

copy

# Mayo Clinic

Rochester, Minnesota 55901 Telephone 507 284-2511

Alan L. Orvis, Ph.D.  
Radiation Safety Office

January 15, 1981

Division of Fuel Cycle and Material Safety  
United States Nuclear Regulatory Commission  
Regional Licensing Section  
License Management Branch  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Dear Sirs:

Re: License No. 22-00519-02  
License No. 22-00519-03

The purpose of this letter is to list the names of members of the Mayo Clinic Radiation Control Committee as it has been constituted for the calendar year 1981 and to describe the qualifications of the new members.

Manuel L. Brown, M.D., Chairman  
Nuclear Medicine and Diagnostic Radiology

Gregory J. Thomas, M.B.A.  
Administration

Alan L. Orvis, Ph.D., Radiation Safety Officer  
Medical Health Physics

Richard J. Vetter, Ph.D., Assistant Radiation Safety Officer  
Medical Health Physics  
(replaces Joel E. Gray, Ph.D.)

Christopher O. Batchelder, B.A.  
Administration

Jonathan E. Clain, M.D.  
Internal Medicine and Gastroenterology  
(replaces John C. Mitchell, III, M.D.)

Mrinal K. Dewanjee, Ph.D.  
Radiochemistry and Nuclear Medicine

Karen S. Fountain, M.D.  
Therapeutic Radiology

8101210 332

NOOK  
9/11

Louis Letendre, M.D.  
Internal Medicine and Hematology

Edward G. Lufkin, M.D.  
Internal Medicine and Endocrinology

Robert L. MacCarty, M.D.  
Diagnostic Radiology  
(replaces Alan D. Hoffman, M.D.)

John T. Penniston, Ph.D.  
Cell Biology  
(replaces David Steinmuller, Ph.D.)

The biographical sketches of the new members follow:

Jonathan E. Clain, M.D. - Gastroenterology

Doctor Clain attended the University of Cape Town, South Africa, receiving the degree of M.B.,Ch.B. (M.D. equivalent) in 1966. Following a year of internship at Groote Schuur Hospital, Cape Town, he served in the National Service in South Africa from 1968 to 1969. He served a residency in medicine at Groote Schuur Hospital from 1970 to 1972, followed by two years of residency in gastroenterology at Groote Schuur Hospital. He is a Fellow of the College of Physicians of South Africa (Internal Medicine Board equivalent) since 1972. Doctor Clain was United States Public Health Service Post-doctoral International Fellow in 1975. He was a research fellow in gastroenterology in the Mayo Graduate School of Medicine from August, 1975, to November, 1976. From that time until he joined the Clinic staff he was a consultant at Groote Schuur Hospital, South Africa. Doctor Clain became a member of the Mayo Clinic staff in 1979.

Robert L. MacCarty, M.D. - Diagnostic Radiology

Doctor MacCarty is certified in Radiology (1974). He attended Dartmouth College, Hanover, New Hampshire, from 1962 to 1966, receiving the degree of B.A., and the University of Saskatchewan School of Medical Sciences, Saskatoon, Saskatchewan, Canada, from 1966 to 1970, receiving the degree of M.D. He interned the following year at the University of Oklahoma Medical Center, Oklahoma City, Oklahoma. He completed a residency in diagnostic roentgenology at the Mayo Graduate School in June, 1974, and received the M.S. degree in Radiology that year. In April of 1974 he was appointed a Mayo Foundation Scholar. Doctor MacCarty has been a member of the Mayo Clinic staff since 1974. Since July 1976 he has been Assistant Professor in Mayo Medical School. He is a member of the American Roentgen Ray Society and the Society of Gastrointestinal Radiologists.

John T. Penniston, Ph.D. - Cell Biology-Biochemistry

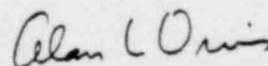
Doctor Penniston attended Harvard University, Cambridge, Massachusetts, receiving the degree of A.B. in 1957, A.M. in 1959, Ph.D. in 1962, and then continuing as a research fellow in biochemistry following graduation. From 1964 to 1966 he was a postdoctoral trainee in biochemistry at the Enzyme Institute, University of Wisconsin. He was visiting assistant professor in chemistry at Pomona College, Claremont, California, from 1963 to 1964 and assistant professor at the Institute for Enzyme Research at the University of Wisconsin from 1966 to 1971. From 1971 to 1976 he was associate professor of chemistry at the University of North Carolina. Doctor Penniston became a member of the Mayo Clinic staff in 1976. He is a member of the American Society of Biological Chemists and the American Chemical Society. His research interests include the transport of ions across cell membranes and intracellular  $Ca^{2+}$  regulation of metabolism.

Richard J. Vetter, Ph.D. - Division of Therapeutic Radiology, Radiation Physics  
Assistant Radiation Safety Officer

Doctor Vetter was certified by the American Board of Health Physics in 1977. He attended South Dakota State University in Brookings, South Dakota, where he received the degrees of B.S. in 1965 and M.S. in 1967. He received the degree of Ph.D. in 1969 from Purdue University in West Lafayette, Indiana. He has held positions as teaching assistant and research assistant at South Dakota State University from 1965 to 1967, as Environmental Health Fellow at Purdue University 1967 to 1969, and as Assistant Professor of Biology at Point Park College 1969 to 1970. Since 1970 he has served as Assistant Professor of Bionucleonics, Assistant Radiological Control Officer and Professor of Bionucleonics at Purdue University. Doctor Vetter became a member of the Mayo Clinic staff in December, 1980. He is a member of Health Physics Society, International Radiation Protection Association, and (pending) American Association of Physicists in Medicine. His research interests include the biological effects and dosimetry of ionizing and nonionizing radiation and the metabolism of trace elements, heavy metals, and radionuclides.

Doctor Vetter's training and experience summary is attached.

Very truly yours,



Alan L. Orvis  
Radiation Safety Officer

alo/lh

TRAINING AND EXPERIENCE

1. Name and Title:

Richard J. Vetter, Ph.D.  
Assistant Radiation Safety Officer  
Mayo Clinic

2. Certification:

American Board of Health Physics, September, 1977.

3. Training Received in Basic Radioisotope Techniques:

<u>Field of Training</u>	<u>Location and Dates of Training</u>	<u>Lecture (hours)</u>	<u>Laboratory (hours)</u>
a. Radiation Physics and Instrumentation	South Dakota State University 1/67 - 6/67	30	15
	Purdue University 9/67 - 1/69	30	30
b. Radiation Protection	Purdue University 1/68 - 6/68	30	15
	Oak Ridge National Lab 6/74 - 7/74	75	100
c. Mathematics Pertaining to Use and Measurement of Radioactivity	South Dakota State University 1/67 - 6/67	30	15
	Purdue University 9/67 - 9/69	60	30
	Oak Ridge National Lab 6/74 - 7/74	75	100
d. Radiation Biology	Purdue University 1/68 - 6/68	30	
e. Radiopharmaceutical Chemistry	Purdue University 9/67 - 9/69	15	

TRAINING AND EXPERIENCE (continued):

4. Experience with Radiation:

	<u>Isotope</u>	<u>Max. Amt.</u>	<u>Where Experience Gained</u>	<u>Duration</u>	<u>Type of Use</u>
a.	$^3\text{H}$ , $^{14}\text{C}$	0.1 mCi	South Dakota State Univ.	4 mos.	Tracer experiments
b.	$^{48}\text{V}$ , $^{54}\text{Mn}$ , $^{57}\text{Co}$ , $^{65}\text{Zn}$ , $^{75}\text{Se}$ , $^{109}\text{Cd}$ , $^{115\text{m}}\text{Cd}$ , $^{125}\text{I}$	15 mCi	Purdue University	10 yrs.	Tracers in research
c.	$^{60}\text{Co}$	7500 Ci	Purdue University	10 yrs.	Bioeffects research
d.	$^{137}\text{Cs}$	2 Ci	Purdue University	10 yrs.	Instrument calibration
e.	$^3\text{H}$ z = 3-83	1 Ci 50 mCi	Purdue University	10 yrs.	Radiation protection
f.	Fuel rods 3.5% enriched	30,000 kg	Purdue University	3 yrs.	Fast breeder blanket
g.	$^{252}\text{Cf}$	9 Ci	Purdue University	3 yrs.	Fast breeder blanket facility