



DEPARTMENT OF THE ARMY
WILLIAM BEAUMONT ARMY MEDICAL CENTER
EL PASO, TEXAS 79920

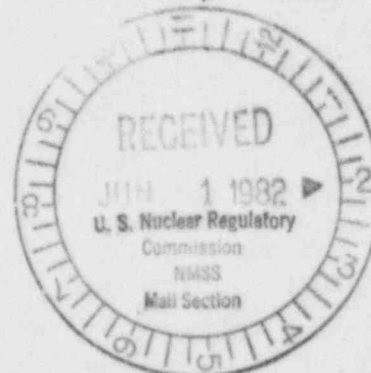
✓ S.C.
6576

HSHM-PMA-RP

26 April 1982

SUBJECT: Current CV's WBAMC Radiation Control Committee

THRU: Commander *4/3 MAY 82*
US Army Health Services Command
ATTN: HSPA-P
Fort Sam Houston, Texas 78234



Commander *24 MAY 82*
US Army Office of the Surgeon General
ATTN: DASG-PSP-E
Washington, D.C. 20310

Frank E. McDermott
FRANK E. McDERMOTT
Colonel, MSC
Radiological Hygiene Consultant

TO: Materials Branch
Nuclear Regulatory Commission
Mail Control No. 99504 (BML 42-05255-07)
ATTN: Rod Mason
Washington, D.C. 20555

1. Reference fonecon, 16 April 1982, SAB between Mr. Oakes this office and Mr. Rod Mason, NRC Licensing Branch, Silver Spring, MD 301-427-4657.
2. As promised in referenced telecon 16 April inclosed are the copies of the subject CV's with a list of the members and their duties (Incl 1-2).
3. The use of radioisotopes at WBAMC have not changed since the renewal application was submitted in April 1979, WBAMC has experienced normal growth in these services.
4. POC BML 42-05255-07 renewal is this office 1-915-568-4316/5789.

FOR THE COMMANDER:

- 2 Incl
1. Radiation Control (3 cys ea)
 2. Curriculum Vitae (5 cys ea)

James C. Wingate
JAMES C. WINGATE
Major, MSC
Adjutant General

8512050135 851016
REQ4 LIC30
42-05255-07 PDR

COPIES SENT TO OFF. OF
INSPECTION AND ENFORCEMENT

RADIATION CONTROL COMMITTEE, WBAMC

1. Responsibilities and duties of the William Beaumont Army Medical (WBAMC) Radiation Control Committee are as in Appendix B, USNRC Regulatory Guide 10.8, Revision 1, October 1980.

2. Name and position of current committee members are as listed:

- ✓ Warren N. Otterson, M.D., Col, MC - Chief, Professional Services (Chairman)
- ✓ Chester A. Hanson, Jr., M.D., Col, MC - Chief, Preventive Medicine Activity
- ✓ Larry L. Penny, M.D., Col, MC - Chief, Dept of Clinical Investigation
- ✓ Melvin J. Spicer, M.D., Col, MC - Chief, Dept of Medicine
- ✓ Robert M. Ball, M.D., LTC, MC - Chief, Dept of Radiology
- ✓ Tommy J. Brown, M.D., LTC, MC - Chief, Nuclear Medicine Service
- ✓ William B. York, Jr., M.D., LTC, MC - Chief, Dept of Pathology & Area Lab Svc
- Gary A. DeMars, MAJ, MSC - Logistic Division (Nonvoting member)
- ✓ Larry M. Case, CPT, MSC - Radiological Physicist, Radiation Therapy
- ✓ William J. Klenke, CPT, MSC - Radiological Physicist, Nuclear Medicine
- ✓ James F. McNab, Jr., M.D., CPT, MC - Chief, Radiation Therapy
- ✓ Robert S. Stewart, Jr., CPT, MSC - Dept of Pathology Representative
- Carl E. Bergsagel, CPT, MSC - Radiation Protection Officer (Recorder)
- James Amen, DAC - Safety Manager (Nonvoting member)

3. Curriculum vitae of voting members of the Radiation Control Committee are attached.

1 Encl

CURRICULUM VITAE

NAME

Warren N. Otterson, M.D.
Colonel, Medical Corps, United States Army

DATE OF BIRTH

6 November 1929

PLACE OF BIRTH

Hudson, Wisconsin

EDUCATION

UNDERGRADUATE

University of Wisconsin
Madison, Wisconsin
B.S., 1951

MEDICAL SCHOOL

University of Wisconsin
Madison, Wisconsin
M.D., 1954

POSTGRADUATE TRAINING

INTERNSHIP

University of Texas Medical School
Galveston, Texas
1954 - 1955

RESIDENCY

Obstetrics and Gynecology
Madigan General Hospital
Tacoma, Washington
1954 - 1957

PRACTICE

General practice
Westby, Wisconsin
1958 - 1964

HOSPITAL APPOINTMENTS

Chief
Department of Obstetrics and Gynecology
United States Army Medical Center
Ryuku Island
December 1967 - June 1970

CURRICULUM VITAE - Warren N. Otterson

POSTAL APPOINTMENTS
(Cont'd)

Assistant Chief
Department of Obstetrics and Gynecology
Brooke Army Medical Center
Fort Sam Houston, Texas
July 1970 - June 1974

Chief
Department of Obstetrics and Gynecology
Brooke Army Medical Center
Fort Sam Houston, Texas
July 1974 - July 1976

Chief
Department of Obstetrics and Gynecology
William Beaumont Army Medical Center
El Paso, Texas
July 1976 to present

APPOINTMENTS

Associate Preceptor
Department of Medicine
University of Wisconsin Medical School
Madison, Wisconsin
January 1958 - August 1964

Clinical Assistant Professor
Department of Obstetrics and Gynecology
University of Texas Medical School at San Antonio
September 1970 - September 1972

Clinical Associate Professor
Department of Obstetrics and Gynecology
University of Texas Medical School at San Antonio
September 1972 to July 1976

Clinical Professor
Department of Obstetrics and Gynecology
Texas Tech University School of Medicine
September 1976 to present

CURRICULUM VITAE - Warren N. Otterson, M. D.

APPOINTMENTS

Program Chairman

14th Armed Forces District Meeting, American
College of Obstetricians and Gynecologists and
The 24th Annual Meeting of the Seminar on
Obstetrics and Gynecology

5 - 10 October 1975

Member, Audiovisual Committee

American College of Obstetricians and Gynecologists
July 1974 to 1977

Member, Sub Committee for Establishing Cognate Values
for Audiovisual Aids

American College of Obstetricians and Gynecologists
1975

Alternate Member, Nominations Committee

American College of Obstetricians and Gynecologists
1975

Vice Chairman, Army Section

Armed Forces District, American College of Obstetricians
and Gynecologists

August 1974 to 1976

Chairman, Scientific Exhibits Committee

American College of Obstetricians and Gynecologists
1981 - 1983

ORGANIZATIONS

Vernon County Medical Society, State of Wisconsin
1958 (past president)

American Medical Association
1958

Vernon County Medical Society Representative to
State of Wisconsin Annual Medical Convention
1962

Diplomate, American Board of Obstetrics and Gynecology
1969

San Antonio OB-GYN Society
1971

CURRICULUM VITAE - Warren N. Otterson, M. D.

ORGANIZATIONS

Fellow, American College of Obstetricians and
Gynecologists
1971

Affiliate Member Royal Society of Medicine
1974

Fellow, American College of Surgeons
1975

Fellow, Texas Association of OB-GYN
1977

LICENSURE

Wisconsin #12134

Texas #E8094

CURRICULUM VITAE - Warren N. Otterson, M. D.

BIBLIOGRAPHY

1. Otterson, W.N., McGarahan, G., Freeman, M.V.R.: Successful pregnancy with McGovern aortic prosthesis and long-term heparin therapy, *Obstet Gynec*, 31:273, 1968
2. Otterson, W.N.: Diethylstilbestrol in management of papular dermatitis of pregnancy. Letter to the editor. *Amer J Obstet Gynec*, 113:570, 1972
3. Otterson, W.N., Wilson, S.D.: Spontaneous rupture of the uterus at twelve weeks gestation. *Wis Med J* 71:182, 1972
4. Stafford, Robert H., Farina, James, Otterson, W.N.: Osteogenesis Imperfecta diagnosed in utero in conjunction with Rh sensitization - Case Report. *So Med Jr*, Jan 1974
5. Ewing, Douglass E., Farina, James R., Otterson, W.N.: Clinical application of the Oxytocin Challenge Test, *Obstet Gynecol*, Vol 43, #1, 563, April 1974
6. Stafford, Robert H., Ansbacher, Rudi, Otterson, W.N., Plunkett, Guy D.: Gonorrhea among females in a military population. *Obstet Gynecol*, 42, #1, Jul 1973
7. Stafford, Robert H., Farina, James, Otterson, W.N.: Osteogenesis Imperfecta diagnosed in utero in conjunction with Rh sensitization. *Obstetrical and Gynecological Survey*, Vol 29, #8, August 1974
8. Ewing, D.E., Farina, J.R., Otterson, W.N.: Clinical application of the Oxytocin Challenge Test. *Obstetrical and Gynecological Survey*, Vol 29, #11, November 1974
9. George, J.W., Ansbacher, R., Otterson, W.N., Pater, F., Prospective bacteriologic study of women undergoing hysterectomy. *Obstet Gynecol* 45:60-63, January 1975
10. Hayden, B.L., Simpson, J.L., Ewing, D.E., Otterson, W.N., Can the Oxytocin Challenge Test serve as the primary method for managing high-risk pregnancy. *Obstet Gynecol*, 46:251-255, 1975

CURRICULUM VITAE - Warren N. Otterson, M. D.

BIBLIOGRAPHY (cont'd)

11. Otterson, W.N.: The Oxytocin Challenge Test, Jr Int Collect Letters OB-GYN, Series XVII, page 11, January 15, 1976
12. Otterson, W.N. and Ansbacher, R.: Pre and postoperative care in elective gynecologic surgery. Conn's Current Therapy, 1977
13. Lett, W.J., Ansbacher, R., Davison, B.L., and Otterson, W.N.: Prophylactic antibiotics for women undergoing vaginal hysterectomy. J Repro Med, Vol 19, No. 2, August 1977
14. Wallace, R.L., Caldwell, D.L., Ansbacher, R. and Otterson, W.N.: Inhibition of premature labor by Terbutaline. Obstet Gynec 51:387, 1978
15. Livaudais, W., Hartong, J., and Otterson, W.: Small bowel herniation through a defect in the broad ligament. Am J Obstet Gynec, Vol 133, No. 8, April 1979
16. Strauss, J.H., Wilson, M., Caldwell, D., Otterson, W., and Martin, A.O.: Laminaria use in midtrimester abortions induced by intra-amniotic prostaglandin F₂ with urea and intravenous oxytocin, Am J Obstet Gynec 134:260, 1979
17. Sahydlower, M. and Otterson, W.: Risks of contraception with the IUD in an adolescent population. Letter to the Editor, J Ped 97:698, October 1980
18. Boyce, D. and Otterson, W.: 15(S) Methyl F₂ in failed second trimester abortion. In preparation.
19. Greenberg, H. and Otterson, W.N.: Abdominal - vaginal pack; obstetric hemorrhage revisited, In preparation.
20. Stafford, J., Greenberg, H. Otterson, W.N.: Vesico-vaginal fistula: A unique method of urine drainage, In preparation.

CURRICULUM VITAE - Warren N. Otterson (cont'd)

ABSTRACTS

1. Ewing, D.E., Farina, J.R., Otterson, W.N.: Clinical application of the Oxytocin Challenge Test, OB-GYN Digest, October 1974
2. Otterson, W.N.: Prosthetic heart valves and pregnancy, OB-GYN News, Vol 10, No. 4, February 1976
3. Otterson, W.N.: Prosthetic heart valves and pregnancy, OB-GYN News, Vol 15, No. 2, Jan 80

SCIENTIFIC EXHIBITS

1. The role of the obstetrician to the fetus. Annual Clinical Meeting, American College of Obstetricians and Gynecologists, 5 - 10 May 1975, Boston, Massachusetts
2. The role of the obstetrician to the fetus. 14th Annual Armed Forces District meeting, American College of Obstetricians and Gynecologists, 5 - 10 October 1975, San Antonio, Texas

TV PRODUCTIONS, ACADEMY OF HEALTH SCIENCE, TV DIVISION, FT. SAM HOUSTON, TX 78234

1. VT 634 Labor and Delivery
2. VT 553 Nutrition in Prenatal Care
3. VT 633 PPH of Childbirth
4. CME Heart Valves and Pregnancy
5. CME 153 C/S Hysterectomy

RECENT NATIONAL PRESENTATIONS

1. Participant in Postgraduate course #6, Hemorrhage in OB-GYN, American College of Surgeons, October 1977, specific responsibility - third trimester bleeding management
2. Film Discussant, American College of Surgeons, October, 1977, Surgical management of endometriosis
3. Presentation and discussion of videotape, Cesarean Hysterectomy, Annual Clinical Meeting, American College of Obstetricians and Gynecologists, May 1980

CURRICULUM VITAE - Warren N. Otterson (cont'd)

ACADEMIC AWARDS

Awarded A prefix for special competence in obstetrics and gynecology by the Surgeon General of the Army, 1 May 1978

Subspecialty Boards

Passed written examination in Maternal-Fetal Medicine on 26 June 1978

CURRICULUM VITAE

NAME: CHESTER ABRAHAM, HANSON, JR. GRADE: COL SSN: 301-16-7251

PRESENT ADDRESS: 410 Sheridan, Ft Bliss, TX 79906

DATE OF BIRTH: 26 March 1924

CITIZENSHIP: United States MARITAL STATUS: Married

MILITARY HISTORY: Active Duty USNR, LtJg, MC, Jul 49 - Apr 51
Active Duty USAFR, CPT, MC, Apr 51 - Feb 53
Active Duty USAR 8 Jan 67 (LTC)
Promotion to COL, AUS, Jul 68
RA Appointment, LTC, May 70.
RA Appointment, COL, Apr 72 (DOR: 28 Dec 71)

EDUCATION:

College: Ohio State University, Mar 48, M.D.

Tulane University, Jun 70, M.P.H.

Internship: Rotating, Indianapolis General Hospital, IN, Jul 48 - Jul 49

Residency: Silas B. Hayes, Ft Ord, CA, Public Health, Jul 70 - June 72

PROFESSIONAL POSITION:

Chief, Preventive Medicine Activity/Deputy Director of Health Services, William Beaumont Army Medical Center, El Paso, TX 29 May 81 to Present.

PROFESSIONAL ORGANIZATIONS:

American Medical Association
American Academy of Family Physicians
Uniformed Services Chapter of Family Physicians
American Board of Preventive Medicine, Certified in Public Health, 1973
Diplomate American Board of Family Practice 1973
Fellow American College of Preventive Medicine 1973
Charter Fellow American Academy of Family Physicians 1974

LICENSURE:

Ohio State Medical Board, Aug 48, License # 15801 (current)

PRIVATE PRACTICE BACKGROUND:

Private Practice of Medicine, Columbus, Ohio, 1953 - 1967

CURRICULUM VITAE

C876

NAME

Larry L. Penney, M. D.
Lt. Colonel, Medical Corps
United States Army

DATE OF BIRTH:

1 September 1939

PLACE OF BIRTH:

Holdrege, Nebraska

FAMILY STATUS:

Wife - Jane
Sons - Brett and Eric
Daughters - Kimberly and Fatima

EDUCATION:

UNDERGRADUATE

Primary and Secondary Schooling - Completed
at York, Nebraska - 1957

Hastings College
Hastings, Nebraska
1957 - 1961

MEDICAL SCHOOL

University of Nebraska
Omaha, Nebraska
1963 - 1967, M. D.

POSTGRADUATE TRAINING

INTERNSHIP

Rotating, Fitzsimons General Hospital
Denver, Colorado
1967 - 1968

RESIDENCIES
AND FELLOWSHIPS

Prespeciality General Surgery Residency
Martin Army Hospital
Fort Benning, Georgia
1968 - 1969

Residency, Obstetrics and Gynecology
William Beaumont Army Medical Center
El Paso, Texas
1969 - 1972

Fellowship, Reproductive Endocrinology
University of Colorado Medical Center
Denver, Colorado
August 1973 - December 1975

CURRICULUM VITAE - Larry L. Penney, M.D.

HOSPITAL APPOINTMENTS: Staff, Department of Obstetrics and Gynecology
William Beaumont Army Medical Center
El Paso, Texas
September 1972 - August 1973
January 1976 - present

Staff, Department of Obstetrics & Gynecology
R.E. Thomason General Hospital
El Paso, Texas
September 1972 - August 1973

MILITARY:

Enlisted 1962 - 6 months active duty
Commissioned 1966
Career Medical Officer - U.S. Army
1966 - Present

SOCIETIES:

Fellow, American College of Obstetricians
and Gynecologists

Board Certification November 1974, American Board
of Obstetrics & Gynecology

SPECIAL INTERESTS:

Reproductive Biology, Biochemistry & Endocrinology

Infertility

Endocrinology of pregnancy

HONORS AND AWARDS:

Alpha Chi, 1960

Bachelor of Arts Cum Laude, 1961

American Defense Medal, 1967

Army Commendation Medal, 1973

PUBLICATIONS

1. Taylor, E.S., Hagerman, D.D., Albrecht, B.H. and Penney, L.L.:
Estrinol production rate measurement studies in pregnant women. Am.
J. Obstet Gynec 120:752-758, 1974.
2. Penney, L.L., Hagerman, D.D., and Sei, C.A.: Specificity and
reproducibility of acetone precipitation in identification of surface -
active phosphatidylcholine in amniotic fluid. Clin Chem 22:681-682, 1976.

CURRICULUM VITAE - Larry L. Penney, M.D.

BIBLIOGRAPHY (cont'd)

3. Penney, L.L. and Betz, G.: Agonadism - Case report and review.
Amer J Obstet Gynec 127:299-301, 1977
4. Penney, L.L. and Betz, G.: Intraperitoneal Low Molecular Dextran
in Tubal Restorative Operations. Submitted for publication.

CURRICULUM VITAE

NAME: Melvin Joseph Spicer SSAN: 118-30-7577 MARITAL STATUS: Married

PRESENT ADDRESS: 2741 Gunnison CHILDREN: Three
El Paso, Texas 79904

PERMANENT ADDRESS: As above DATE OF BIRTH: 23 July 1937

PLACE OF BIRTH: Peekskill, New York CITIZENSHIP: United States

MILITARY HISTORY: EAD: September 1962 RANK: Colonel

EDUCATION:

High School:	Archbishop Stepinac High School White Plains, New York	
College:	Canisius College Buffalo, New York	B.S. Degree 1959
Medical School:	Howard University School of Medicine Washington, D. C.	M.D. Degree 1963
Internship:	Walter Reed General Hospital Washington, D. C.	Jul 62-Jun 64
Residency: (Internal Medicine)	Walter Reed General Hospital Washington, D.C.	Sep 64-Aug 67
Fellowship: (Cardiology)	Fitzsimons Army Medical Center Denver, Colorado	Sep 67-Aug 69

PROFESSIONAL POSITIONS

Chief, Medicine Service 95th Evacuation Hospital DaNang, Republic of Viet Nam	September 1969-June 1970
Assistant Chief, Cardiology Service Fitzsimons Army Medical Center Denver, Colorado	July 1970-July 1974
Intern Advisor Fitzsimons Army Medical Center Denver, Colorado	1972-1974

CURRICULUM VITAE

MELVIN JOSEPH SPICER, M.D.

PROFESSIONAL POSITIONS: (continuation)

Chief, Cardiology Service
William Beaumont Army Medical Center
El Paso, Texas 79920

July 1974-June 1979

Chief, Department of Medicine
William Beaumont Army Medical Center
El Paso, Texas 79920

July 1979-Present

ACADEMIC TEACHING POSITIONS:

Clinical Instructor in Medicine
University of Colorado School of Medicine
Denver, Colorado

1971-1974

Assistant Clinical Professor in Cardiology
University of Colorado School of Medicine
Denver, Colorado

1974-1975

Clinical Associate in Medicine
University of New Mexico School of Medicine
Albuquerque, New Mexico

1974-Present

Associate Clinical Professor of Medicine
Texas Tech University School of Medicine
Lubbock, Texas

1975-1978

Clinical Professor of Medicine
Texas Tech University School of Medicine
Lubbock, Texas

1978-Present

BOARD CERTIFICATION:

American Board of Internal Medicine
Subspecialty Board in Cardiovascular Disease

1967

1971

LICENSURE:

Washington, D.C.

1963

CURRICULUM VITAE

MELVIN JOSEPH SPICER, M.D.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American College of Physicians, Associate	1969
Association of Army Cardiology	1971
Fellow, American College of Cardiology	1975
American Heart Association	1975
Fellow, Clinical Council on Cardiology	1975
Texas Heart Association	1975
Fellow, American College of Chest Physicians	1976
Fellow, American College of Physicians	1978
Association of Program Directors in Internal Medicine	1978
The American Academy of Medical Directors	1981

AWARDS, HONOR SOCIETIES:

Alpha Omega Alpha	1962
Special Award - Intern Advisor, Fitzsimons Army Medical Center	1973
Intern's Award, Fitzsimons Army Medical Center	1973
Clinical Professor of the Year, Texas Tech University School of Medicine	1975
Teaching Staff Award, William Beaumont Army Medical Center	1976-1977
Regional Academic Award, Texas Tech University School of Medicine	1976
Teaching Staff Award, William Beaumont Army Medical Center	1977-1978
El Paso Regional Academic Award, Texas Tech University School of Medicine	1977
Clinical Science Award - Internal Medicine, Texas Tech University School of Medicine	1979
Clinical Faculty Award, Texas Tech University School of Medicine	1980
United States Army A (Professional) Prefix, Cardiology	1978

PUBLICATIONS:

1. Congenital Absence of the Right Pericardium Associated with Herniation of the Right Atrium. Military Medicine 135:557, July 1970.
2. Evaluation of P Wave Axis in Distinguishing Anatomical Site of Atrial Septal Defect. British Heart Journal 35:738, July 1973.
3. Wenckebach Phenomenon in Thyrotoxicosis with Hypercalcemia. Rocky Mountain Medical Journal 70:46, October 1973.
4. Failure of a Starr Edwards Mitral Prosthesis Ten Years After Replacement Surgery. Circulation 50:372, August 1974.

CURRICULUM VITAE

MELVIN JOSEPH SPICER, M.D.

PUBLICATIONS: (continuation)

5. Echocardiographic Demonstration of Bilateral Atrial Myxomas. Chest 70:282, August 1976.
6. Cardiac Complications of Protein-Sparing Modified Fasting. JAMA 240:120, July 1978.
7. Single Injection Thallium-201 Stress and Redistribution Myocardial Perfusion Imaging: Comparison with Stress Electrocardiography and Coronary Arteriography. Radiology 131:199, April 1979.
8. Total Anomalous Systemic Venous Return. Southern Medical Journal 73:259, February 1980.
9. Brief Report Cardiac Tamponade. Southern Medical Journal 73, #8, 1091-1092, August 1980.
10. Ehler's Danlos Syndrome. Southern Medical Journal 74:80, January 1981
11. Adult Respiratory Distress Syndrome in the Course of Acquired Toxoplasmosis (In Preparation).

PAPERS PRESENTED:

1. ECG Monitoring During Endoscopy, American College of Physicians Regional Meeting, Denver, Colorado, 1971.
2. Army Association of Cardiology, William Beaumont Army Medical Center, El Paso, Texas, 1971.
3. Army Association of Cardiology, Madigan Army Medical Center, Tacoma, Washington, 1972.
4. Current Management of Myocardial Infarction, American Society of Family Practice, Denver, Colorado, 1973.
5. Army Association of Cardiology, Letterman Army Medical Center, San Francisco, California, 1974.
6. Use of the Echo in Aortic Root Disease, American College of Cardiology Meeting, New Orleans, Louisiana, 1976.
7. Television presentation, "Hypertension", Denver, Colorado, 1974.

CURRICULUM VITAE

MELVIN JOSEPH SPICER, M.D.

PAPERS PRESENTED: (continuation)

8. Television presentation, "Coronary Artery Disease", El Paso, Texas, 1974.
9. Alcoholic Cardiomyopathy, Texas Tech University School of Medicine Symposium on Alcoholism, El Paso, Texas, February 1978.

VITAL STATISTICS:

Born: 18 June 1942, McGill, Nevada
 Wife: Marian Linford Wall
 Children: Lisa Lynn
 Scott
 Christine
 Deborah

EDUCATION:

1960 - 65	Cornell University - Bachelor of Engineering Physics Degree
1965 - 67	Completed 76 hrs. work towards Ph.D. in Industrial Engineering (Operations Research) at The Ohio State University
1969 - 73	Doctor of Medicine Degree, The Ohio State University College of Medicine
1973 - 74	Internship - Straight Surgery - Walter Reed Army Medical Center
1974 - 77	Residency - Diagnostic Radiology - Walter Reed Army Medical Center

PROFESSIONAL EXPERIENCE:

1968	Basic Officer's Course - Ft. Sam Houston, Texas
1968 - 69	Operations Research Specialist (MOG H100) for the Doctrine and Systems Office, Office of the Air Force General
1969 - 73	Attended The Ohio State University College of Medicine under AR 601-112
1973 - 77	Internship and Residency, Walter Reed Army Medical Center
1977 - 78	Staff Radiologist, 2nd General Hospital, Landstuhl, Germany
1978 - 80	Chief, Department of Radiology, 2nd General Hospital, Landstuhl, Germany
1978 - 80	Consultant in Radiology to USAREUR, Medical Command
1978 - 80	Chief, Nuclear Medicine Service, 2nd General Hospital, Landstuhl, Germany
1980 - Present	Chief, Department of Radiology, William Beaumont Army Medical Center, El Paso, Texas

1. American College of Radiology
2. Radiological Society of North America
3. Rivanian American Radiology Society - President, 1980
4. American Medical Association
5. Texas Radiological Society

LICENSING AND BOARD CERTIFICATION:

1977	License, District of Columbia
1980	License pending, Texas
1980	License pending, New Mexico
1977	Diplomat of the American Board of Radiology

PUBLICATIONS:

1. "Some New Geometries for Which Laplace's Equation in Three Dimensions is Soluble: R. Ball, D. Bartlett, R. Mayer, and F. Partovi, Journal of Mathematics and Physics, Vol. XLIII, No. 2, June 1964, pp. 144-157.
2. "Use of a Refrigerator with the Field Ion Microscope", W.T. Pimbley and R.M. Ball, The Review of Scientific Instruments, Vol. 36, No. 2, Feb. 1965, pp. 225-226.
3. "Student Feels Lure of General Practice through Preceptorship Experiences", Robert M. Ball, The Ohio State Medical Journal, Vol. 67, No. 1, Jan. 1971, pp. 30-31.

CURRICULUM VITAE

NAME: TOMMY J. BROWN

SSN: 436-44-0141

PRESENT ADDRESS: 520 Pendale, El Paso, TX 79907

PERMANENT ADDRESS: Same as above

DATE & PLACE OF BIRTH: 6 Septer 1934, Jonesboro, LA.

CITIZENSHIP: United States L STATUS: Married NO. CHILDREN: 2

MILITARY HISTORY: U.S. Air Force (Enlisted) - 1954-1958
U.S. Army - 1971 to present RANK: LTC

EDUCATION:

High School: Jonesboro-Hodges High School, Jonesboro, LA, 1947-1951

College: Northeast Louisiana State College, Monroe, LA, 1958-1961,
R.S. Pharmacy

Medical School: Kansas City College of Osteopathic Medicine, Kansas
City, MO, 1967-1971, D.O. Degree

Internship: Rotating, William Beaumont Army Medical Center, El Paso,
TX, 1971-1972

Residency: Pathology, William Beaumont Army Medical Center, El Paso,
TX, 1972-1976

Fellowship: Nuclear Medicine, William Beaumont Army Medical Center,
El Paso, TX, July 1977 to July 1979

PROFESSIONAL POSITION:

Staff Pathologist, 121st Evacuation Hospital, Seoul, Korea, 1976-1977.

Asst. Chief, Nuclear Medicine Service, William Beaumont Army Medical
Center, El Paso, TX, July 1979 to present.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American Society of Clinical Pathologists
Society of Nuclear Medicine
American Osteopathic Association

BOARD CERTIFICATION & LICENSURE:

American Board of Nuclear Medicine, 1979
American Board of Pathology (Anatomic & Clinical), 1976
Texas License - 1971

Name: William B. York Jr., MD, LTC

Home Address: 7908 Big Bend, El Paso, Texas 79904

Home Telephone: 915-751-2537

Business Address: William Beaumont Army Medical Center
ATTN: Chief, Department of Pathology
El Paso, TX, 79920

Business Phone: 915-569-2505

Date of Birth: 12 August 1943

Place of Birth: Fort Dix, New Jersey, USA

Dependents: Wife, Suella M., 38
Daughter, Meredith Elaine, 11
Daughter, Tamara Ann, 8
Daughter, Kimberly Annette, 7 months

Military Service: US Army Medical Corps, Rank LTC
Active Duty, 6.5 Years

Education: Undergraduate, University of Utah
(1961-1964), Chemistry
Medical School, University of Utah
(1964-1968), MD
Internship, Holy Cross Hospital, SLC, Utah
(1968-1969), Mixed Medicine-Pathology
Residency, Holy Cross Hospital, SLC, Utah
(1969-1972), Combined with Univ. of Utah
Locum Tenens, LDS Idaho Falls Hosp., Idaho
(1971, 1972), Summers
Graduate, University of Utah
(1972-1974), Biophysics and Bioengineering

Licensure: Utah, 1970 to Present

Boards: Anatomic and Clinical Pathology, 1980

Employment: Holy Cross Hospital (1961-1967), Lab Tech
SLC Veterans Admn. Hospital (1966),
Laboratory Night Supervisor
Holy Cross Hospital, Emergency Room Physician
(1970-1971)
Holy Cross Hospital Pathology Group
Part-Time Pathologist (1972, 6 Months)
Holy Cross Hospital, Data Processing
Coordinator for Medical Applications
(1972-1974)
US Army Hospital Neurenberg, FRG
Chief of Pathology (1975-1977)

Tri-Service Medical Information Systems
(1978-1979)

Walter Reed Army Medical Center
Assistant Chief Dept. Path. Area Lab Svc.
(1980-1981)
Chief Clinical Pathology Svc.
(1979-1981)

Professional Affiliations:

Junior Member, American Society of Clinical
Pathologists

AAMI

Ad Hoc member of the Federal Health Resource
Sharing Subcommittee on Health Care Information
Systems (1979-1981)

Military Awards: Meritorious Service Medal, 1978
Army Commendation Medal, 1979

CURRICULUM VITAL

NAME:

LARRY M. CASE, CPT, MSC

PERSONAL STATISTICS:

Date of Birth: October 27, 1943
Height: 6 feet
Weight: 185 lbs
Health: Excellent
Status: Married

CURRENT ADDRESS:

5337 Plainview
El Paso TX 79924

EDUCATION:

University of Colorado Medical Center, Denver, CO
MS in Physics (Medical Physics) 1978

Park College, Parkville, MO
BA in Physics (Magna Cum Laude) (National Physics Honor Society-Sigma Pi Sigma) 1973

PROFESSIONAL/MILITARY EXPERIENCE:

July 1981-present

Assigned to the Department of Radiology Radiation Therapy Service, William Beaumont Army Medical Center as the Radiological Physicist. Job responsibilities include the calibration of radiotherapy generators and measurement of pertinent machine parameters; performance of individual dosimetric measurements or calculations for specific radiotherapy patients; conducting computerized treatment planning calculations; supervising radiotherapy technologists; monitoring dosimetric calculation procedures used in the clinic; and attending to administrative matters.

CURRICULUM VITAE, Continued

September 1978-July 1981

Assigned to the 10th US Army Medical Laboratory, Landstuhl, Germany. Job responsibilities included being the Chief, Department of Radiological Hygiene; Consultant in Radiological Hygiene to the USAREUR Surgeon General; the performance of diagnostic and industrial/nonmedical x-ray and isotope radiation protection surveys and compliance tests to include nuclear medicine clinics; conducting limited microwave and laser radiation protection surveys; and formalized radiation protection class presentations.

July 1976-August 1978

Assigned to the Officer Student Detachment, AHS, Fort Sam Houston with duty at the University of Colorado Medical Center, Denver, CO. Completed graduate studies in Medical Physics MS awarded. Studies included clinical rotation in Nuclear Medicine, Radiology, Radiation Oncology, Ultrasound and Radiation Safety.

October 1975-July 1976

Assigned to the US Army Environmental Hygiene Agency, Regional Division West, Fitzsimmons Army Medical Center, Denver, CO. Job responsibilities as Nuclear Medical Science Officer included the performance of diagnostic and industrial x-ray and isotope radiation protection surveys and compliance tests at Army installations located in the Western part of the United States.

October 1973-October 1975

Assigned to the US Army Environmental Hygiene Agency, Health Physics Division, Aberdeen Proving Ground, MD. Job responsibilities included the conduct of diagnostic and industrial x-ray and isotope radiation protection surveys at numerous Army installations throughout the Continental US; compliance review of Nuclear Regulatory Commission license applications from Army Activities; and supervision of electronic technicians as the Division's Calibration Officer in nuclear instruments.

CURRICULUM VITAE, Continued

August 1973-October 1973

USAMEDD Officer Basic Course, AHS,
Fort Sam Houston, TX. Direct Commi-
ssion.

April 1962-July 1971

Various assignments as an enlisted
Air Force member. Jobs included
Precision Measurement Equipment
Technician and Bomb Navigation Sys-
tem Technician. Honorable discharge.

RADIATION PROTECTION TRAINING

Current Trends in Radiation Protection Workshop (US Army Environ-
mental Hygiene Agency-October 1981, 1979, and 1975).
The Medical Effects of Nuclear Weapons (AFRR1-October 1980).
External Beam, Interstitial and Intracavitary Dosimetry-Principles
(M.D. Anderson Hospital and Tumor Institute-July 1976).
US Army Microwave/Laser Radiation Protection Course (US Army Envi-
ronmental Hygiene Agency - March 1975).
US Army Medical X-Ray Survey Techniques Course (AHS-November 1974).
Nuclear Hazards Training Course (Kirtland AFB-May 1974).
American Board of Health Physics Certification Exam Preparation
Course (BRH-April 1974).

PROFESSIONAL AFFILIATIONS

Health Physics Society-Rocky Mountain Chapter, American Association
of Physicists in Medicine-Denver Chapter.
Society of Physics students.

CURRICULUM VITAE

NAME: William Joseph Klenke

SSN: 398-52-2288

ADDRESS: 6521 Brownlee Circle, El Paso, TX 79906

TELE NO: (915) 772-8947

DATE & PLACE OF BIRTH: 01 Jan 51, Sturgeon Bay, WI

CITIZENSHIP: U.S.

MARITAL STATUS: Married

NO. OF CHILDREN: 3

EDUCATION:

Master of Arts, Webster College, St. Louis, MO, 1979; Management and Health Facilities Management

Bachelor of Science in Nuclear Medicine, Incarnate Word College, San Antonio, TX, 1977

Associate in Science, George Washington University, Washington, DC, 1975; Nuclear Medicine Technology

Clinical Nuclear Medicine Techniques, Bethesda Naval Hospital, Bethesda, MD, 1974

Clinical Laboratory Specialist, School of Health Care Sciences, USAF, Sheppard Air Force Base, TX 1972

MILITARY ASSIGNMENTS:

William Beaumont Army Medical Center, El Paso, TX; July 1978 - present

Ft. Sam Houston, VHBH Off Basic Med Nurse; Apr 78 - Jun 78

Brooks AFB, School of Aerospace Medicine; Mar 76 - Apr 78

Lackland AFB, Wilford Hall Medical Center; Sep 74 - Feb 76

Bethesda National Naval Medical Center; May 74 - Aug 74

Wright Patterson AFB, USAM Medical Center; May 72 - May 74

Sheppard AFB, Sheppard Regional Hospital; Aug 71 - Apr 72

Sheppard AFB, School of Health Care Sciences; Mar 71 - Aug 71

Lackland AFB, Basic Training; Jan 71 - Mar 71

QUALIFICATIONS AND CERTIFICATIONS:

Work Experience

Physicist, Nuclear Medicine Service, William Beaumont Army Medical Center; 1981 - present

Primary Instructor for "Nuclear Medicine Basic Sciences Course" (Post Graduate course for nuclear medicine physicians), William Beaumont Army Medical Center, 1981 - present

Nuclear-Biological-Chemical Officer, William Beaumont Army Medical Center, 1980

Alternate Radiation Protection Officer, William Beaumont Army Medical Center, 1978 - present

Alternate Radiation Protection Officer, Fort Bliss, TX; 1978 - present

Administrative Officer, Department of Clinical Investigations, William Beaumont Army Medical Center; 1978 - 1981

Consultant to Nuclear Medicine Service, William Beaumont Army Medical Center; 1978 - 1981

Provided theoretical and direct support for the nuclear requirements of researchers at USAF School of Aerospace Medicine; 1977

Chief Technologist, Nuclear Medicine Functions, School of Aerospace Medicine; 1976

Registered Technologist Nuclear Medicine (Certification); 1976

Medical Laboratory Technologist, Wright-Patterson AFB; 1974

Additional Education

US Army NBCO/NBCNO NBC Defense Course, Fort Bliss Nuclear, Biological and Chemical Defense School; Sep 1980 (80 hrs)

US Army Medical X-Ray Survey Techniques Course, Academy of Health Sciences; May 1980

US Army Microwave Oven Survey Techniques Workshop, US Army Environmental Hygiene Agency; Feb 1980 (2 days) - WBAMC

US Army Nuclear Medicine Science Officers Workshop, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD; Oct 1979 (5 days); Oct 1981 (5 days)

US Army Laser-Microwave Hazards Workshop, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD; Mar 1979 (5 days)

PROFESSIONAL SOCIETIES:

Health Physics Society

Society of Nuclear Medicine

Society of Nuclear Medicine Technologists

American Registry of Radiologic Technologists

PUBLICATIONS:

1. Routine Liver Flow Studies (Abstract). WJ Klenke and HJ Giga, Journal of Nuclear Medicine.

2. Variability in Unconjugated and Total Estriol in Serum during Normal Third Trimester Pregnancy. LL Penney and WJ Klenke, Clinical Chemistry, 26, 1980.

PRESENTATIONS:

1. Routine Liver Flow Studies; A Reappraisal. WJ Klenke and HJ Giga, presented at the 23d National Meeting, Society of Nuclear Medicine, June 1976, Dallas, TX.
2. Thyroid Sizing Using the Gamma Camera. WJ Klenke and TD Kay, presented at the 22d Southwest Chapter Meeting, Society of Nuclear Medicine, March 1977, El Paso, TX.
3. Total Body Water and Body Composition Determinations by the Tritium Method. TD Kay and WJ Klenke, presented at the 22d Southwest Chapter Meeting, Society of Nuclear Medicine, March 1977, El Paso, TX.
4. Routine Uses of the Multichannel Analyzer in Health Physics. D Hunter and WJ Klenke, presented at the 23d Southwest Chapter Meeting, Society of Nuclear Medicine, March 1978, Little Rock, AR.
5. RIA Kits, Commercial vs Self-Developed. WJ Klenke and TD Kay, presented at the 23d Southwest Chapter Meeting, Society of Nuclear Medicine, March 1978, Little Rock, AR.
6. Pitfalls in the Use of Point Sources for Sensitivity Nonuniformity Correction. A Benedetto, W Kendall and W Klenke, presented at the 25th Southwest Chapter Meeting, Society of Nuclear Medicine, March 1980, Houston, TX.
7. A Computerized Trauma Registry. WJ Klenke, presented at Health Services Command Clinical Investigators Conference, 5 September 1980.

CURRICULUM VITAE

James F. McIlab Jr. M.D.
Capt. USA MC

HOME: 6900 Oveja Ave. El Paso Texas 79912
PHONE: 915-524-6948

BORN: 13 February 1951, Fayetteville, N.C.

AGE: 30

HOME of RECORD: 8119 Sir Calahad Dr. Evans, GA

WIFE: Leigh H. McIlab

CHILDREN: Jesse, Age 3 Jeffrey, Age 6 mos.

EDUCATION:

High School: The Academy Of Richmond County
Augusta, Georgia Graduation: 6/69

Undergraduate: The Citadel
Charleston, S.C. Degree: B.S. Biology 6/73

Graduate: The Medical College Of Georgia
Augusta, Georgia Degree: M.D. 6/77

Internship: Letterman Army Medical Center
San Francisco, Calif, 1978

Residency: The Medical College Of Georgia
Augusta, Georgia 1978-1981
Specialty: Pediatrics, Oncology

HONORS AND AWARDS:

1969: Four Year U.S. Army ROTC Scholarship

1969-1973: Distinguished Military Graduate
Who's Who In American Colleges And Universities
Regular Army Commission - PSC
Graduated CUM LAUDE

1973-1977: Four Year Medical School Scholarship (AR 601-112)
Promoted To First Lieutenant

1978: Promoted To Captain
Diplomat, American Board Of Medical Examiners

1978-1981: Chief Resident, Radiation Oncology, ACG
Clinical Fellow, American Cancer Society
Certified in Therapeutic Radiology,
By American Board Of Radiology 6/81



DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY HEALTH SERVICE COMMAND
FORT SAM HOUSTON, TEXAS 78234

REPLY TO
ATTENTION OF:

20 January 1981

CURRICULUM VITAE

Captain Robert S. Stewart, Jr., M.S., U.S. Army Medical Service Corps
12250 Madrigal
San Antonio, Texas 78233
Phone: (Home) (512) 657-5248 (Duty) (512) 221-6515/6516/3938

Born: 28 December 1951, Dallas, Texas
Age: 29
Permanent home of record: 10930 Candlelight Lane, Dallas, Texas 75229
Wife: Sallie M. Stewart, L.V.L. Housewife, age: 28
Children: two boys, ages: 9 and 7; one girl age: 5.

EDUCATION:

High School: W. T. White, Dallas, Texas. Graduated 29 May 1970.
Undergraduate: Texas A&M University, College Station, Texas, 1970-1974.
Degree awarded 10 May 1974: B.S. Microbiology; Minor - Chemistry.
Graduate: Texas A&M University, College Station, Texas, 1974-1976.
Degree awarded 13 August 1976: M.S. Microbiology/Immunology; Minor - Biochemistry. Thesis Title: Characterization of guinea pig transfer factor collected by in vivo exposure to anti-lymphocyte gamma globulin.

EXPERIENCE:

1973-1974 Laboratory Technician: Agricultural Analytical Services, College Station, Texas. Conducted chemical and biological extractions and quantitative assays of commercial live-stock feed for vitamin, amino acid, and antibiotic content. This work was in support of state mandated regulations and inspections.
1974-1976: Graduate Research Fellow: Biology Department, Texas A&M University. Research techniques included in vivo and in vitro assays for anti-lymphocyte serum potency; Macrophage Inhibition Factor (MIF), primary and continuous cell line culture; tritiated thymidine incorporation; lymphocyte activation; column and membrane separation.

20 January 1981

Visiting Lecturer: Licensed Vocational Nursing Program, Bryan Independent School District, Bryan, Texas. Duties involved: teaching the nursing students basic microbiology; demonstration of technique; supervision of laboratory exercises.

1976-1978:

Chief of Serology: Department of Pathology Reference Laboratory Letterman Army Medical Center. Duties included: supervision of six technologists and technicians providing reference serological and hormonal work for the 6th U.S. Army Area and Pacific Region; quality control review and documentation of all work performed; supervision of direct and indirect immunofluorescent, immunodiffusion, precipitation, flocculation, indirect hemagglutination inhibition assay techniques, state certified membrane filter standard water analysis, neonatal PKU testing, and LH and HCG analysis; investigation and evaluation of new techniques, procedures, and commercial products; acting liaison work with all hospital departments for special studies in the section; workload reporting; manpower survey and review; periodic review and update of all procedural guidelines; personnel evaluation and rating.

Special duties included: supervision and control of R&D funded investigation and monitoring of penicillinase-producing Neisseria gonorrhoeae, L-form, and Chlamydiae infections in military personnel; research into the possible application of computerized linear regression analysis in radial immunodiffusion techniques; initiation of special training programs and continuing education; unit efficiency coordinator; journal and library controller.

Laboratory Safety Officer: DPRL, LAMC. Duties included: advisor to the Chief, Department of Pathology; periodic survey and inspection for detection of hazardous conditions and/or situations; initiation of corrective actions and reports; heading Department Safety Committee; insuring compliance with all OSHA, JCAH, and CAP safety regulations.

1978-1980:

Chief of Reference Bacteriology: Department of Pathology Area Lab Service, Letterman Army Medical Center. A reorganization combined the Serology and Reference Bacteriology sections. Duties added to the above included: supervision of 12 technologists and technicians; coordination of studies and engineering planning leading to the relocation of the entire medical laboratory, accomplished in the autumn of 1979; supervision and quality control review of all specialized microbiological procedures including microbiological identification, BGC and PBC assays, anaerobe identification utilizing gas-liquid chromatography, reference bacteriological identification and confirmation; supervision of mycological isolation and identification.

HONORS AND AWARDS:

- 1968-1970: Member National Honor Society, Listed in Who's Who in American High Schools; National Merit Scholar, awarded National Merit Scholarship; awarded U.S. Army Four Year Scholarship; graduated cum laude.
- 1970-1974: Distinguished Student; Distinguished Military Student; Distinguished Military Graduate; recipient Regular Army Commission in the Medical Service Corps; awarded U.S. Army Fellowship for Graduate Studies.
- 1975-1976: President, Brazos Valley Foster Parents Association.
- 1976: Promoted to First Lieutenant; awarded Distinguished Graduate, NSC Officer's Basic Course; awarded National Defense Service Medal.
- 1978: Promoted to Captain.
- 1980: Awarded Army Commendation Medal. Graduated U.S. Army AMEDD Career Course.

PUBLICATIONS:

1. Characterization of Guinea Pig Transfer Factor Collected by In Vivo Exposure to Anti-Lymphocyte Gamma Globulin. Texas A&M University Thesis, 1976.
2. Prophylactic Methods in the Prevention of Diseases Among Army Personnel. Communicable Diseases and Immunology, 1978.

DISPOSITION FORM

For use of this form, see AR 140-15. Proponent agency is TAGCEN.

REFERENCE OR OFFICE SYMBOL

JECT

HSHM PER-OP

Principal Duty Assignment

TO SEE DISTRIBUTION

FROM Officer PAC
Mil Pers BrDATE 12 February 1982 CMT 1
Mr Vega/8-6497

1. Effective 10 February 1982, CPT BERGSAGEL, Carl E. 438-68-6055,
(date) (Grade of Rank) (Name) (SSN)

Company B, WBAMC, is assigned the following principal assignment
(Current unit of assignment)

WBAMC Radiation Protection Officer
(duty title/DMOS or Duty Specialty)

2. Special Instructions: N/A.

FOR THE COMMANDER:


JOHN P. LITRIO
CPT, MSC
ASST ADJ GEN

DISTRIBUTION:

201 file
Officer PAC
HQDA (SGPE-MS)
S&A
Indiv conc

CURRICULUM VITAE

NAME: CARL E. BERGSAGEL, CPT, MSC

ADDRESS: 11425 Rex Baxter Dr., El Paso, Texas 79936

TELEPHONE: Work: (915) 568-5789
Home: (915) 598-8237

DATE AND PLACE OF BIRTH: 16 August 1950, Great Lakes, Illinois

MARITAL STATUS: Married

EDUCATION:

University of North Carolina at Chapel Hill, Chapel Hill, N.C. completed 30 graduate semester credit hours in Radiological Hygiene toward the degree of Master of Science in Public Health (MSPH), June 1980 - December 1981.

East Tennessee State University, Johnson City, TN Bachelor of Science in Environmental Health (BSEH) (Cum Laude), 1975.

PROFESSIONAL/MILITARY EXPERIENCE:

January 1982-present	Assigned to William Beaumont Army Medical Center, El Paso, Texas, as Radiation Protection Officer.
July 1980 - December 1981	Assigned to US Army Medical Department Student Detachment, AHS, Fort Sam Houston, Texas, with duty at the University of North Carolina at Chapel Hill, Chapel Hill, N.C. Completed 30 semester credit hours of graduate study in Radiological Hygiene.
January 1980 - June 1980	Assigned to the Academy of Health Sciences, Fort Sam Houston, Texas. Completed the US Army Medical Department Officer Advanced Course.
September 1975-December 1979	Assigned to the US Army Medical Department Activity, Fort Stewart, Georgia, as Environmental Science Officer and Alternate Radiation Protection Officer.

OTHER TRAINING/SHORT COURSES:

February 1979	Facility Design Review Course, Academy of Health Sciences, Fort Sam Houston, Texas (2 weeks).
January 1978	Community and Environmental Health Program Management Course, Academy of Health Sciences, Fort Sam Houston, Texas (2 weeks).
January 1977	Environmental Pollution Control Course, Academy of Health Sciences, Fort Sam Houston, Texas (2 weeks).
December 1976	Industrial Hygiene Workshop, US Army Environmental Hygiene Agency, Aberdeen Proving Ground, MD (2 weeks).
May 1976	US Army Medical Department Officer Basic Course, Academy of Health Sciences, Fort Sam Houston, Texas (4 weeks).
September-November 1975	Community Health and Environmental Science Course, Academy of Health Sciences, Fort Sam Houston, Texas (9 weeks).

PROFESSIONAL AFFILIATION:

Health Physics Society

TRAINING AND EXPERIENCE
AUTHORIZED USER OR RADIATION SAFETY OFFICER

C876

1. NAME OF XXXXXXXXXXXX RADIATION SAFETY OFFICER Carl E. Bergsagel, CPT, MSC, US Army	2. STATE OR TERRITORY IN WHICH LICENSED TO PRACTICE MEDICINE
---	--

3. CERTIFICATION		
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C

4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES			
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING	
		LECTURE/ LABORATORY COURSES (Hours) C	SUPERVISED LABORATORY EXPERIENCE (Hours) D
a. RADIATION PHYSICS AND INSTRUMENTATION	UNC, Chapel Hill, NC Aug 80 - Dec 80 ORAU, Oak Ridge, TN May 81	69 hr. 5 hr.	12 hr.
b. RADIATION PROTECTION	UNC, Chapel Hill, NC Jan 81 - May 81 Aug 81 - Dec 81	45 hr. 45 hr.	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	UNC, Chapel Hill, NC Aug 80 - Dec 80	45 hr.	
d. RADIATION BIOLOGY	UNC, Chapel Hill, NC Jan 81 - May 81 ORAU, Oak Ridge, TN May 81	45 hr.	5 hr.
e. RADIOPHARMACEUTICAL CHEMISTRY	UNC, Chapel Hill, NC Sep 81 - Nov 81	10 hr.	

5. EXPERIENCE WITH RADIATION. (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	MAXIMUM AMOUNT	WHERE EXPERIENCE WAS GAINED	DURATION OF EXPERIENCE	TYPE OF USE
Ba 133	6 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1), (2)
Bi 210	2 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1)
C 14	2 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1)
Cd 109	10 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(2)
Cl 36	1 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1)
Co 60	6,000 Ci	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1), (2)
Cb 137	2 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1), (2)
Na 22	2 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1), (2)
Po 210	2 uCi	UNC, Chapel Hill, NC	Aug 80 - Dec 80	(1)



DEPARTMENT OF THE ARMY
WILLIAM BEAUMONT ARMY MEDICAL CENTER
OFFICE OF THE COMMANDER
EL PASO, TEXAS 79920

ATZC-MDZA

15 August 1980

SUBJECT: As Low As Reasonably Achievable (ALARA) Program

Each Principal User of Radioactive Materials at William Beaumont
Army Medical Center
Each Member of William Beaumont Army Medical Center Radiation
Control Committee

1. This Center remains committed to maintaining radiation exposures and release of radioactive effluents to the environment at levels as low as are reasonably achievable.
2. In support of this commitment, the William Beaumont Army Medical Center Radiation Control Committee has formulated a program for maintaining radiation exposures at the lowest practical level (Incl 1).
3. I support this program as do all members of my staff.
4. I direct each supervisor of personnel who handle or use radioactive materials or radiation devices to familiarize themselves with, and implement this program. Each radiation worker with potential occupational exposure must be made aware of this program as well as this Center's commitment to it.

CHESTER L. WARD, M.D.
Brigadier General, MC
Commanding

1 Incl
as



DEPARTMENT OF THE ARMY
WILLIAM BEAUMONT ARMY MEDICAL CENTER
EL PASO, TEXAS 79920

ATZC-MDHE-RPO

15 AUG 1980

SUBJECT: Program for Maintaining Occupational Radiation Exposures
As Low As Reasonably Achievable (ALARA)

I. Commitment.

a. William Beaumont Army Medical Center (WBAMC) is committed to maintaining radiation exposures (Individual and Collective) and releases of radioactive effluents to the environment as low as reasonably achievable. In accord with this commitment, this Center has established an administrative organization for radiation safety and developed the necessary written policy procedures and instructions to foster the ALARA concept. The organization includes a Radiation Control Committee (RCC) and a Health Physics Officer (HPO)/Radiation Protection Officer (RPO). This administrative organization is committed to ensuring implementation of sound radiation safety practices.

b. A formal audit of the radiation protection program is accomplished once each year during the Annual General Inspection (AGI) by qualified experts not assigned to this Center. A written record of the audit, its recommendations and required corrective action are maintained at the Health Physics Office, WBAMC.

c. Modification to operating and maintenance procedures as well as equipment and facilities will be made where such action will significantly reduce exposures at reasonable costs.

d. In addition to maintaining doses to individuals ALARA, the sum of the doses received by all exposed individuals will also be maintained at the lowest practicable level. It is not desirable, for example, to hold the highest doses to individuals to some fraction of the applicable limit if such action involved exposing additional people and significantly increasing the sum of radiation doses received by all involved individuals.

II. Radiation Control Committee (RCC).

a. Review of proposed users and uses.

1. In accordance with the provisions of WBAMC Regulation 40-14, the RCC will thoroughly review the qualifications of each potential authorized user with respect to the types and quantities of radioactive

Inc/ 1

15 AUG 1980

SUBJECT: Program for Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable (ALARA)

materials and uses for which he/she has applied. The RCC will require that the user take appropriate measures to maintain exposure ALARA as a condition of approval.

2. When considering a new use of byproduct material, the RCC will review the efforts of the authorized user to maintain exposure ALARA.

3. The RCC will ensure that the user is able to justify his/her procedures and that the proposed procedures will result in ALARA doses (individual and collective).

b. Delegation of authority.

1. In accordance with the provisions of WBAMC Regulation 40-14, the Health Physics Officer/Radiation Protection Officer (HPO/RPO) is delegated authority to implement and enforce the WBAMC Radiation Protection Program.

2. The RCC will support the HPO/RPO in those instances where it is necessary for the HPO/RPO to assert his/her authority. Where the RPO has been overruled, the Committee will record the basis for its action.

c. Review of ALARA program. The WBAMC RCC will perform an annual review of all radiation safety programs in conjunction with the HPO/RPO. Normally, this will be accomplished at the time of the AGI. Additionally, the RCC will:

1. Encourage all users to review current procedures and develop new procedures as appropriate for ways to implement the ALARA concept.

2. Review all instances of deviations from the ALARA philosophy. Information in support of the review will normally be supplied by the Radiation Protection Officer.

3. Evaluate the overall efforts for maintaining exposures ALARA. This review will include the efforts of the Radiation Protection Officer, authorized users and workers, as well as those of management.

III. Health Physics Officer/Radiation Protection Officer (RPO).

a. Program Review. An audit of the radiation protection program for compliance with ALARA concepts will be performed annually. The RPO will conduct frequent reviews of procedures. The RPO will review:

15 AUG 1980

SUBJECT: Program for Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable (ALARA)

1. Exposures of authorized users and occupational workers to determine that their exposures are ALARA.

2. Radiation levels in unrestricted and restricted areas and releases of effluents to unrestricted areas to determine that they are at ALARA level.

b. The HPO/RPO education responsibilities. The RPO will:

1. Ensure that workers are informed of ALARA program efforts.

2. Advise authorized users, occupational workers and ancillary personnel of the ALARA philosophy and this Center's commitment to implementing ALARA.

c. Cooperative efforts for development of ALARA procedures.

1. Individuals who must work with ALARA concepts will be given opportunities to participate in formulation of the procedures that they will be required to follow.

2. The RPO will maintain contact with all users and workers in order to develop ALARA procedures for working with radioactive materials..

d. Deviation from good ALARA practices. The HPO/RPO is directed to:

1. Investigate all instances of deviation from good ALARA practices and, if possible, determine the causes. When the cause is known, the RPO will propose changes in the program to maintain exposures ALARA.

2. Report all significant instances of deviation from ALARA concepts to the RCC for review.

IV. Authorized Users.

a. New procedures involving potential radiation exposures.

1. The authorized user will consult the RPO and RCC before using radioactive materials for a new procedure as required by local regulation.

2. The authorized user will consider all procedures thoroughly before using radioactive materials to ensure that exposures will be kept ALARA.

15 AUG 1980

SUBJECT: Program for Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable (ALARA)

b. Responsibility of the authorized user to supervised personnel.

1. The authorized user will thoroughly explain the ALARA concept and his/her commitment to maintain exposures ALARA to all supervised personnel.

2. The authorized user will ensure that his/her occupational workers are trained and educated in good health physics practices and in maintaining exposures ALARA.

3. The authorized user will be responsible to the radiation safety concerns of the individuals that he/she supervises.

c. Continuing review of ALARA concepts by the authorized user.

1. The authorized user will continuously review his/her procedures to ensure that his/her ALARA program is optimal.

2. The authorized user will maintain contact with the RPO to ensure that he/she is aware of, and employs, the most current methods to maintain exposures ALARA.

V. Occupational Worker.

a. ALARA considerations.

b. The occupational radiation worker will:

1. Implement ALARA procedures developed by the authorized user and the RPO.

2. Know what recourses are available if he/she feels that ALARA is not being promoted on the job.

3. Review his/her own working conditions and those of his/her fellow workers for the implementation of ALARA principles.

VI. Establishment of Action Levels in Order to Achieve Reductions in Individual Occupational Exposures.

a. The Center hereby establishes exposure action levels for NRC licensed materials only which, when exceeded, will require investigation by the RCC and/or the RPO. Exposure from non-NRC controlled sources of radiation are handled IAW AR 40-5.

15 AUG 1980

SUBJECT: Program for Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable (ALARA)

b. The Investigational Levels that we have adopted are listed in Table 1 below within the provisions of a, above. These levels apply to the exposure of individual workers.

TABLE 1

Investigational Levels -
(mrems per calendar quarter)

	<u>LEVEL I</u>	<u>LEVEL II</u>
1. Whole body; head and trunk; active blood-forming organs; lens of eyes; or gonads	125	375
2. Hands and forearms; feet and ankles	1875	5625
3. Skin of whole body*	750	2250

*Not normally applicable to nuclear medicine operations except those using significant quantities of beta emitting isotopes.

The Radiation Protection Officer will review and record on Form NRC-5, Current Occupational External Radiation Exposures, or an equivalent form (e.g., dosimeter processor's report), results of personnel monitoring, not less than once in any calendar quarter, as is required by 10 CFR 20.20.401. The following actions will be taken at the Investigational Levels as stated in Table 1:

a. Quarterly exposure of individuals to less than Investigational Level I.

Except when deemed appropriate by the RPO, no further action will be taken in those cases where an individual's exposure is less than Table 1 values for the Investigational Level I.

b. Personnel exposures equal to or greater than Investigational Level I, but less than Investigational Level II.

The RPO will review the exposure of each individual whose quarterly exposures equal or exceed Investigational Level I. He will report the results of his reviews at the first RCC meeting following the quarter when the exposure was recorded. If the exposure does not equal or exceed Investigational Level II, no action related specifically to the exposure is required unless deemed appropriate by the Committee. The Committee will, however, consider each such exposure in comparison with those of others performing similar tasks as an index of ALARA program quality and will record the review in the Committee minutes.

16923

15 AUG 1989

SUBJECT: Program for Maintaining Occupational Radiation Exposures As Low As Reasonably Achievable (ALARA)

c. Exposure equal to or greater than Investigational Level II.

The RPO will investigate in a timely manner the cause(s) of all personnel exposures equaling or exceeding Investigational Level II and, if warranted, take action. A report of the investigation, actions taken, if any, and a copy of the individual's Form NRC-5 or its equivalent will be presented to the RCC at the first RCC meeting following completion of the investigation. The details of these reports will be recorded in the Committee minutes. Committee minutes will be sent to the management of this institution for review. The minutes, containing details of the investigation, will be made available to NRC inspectors for review at the time of the next inspection.

d. Re-establishment of an individual occupational worker's Investigational Level II Above That Listed in Table 1.

In cases where a worker's or a group of workers' exposures need to exceed Investigational Level II, a new, higher Investigational Level II may be established on the basis that it is consistent with good ALARA practices for that individual or group. Justification for a new Investigational Level II will be documented.

The Radiation Protection Committee will review the justification for, and will approve, all revisions of Investigational Levels II. In such cases, when the exposure equals or exceeds the newly established Investigational Level II, those actions listed in paragraph c, above, will be followed.

VII. Signature of Certifying Official

I hereby certify that this institution (or private practice), has implemented the ALARA Program set forth above.

Chester L. Ward, MD

Signature

CHESTER L. WARD, M.D.

Brigadier General, MC

Commanding

Name & Title

Institution (or Private Practice) Name and Address:

WILLIAM BEAUMONT ARMY MEDICAL CENTER
El Paso, Texas 79920