

2. If you have any questions, please feel free to contact T.C. Hannah, Jr. at 286-0411, extension 6154.

For and in the
absence of

B.F. Brown

B.F. BROWN
Medical Center Director

Enclosures

RECEIVED

NOV 8 8-NOV 84

NOV 07 1984

In Reply Refer To:

558/138

James J. Smith
JAMES J. SMITH, M. D. (115)
Director, Nuclear Medicine Service
VA Central Office
Washington, D.C. 20420

18297



Veterans
Administration

Date: July 30, 1984

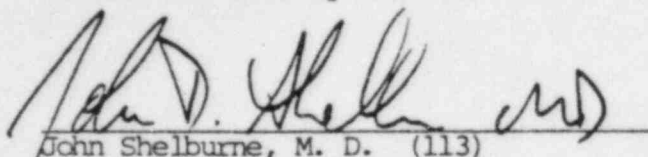
To: Medical Center Director (00)

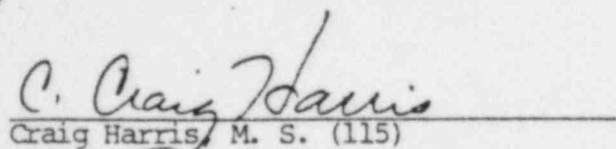
Memorandum

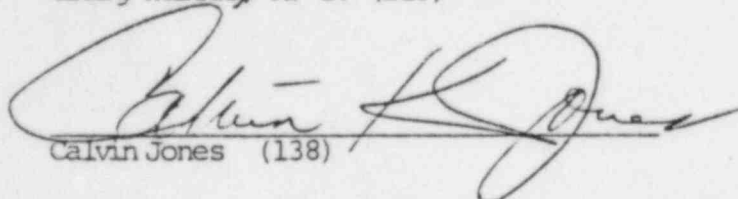
From: HSS Trainee (11D)

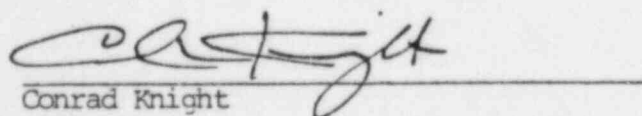
Subj: NRC License Amendment

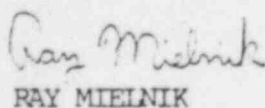
I have reviewed the Durham VA Medical Center's NRC License Amendment request. The information being submitted to the NRC and the State of North Carolina is correct and accurate, and I concur with this effort to obtain permission to incinerate that portion of our radioactive waste which is within the legal limits set forth by the NRC.


John Shelburne, M. D. (113)


Craig Harris, M. S. (115)


Calvin Jones (138)


Conrad Knight


RAY MIELNIK