



SCHNEIDER REGIONAL
MEDICAL CENTER

ROY LESTER SCHNEIDER
HOSPITAL

MYRAH KEATING SMITH
COMMUNITY HEALTH CENTER

CHARLOTTE KIMELMAN
CANCER INSTITUTE

NMSS

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RECEIVED
REGION 1

8 November 2007

Richard McKinley, Health Physicist
Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

03013764

Reference: NRC License Number 55-17986-01

Dear Mr. McKinley:

Recently Charles L. Chipley III left the employ of Schneider Regional Medical Center and returned to Florida. It was necessary to appoint a new Radiation Safety Officer and I was chosen.

I have enclosed copies of my CV, degrees, Texas License and American Board of Radiology certification. As you will note, I am licensed and certified in Therapy, Diagnostic, and Medical Nuclear Physics. I am also licensed in Health Physics. I have been named on numerous state Radioactive Materials Licenses as a Qualified Expert and/or RSO, most recently at Roper Hospital in Charleston, SC. If you require additional information, please contact me.

Please amend the above license to reflect this change.

Ray A. Els, Ph.D., DABR
Radiation Safety Officer

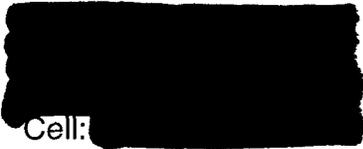
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NMSS/RGN1 MATERIALS-002

FAX RECEIVED 11/9/2007

CURRICULUM VITAE

Ray Allen Els, Ph.D.

Cell: 

CERTIFICATION:

American Board of Radiology in Radiological Physics (Therapy, Diagnostic, and Medical Nuclear) December 1977

LICENSURE:

Licensed as a Medical Physicist (in therapy, diagnostic, medical nuclear, and health physics) by the State of Texas. License Number MP0041

SOCIETY MEMBERSHIPS:

American Association of Physicists in Medicine, American College of Radiology, American Society of Therapeutic Radiology and Oncology

POSITIONS HELD:

October 2007 to Present – Acting Chief Physicist (Locum) at The Charlotte Kimelman Cancer Institute in St. Thomas, US Virgin Islands

Duties: Responsible for physics on a Varian 21EX Platinum Plus accelerator with Electronic Portal Imaging and IMRT capable. The facility is using Eclipse and Varis. There is a Varian GammaMed HDR unit and a prostate seed implant program using Variseed software. IMRT verification is done using PV dosimetry and phantom measurements. I also serve as the RSO for Roy Lester Schneider Medical Center.

February 2007 to October 2007 – Acting Chief Physicist (Locum) at Roper St Francis Healthcare in Charleston, South Carolina

Duties: Responsible for physics on an Elekta SL25 and a Siemens MD with a physicist and three dosimetrists under my direction. An ADAC treatment planning system was used with IMPAC R&V. There was an active MammoSite program using a Varian HDR unit. Prostate implants were done with I-125 seeds and a Variseed

planning system in OR. Cesium was used for OB/GYN patients. MapCheck was used to verify IMRT treatments

August 2005 to February 2007 – Chief Physicist and RSO for Gulf Coast Cancer Centers in South Alabama.

Duties: I was responsible for the physics at four freestanding centers with Varian 2100/2300 accelerators doing IMRT at all centers and IGRT with OBI at one center. There was VARIS R&V and Eclipse treatment planning. I used a PTW chamber array for IMRT verification.

January 2001 to August 2005 – Chief Physicist and RSO at Mount Carmel Regional Medical Center in Pittsburg, Kansas

Duties: Did physics for Clinac 2100C/D with multileaf and IMPAC record and verify. Moved the center from planning on RAHD 3D Pro system to MDS Nordion Helax system with inverse treatment planning. Did all planning for instituting IMRT using RIT system. Was involved in over 50 prostate implants using I-125 and Pd-103 seeds and Variseed live time planning. Chaired Radiation Safety Committee.

January 1996 to January 2001 – Chief Physicist at Regional Cancer Treatment Center in San Angelo, Texas

Duties: Did physics for an orthovoltage unit, a Clinac 600C and a Clinac 1800. Did treatment planning with CMS system then moved to 3D planning with RHAD Pro system using in-house CT unit.

August 1984 to January 1996 – Founder and Chief Physicist of North Shore Physics, Inc. in New Orleans and supplied Physics and Dosimetry services to four radiation oncology facilities. I employed four dosimetrists and an office manager.

Duties: Did all physics and supervised all Dosimetry. I was a consultant to hospital Radiology and Nuclear Medicine Departments. I served as RSO for a regional hospital. Equipment used included Clinac 4s and 6/100s, Clinac 1800, EMI 4/6, Cobalt units, superficial units, and orthovoltage units. I was involved in implants with Iridium, Cesium, Gold, and Iodine to breast, lung, prostate, and brain. I did treatment planning on a Rad 8, PC 12, Theratron, and RAHD systems.

June, 1977 to August 1984 - Founder and Chief Physicist of Atlanta Radiological Physics, Inc., a consulting firm supplying Physics and Dosimetry services in north Georgia and eastern Tennessee to six radiation oncology departments. Six physicists and three dosimetrists were employed. Also founded High Energy Technology, an accelerator service organization with five Varian trained technicians employed.

Duties: Supervised all medical physics activities in five radiation oncology departments and shared duties in two others with hospital-based physicists. ARP also provided physics services to numerous Radiology Departments and Nuclear Medicine Departments. We also did shielding design and testing throughout the South East. HET provided accelerator service throughout the South East. Equipment experience included Siemens accelerators, Cobalt units, Clinacs 4, 6, 18 and 20, an AECL Therac, and a Philips accelerator in Mobile, Alabama. I did treatment planning on PC 12s, ADAC, and Modulex systems. We did all cerrobend block fabrication and masks and molds for superficial and electron treatment. I was involved in Cesium implants and prostate implants with I-125 seeds. Help write a PC based program to calculate MU and Minutes for accelerators and Cobalt units. I used this program, with modifications, clinically for about 25 years until commercial programs became available.

July, 1976 to June, 1977 - Staff Physicist at the Cancer Therapy and Research Center in San Antonio, Texas

Duties: CTRC was planned to be the only radiation facility in San Antonio with an open Radiation Oncology staff. When I arrived there were 2 Cobalt units and a Clinac 6X. I was hired to do all acceptance testing on a new Clinac 18. I did treatment planning on a PC 12 computer. I was placed in charge of all simulations.

July, 1974 to July 1976 - Staff Physicist at the Sammons Cancer Center of Baylor University Medical Center in Dallas, Texas

Duties: Assisted Senior Physicist in all aspects of medical physics for large medical center and in outside consulting in North Texas. I taught residents, therapists, and dosimetrists in Physics. I did treatment planning using a PC 12 system. Other equipment used included Cobalt units, Cesium teletherapy unit, an orthovoltage unit, Clinac 4, Clinac 18, 2MV resonant transformer x-ray unit, and

planning for Varian's first dual energy accelerator, the Clinac 2500. I was involved in Radium tube and needle implants

April, 1972 to April, 1974 - Scientific Officer for the Cancer Institute of Victoria in Australia

Duties: The Cancer Institute treated all radiation therapy patients in the states of Victoria and Tasmania, being one of the largest such organizations in the world. While there, I worked in Melbourne, Victoria and Launceston, Tasmania as a radiation physicist. Projects I worked in were hypobaric treatments, electron beam arcs, compensator filters and nuclear medicine. I worked with a MEL accelerator, two Philips accelerators, a Cobalt unit, many orthovoltage units and superficial units. I was involved in Radium and Radon implants with needles, tubes, and gas cylinders.

August, 1969 to December, 1971 - Acting Chief of the Ionizing Radiation Section of the Bureau of Radiological Health, Department of Health, Education and Welfare while serving in the U.S. Public Health Service, attaining the rank of Lt. Commander.

Duties: Supervised ten scientists in basic measurements of ionizing radiation. My specialty was multi-channel analyzers and NaCl crystal spectroscopy.

EDUCATION:

August, 1966 - Bachelors degree from Baylor University with Physics major and Mathematics minor

August, 1968 - Master of Science degree from the University of South Carolina with Physics major

September, 1968 to July, 1969 - Continued studies at the University of South Carolina in Ph.D. program

August 2003 - Doctor of Philosophy degree from Suffield University with major in Physics

The American Board of Radiology

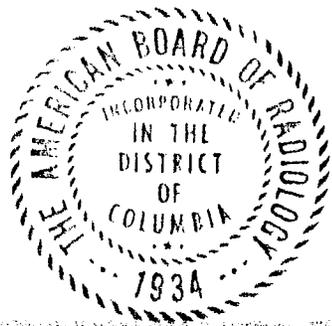
*Organized through the cooperation of the
American College of Radiology, the American Roentgen Ray Society,
the American Radium Society, the Radiological Society of North America,
the Section on Radiology of the American Medical Association
and the American Society of Therapeutic Radiologists
Hereby certifies that*

Ray Allen Els, M.S.

*Has pursued an accepted course of graduate study
and clinical work, has met certain standards and qualifications and
has passed the examinations conducted under the authority of
The American Board of Radiology*

On this ninth day of December, 1977

*Thereby demonstrating to the satisfaction of the Board
that he is qualified to practice the specialty of
Radiological Physics*



Sidney W. Nelson
President

C. Allen Good
Secretary





Texas Board of Licensure for Professional Medical Physicists

DOES HEREBY CERTIFY THAT

Ray Allen Els

LICENSE/CERTIFICATION
REP: *[Signature]*
2/14/09

meets the qualifications established in Texas Occupations Code, Chapter 602, to practice medical physics and is authorized to employ the title

Licensed Medical Physicist

in the State of Texas, so long as this certificate is not revoked or suspended and is renewed according to applicable law and rules

Authorized for:

- Diagnostic Radiological Physicist
- Therapeutic Radiological Physicist
- Medical Nuclear Physicist
- Medical Health Physicist

License Number MP0041
Effective 10/20/1992

INVALID WITHOUT
CURRENT RENEWAL CARD



Texas Board of Licensure for
Professional Medical Physicists

certifies that the person identified below is a

Licensed Medical Physicist
Ray Allen Els

License Number MP0041
Control Number 1134

Expires 10/20/2008

[Signature]
Cardholder Signature

[Signature]
Presiding Officer

Suffield University

The Trustees of Suffield University
Upon recommendation of the faculty
Have conferred upon

Ray Allen Els

The degree of

Doctor

of

Physics

And is awarded this diploma

With all the honors and privileges pertaining thereto.

In testimony whereof the signatures of the Chairman of the Board of Trustees
and the President of Suffield University have been affixed this,
Twenty-Fifth Day of August, Two Thousand and Three.

Gerald J. Becker

President

Karen V. Warner

Chairman of Board of Trustees

LICENSE/CERTIFICATION
R REP: *M. A. Smith*
DATE: *8/14/03*



University of South Carolina



Know all men by these presents

That the Board of Trustees by virtue of authority vested in them by the State of South Carolina upon recommendation of the Faculty of the

Graduate School

have conferred upon

Ray Allen Els

the degree of

Master of Science

together with all the rights, honors, privileges, and responsibilities to that degree appertaining.

Given at Columbia, South Carolina this 25th day of August in the year of Our Lord one thousand nine hundred and sixty-eight and of the University the one hundred and sixty-third.

Thomas F. Jones
President

James Davis
Dean



Robert McWain
Presiding Officer, Board of Trustees

John R. Welch
Secretary of the Trustees

Baylor University

by the authority of the State of Texas vested in the Board of
Trustees of Baylor University and upon recommendation of
the Faculty thereof the degree of

Bachelor of Arts

is conferred upon

Ray Allen Els

Issued by Baylor University at Waco, Texas.

August 26, 1966

Hilton E. Howell
President of the Board of Trustees

H. Hart Grace
Secretary of the Board of Trustees



Abner V. McCall
President of the University

E. M. Smith
Dean of the College