

# *38<sup>th</sup> Lauriston Taylor Lecture*

March 10, 2014



Fred A. Mettler, Jr., MD, MPH

CURRICULUM VITAE

FRED A. METTLER, JR., MD, MPH

# Curriculum Vitae

## Fred A. Mettler, Jr., MD, MPH

### Volume 1

**TELEPHONE:**

Office: (505) 256-5712  
Home: (505) 243-0236  
Fax: (505) 256-2864

**PLACE AND DATE OF BIRTH:**

New York, New York—April 17, 1945

**EDUCATION:**

1966 A.B. Mathematics  
Columbia University, New York, New York  
1970 M.D. Jefferson Medical College Philadelphia, Pennsylvania  
1975 M.P.H. Industrial Health, Harvard School of Public Health  
Boston, Massachusetts

**HONORS:**

1978-82 Picker Foundation Scholar  
1978-79 Outstanding Teacher of the Year  
UNM Radiology Department 1982  
John Muir Award, Medical Film Festival  
Standard Oil of California Radiology Award  
1984 Fellowship, American College of Radiology



*Cecilia*

*Fred*



*Cecilia*

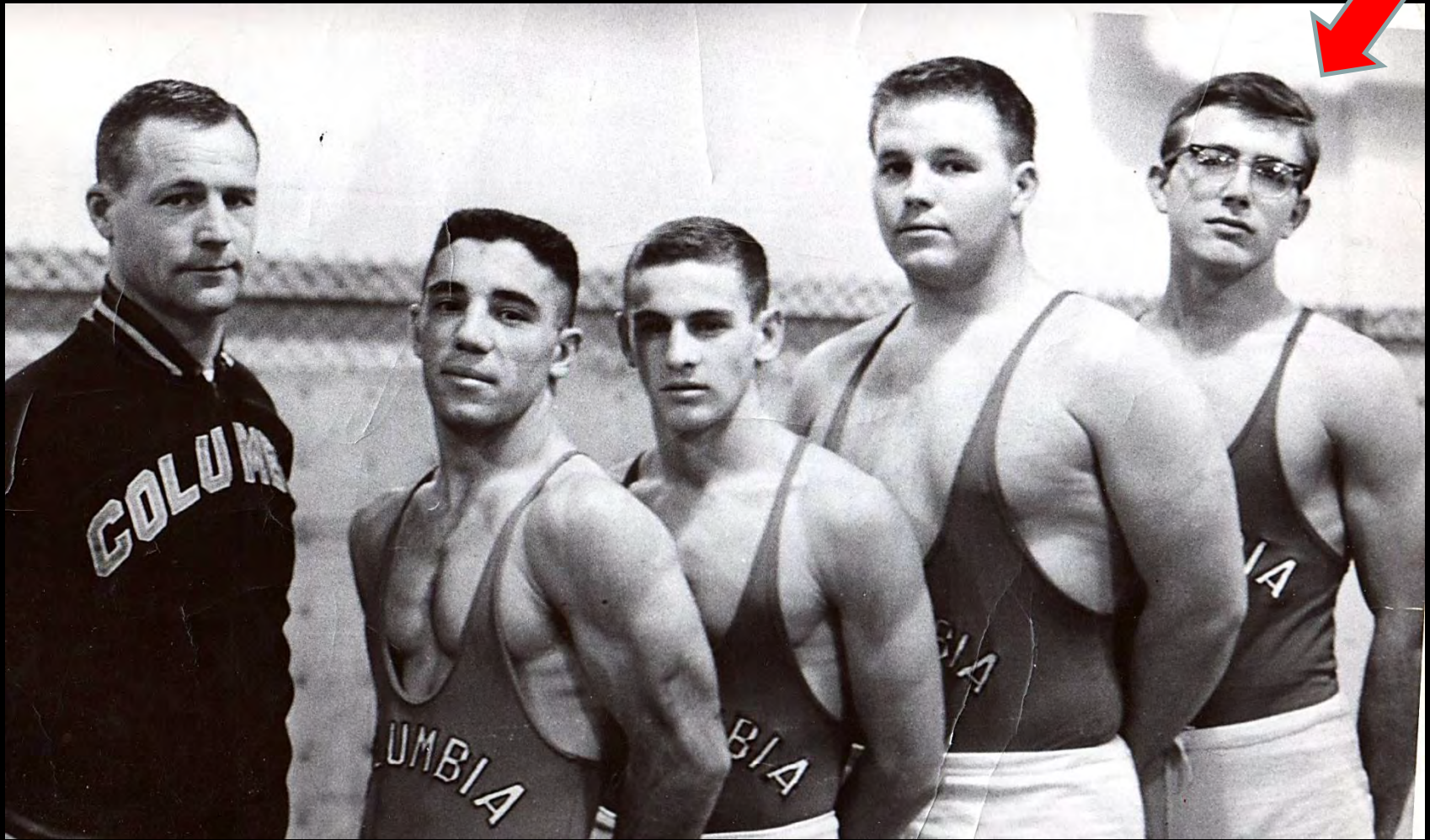
*Prof. Fred Sr.*

*Fred Jr*



# Education

- 1966 A.B. Columbia University (Mathematics)
- 1970 M.D. Jefferson Medical College, Philadelphia
- 1970-71 University of Chicago, Rotating Internship
- 1974-76 Harvard School of Medicine  
NIH Clinical Fellow and Resident  
MGH, Department of Radiology
- 1975 M.P.H. Harvard School of Public Health
- 1975 Massachusetts Institute of Technology  
Graduate Courses Medical Engineering



Columbia Varsity Wrestling Team (1965)

# TOPEKA RUGBY



## midway

eka Capital-Journal

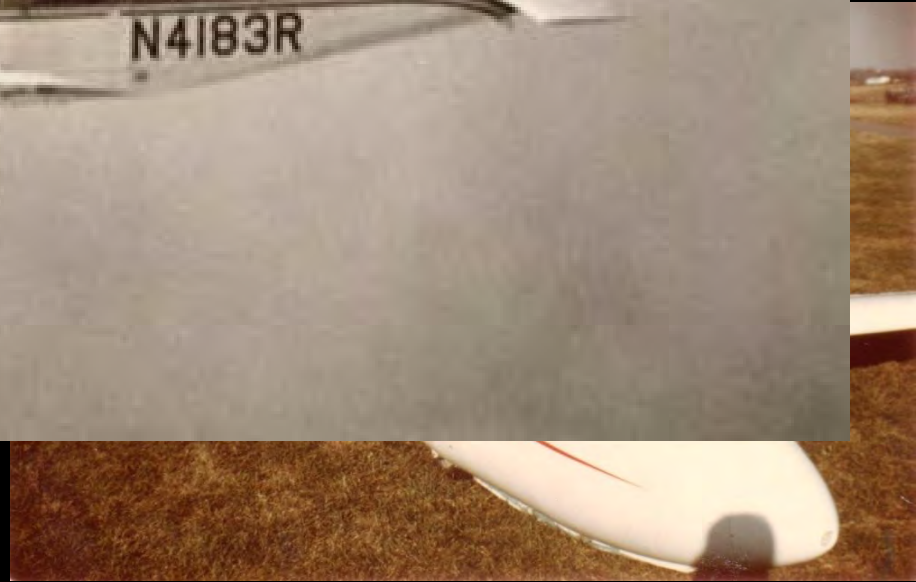
October 28, 1973



The Topeka Rugby Football Club has captured the class and brutality of this more bearish brand of football with a team of law school students, former high school football stars, resident hippie Steve Swalwell and Dr. Fred Mettler, late of the Air Force.









Harvard University Chapel - 1976



Bear Hunting Honeymoon Trip to Alaska

Gloria 1, Fred 0



# Radiology & Nuclear Medicine

University of New Mexico, School of Medicine  
Department of Radiology

- 1978-82 Assistant Professor  
James Picker Foundation Scholar
- 1985 Professor & Chair
- 2003 Professor Emeritus
- 2006 Chief of Radiology & Nuclear Medicine  
New Mexico Veteran's Health Care System

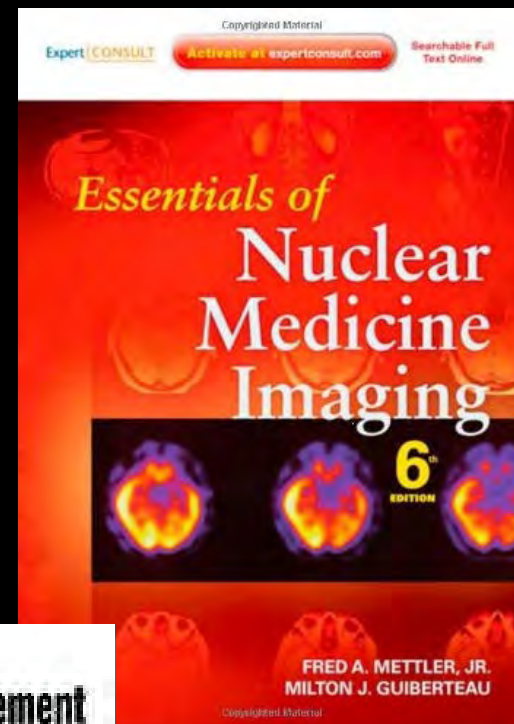
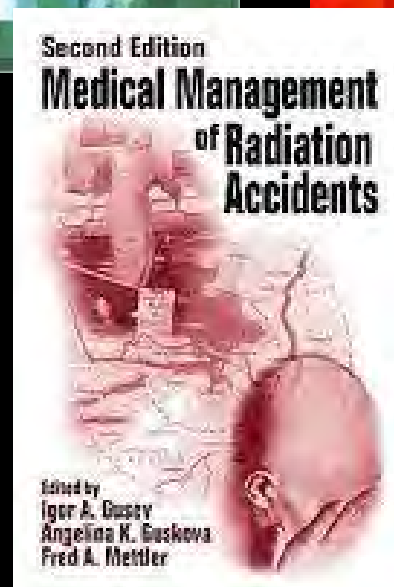
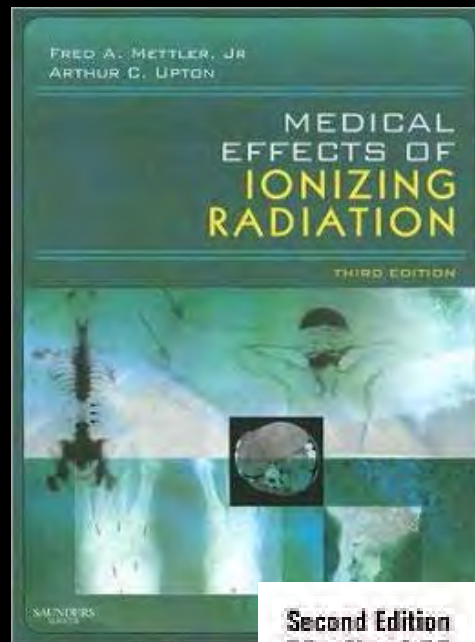
# Scholarship

- 360 Publications
  - Peer-reviewed Articles
  - Scientific Reports
  - Monographs
  - Editorials
  - Perspectives
  - Letters
  - Book Chapters
- 20 Books

# Medical Radiation Exposure Trends

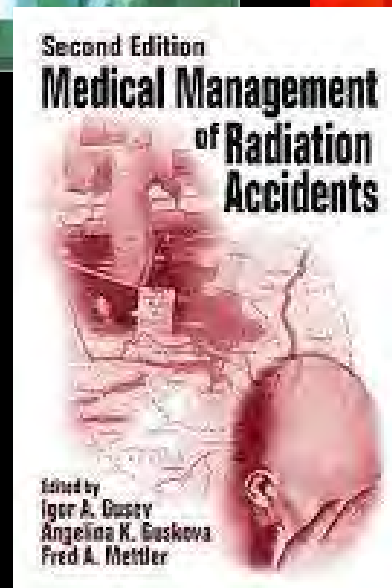
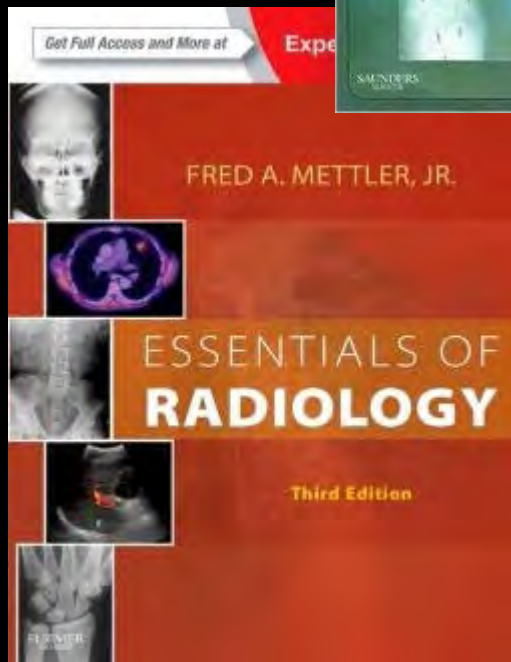
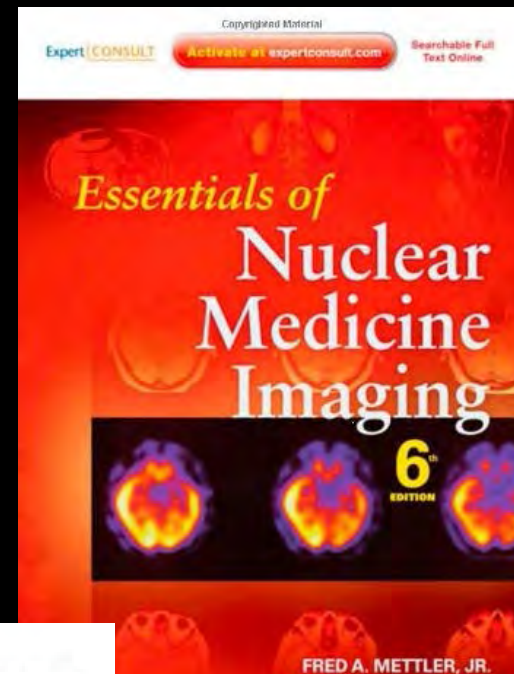
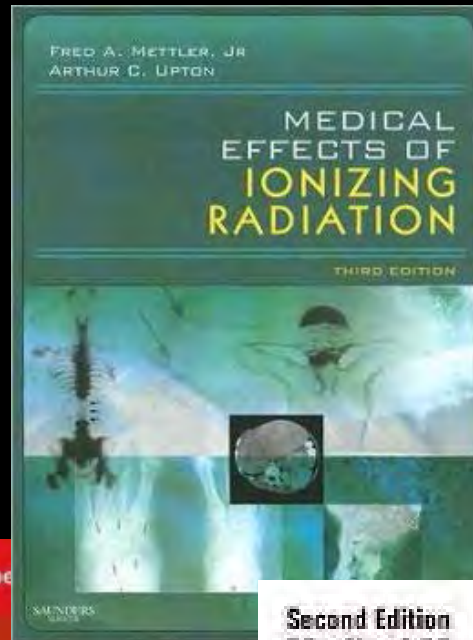
- 1969 Mettler FA, Hempelmann LH, Ames W, et al  
Breast Neoplasms in Women Treated with X-rays for Acute Postpartum Mastitis, J. National Cancer Institute
- 1985 Evens RG, Mettler FA National CT Use and Radiation Exposure: United States 1983, AJR
- 1985 Mettler FA, Christie JH, Williams, AG et al  
NM Trends and Utilization in the US: 1972-1982, J Nucl Med
- 1987 Tryhus M, Mettler FA. The Radiologists and Angiographic Procedures, Absorbed Radiation Dose, Invest Radiol
- 1993 Mettler FA. Exposure of the US Population from Medical Radiation, NCRP Proceedings no. 15
- 2002 Mettler FA, Voelz GL. Major radiation exposure—what to expect and how to respond. *New England J of Medicine*

# Teacher





# Teacher



# Practitioner

## Integration of Science of Radiation Protection into Medical Practice & Policy

- National Academy of Sciences
- National Research Council
- National Cancer Institute
- White House, Homeland Security
- US Department Homeland Security
- Centers for Disease Control
- Peace Corps
- Institute of Medicine
- World Health Organization
- OECD, Nuclear Energy Agency
- Japanese Cabinet Consultant

# Leadership

## □ NRCP

- Board of Directors 1991-98
- Scientific Vice President (Medical Radiation)

## □ ICRP

- Main Commission (1989-2006)
- Chair of Committee 3 (Medical Radiation Protection)

## □ UNSCEAR (1977-2014)

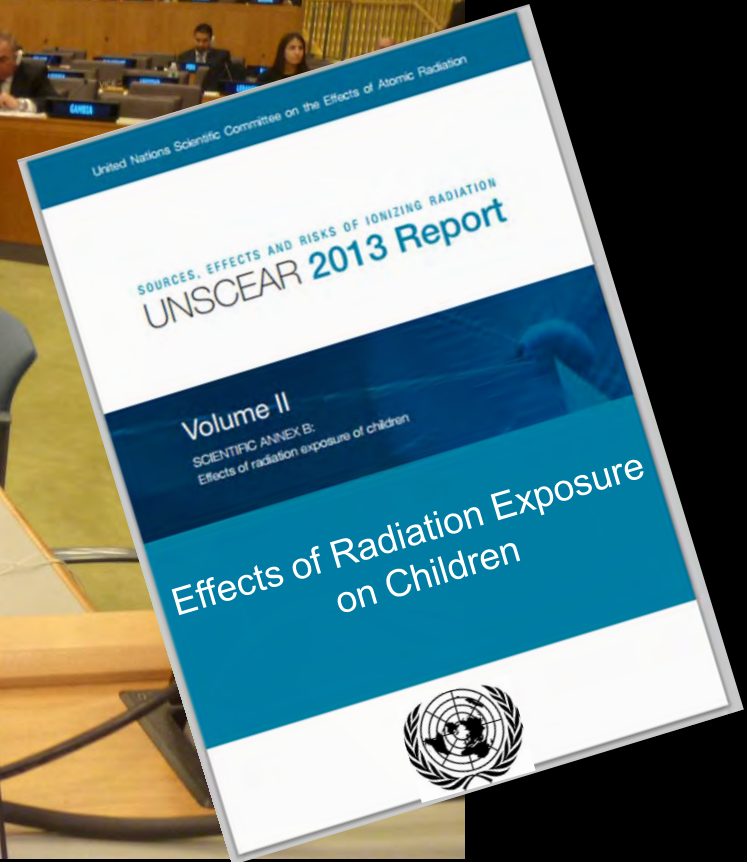
- US Representative & Head of Delegation (1986-2014)

## □ IAEA

- Mission Leader - Medical Teams – Costa Rican, Peruvian, Panamanian & Polish Governments

# United Nations General Assembly

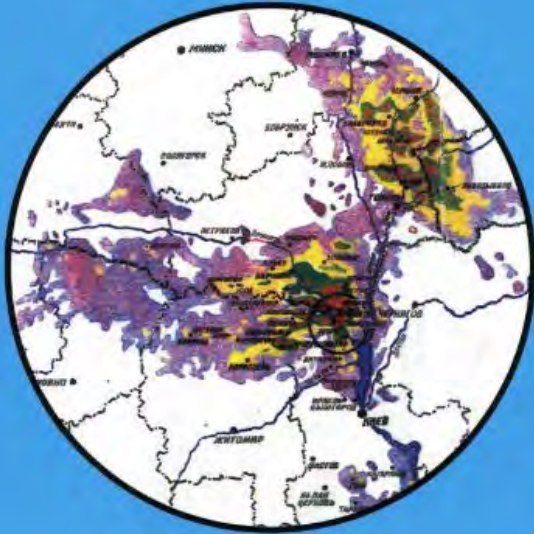
## October 2013



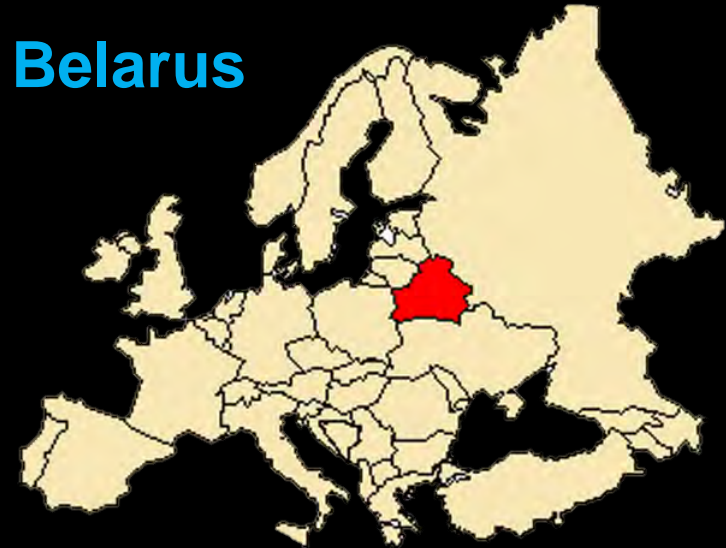


International Chernobyl Project  
Health Effects Team Leader  
1990-1991

# THE INTERNATIONAL CHERNOBYL PROJECT



**Belarus**





Academician  
Russian Academy of Medical Sciences



АКАДЕМИЯ  
МЕДИЦИНСКИХ  
НАУК СССР







Production of the Verbeke 200

Fred A. Mettler, Jr., MD, MPH

*38<sup>th</sup> Lauriston Taylor Lecturer*

