

# RIVERSIDE METHODIST HOSPITAL

3535 Orientangy River Rd.  
Columbus, Ohio 43214  
(614) 261-5000

Erie Chapman III, J.D.  
President and  
Chief Executive Officer

August 15, 1985

U.S. Nuclear Regulatory Commission  
Region III  
Section of Materials Licensing  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Attention: Ms. B.J. Holt

RE: License # 34-01055-01  
Amendment #62  
Your letter dated: 7-17-85  
Our request dated: 6-24-85

NOTE: THIS IS ADDITIONAL INFORMATION; NOT A NEW AMENDMENT REQUEST

Dear Ms. Holt:

Kindly refer to item #2 of your letter dated July 17, 1985  
pertaining to Dr. Ralph Kennaugh's experience with Phosphorus-32.

In this connection, please refer to paragraph #1 of page #3 of the Curriculum Vitae of Dr. Kennaugh. During this period of June 1974 through February 1978, he has received not less 80 hours of didactic lectures and training, as a resident, in basic radioisotopes handling techniques applicable to the use of unsealed sources for radiotherapy procedures. Further, as per paragraph #1 of page #2 of the Vitae, as an Asst. Professor in the Division of Therapeutic Radiology of the Department of Radiology at the University of Colorado Health Sciences Center, he has actually been responsible for at least 4 cases each of Soluble and Colloidal Phosphorus-32 applications on humans (please refer to NRC-313M Supplement-B submitted previously).

Under these circumstances, please authorize him to handle P-32 in Soluble and Colloidal forms for treatment of cancer.

You may ignore the request for authorization to handle I-131 compounds.

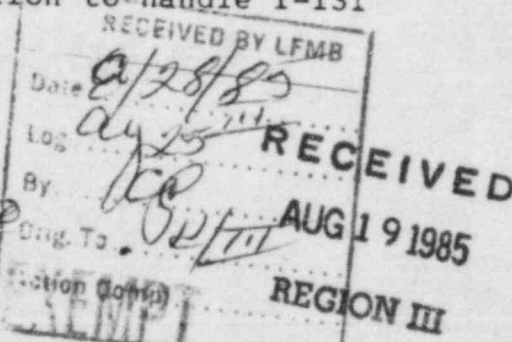
Thanking you,

Sincerely,

*S. Jayaraman*  
S. Jayaraman, Ph.D.  
Radiation Safety Officer

Enclosure: 1. Biodata of Dr. Ralph Kennaugh (2 copies)

CONTROL NO. 7 9593



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## CURRICULUM VITAE

RALPH CHRISTOPHER KENNAUGH, M.B., Ch. B.  
222 Rustic Place  
Columbus, Ohio 43214  
614/268-4337 (R)  
614/261-5560 (B)

## EDUCATION

Falcon College, Bulawayo, Zimbabwe: AEB GCE O-levels achieved December 1963.  
AEB GCE A-levels achieved in 1964.

University of Cape Town: Degrees (M.B., Ch.B.) achieved in medicine and surgery  
December 1970.

Gained Colorado State Board Examination (FLEX), June 1980

Medical License to practice in the State of Colorado, August 1980. License NO. 23405

Board Certified in Radiation Therapy in June 1982.

Medical License to practice in the State of Ohio, July 1984. License No. 51061

Hold Medical License to practice in United Kingdom and Republic of South Africa.

## EXPERIENCE

July 1, 1984 To present: Medical Director, Department of Radiation Medicine at  
Riverside Methodist Hospital, Columbus, Ohio.

The Director of Radiation Medicine is responsible for the irradiation therapy delivered in the Department of Radiation Medicine at this Hospital, which contains 1100 beds. There are two treatment machines a Clinac 18 and a Clinac 14 and a simulator. Curative and palliative irradiation is undertaken together with intracavitary and interstitial work and we estimate to treat a minimum of 777 patients this year. In addition, In-services lectures are given to general physicians and specialist physicians and radiological medical students rotating thru the Department on a regular basis. There is a weekly Tumor Board Conference for the benefits of residents, interns and referring physicians where two patients are presented for teaching and diagnosis. The Department is a two radiation oncologists Department at this time. In addition, I have a full time appointment on the Medical Education Committee, Radiation Safety Committee, Radiology Quality Assurance Committee, Executive Committee of the Clinical Oncology Program, a member of the Administrative Staff of Riverside Methodist Hospital, and I am on the Hospice Task Force for the same Hospital. I will be moderator at Tumor Board at RMH for December 1984.

March 1980 to June 30,  
1984

Assistant Professor, Division of Therapeutic Radiology,  
Department of Radiology, University of Colorado Health  
Sciences Center, Denver, Colorado.

Duties encompassed primary care and prescription of radiation therapy, teaching in clinical radiation therapy and patient cancer management and academic research in cancer and patient related care. Lecturing was at both the undergraduate and postgraduate levels. I attended Medical Board meetings, rotating with the Department Chairman, sat on the Tumor Boards at University Hospital, Denver Veterans Administration Medical Center, and Rose Medical Center, and served on the Prospective Payment System Task Force and the Management Review Committee. Other activities included participation on the Medical Records Committee (one of seven statutory and permanent committees of the Hospital), membership on the Cancer Committee and founding member of the Air-ICU Task Force: a group established to investigate the feasibility of an Air-ICU service, study the necessary components of such a service, i.e., financing, staffing, marketing, etc., and wrote a request for proposal for the service. I had also been the Radiology Department coordinator for the screening of faculty applications for King Saud University College, RYADH, and worked to promote the liaison between the two universities. Staff affiliations in Denver included those with Denver Veterans Administration Medical Center, Rose Medical Center, and Denver General Hospital. Member of Hospice of St. John Board of Directors, was actively engaged in the management and initial purchase of building, application for certificate of need of this non-profit hospice facility. Instrumental in obtaining a memorandum of understanding and working agreement between the Hospice and University Hospital.

February 1978 to  
February 1980:

Assistant Radiation Oncologist, Cancer Control Agency of  
British Columbia, Vancouver, British Columbia, Canada.

This position involved the direct primary care of all patients with cancer and the total treatment of those patients who were admitted under my care. Their radiation treatment was planned, prescribed and directed by myself. Clinical research and teaching were incorporated into the program.

- June 1974 to  
February 1978: Resident in Radiation Oncology, Groote Schuur Hospital,  
Cape Town, R.S.A.
- This resident position provided instruction in basic sciences, including physics, machine construction, isotopes, statistics and radiobiology as well as instruction and participation in modalities of irradiation, chemotherapy and immunotherapy. The radiation therapists in this setting delivered all chemotherapy, except for blood malignancies, in addition to the irradiation therapy. Resident training was in these protocols. During my tenure I originated and was chairman of the Junior Hospital Doctors Association of Cape Town.
- July 1973 to  
May 1974: Medical Officer in Medicine and Surgery, Frere Hospital,  
East London, Cape, R.S.A.
- There are five surgical and medical teams in this 900 bed facility, the only full service hospital in the whole of the Eastern Cape. I was full-time hospital appointee given the management of one of the teams. The duties included dealing with both inpatients and outpatients, all medical emergencies, and complete management of all patients on my team. During this appointment I received instruction in all forms of surgery, including pediatric, general, plastic, neurological and thoracic from specialists in charge of the relevant specialties.
- April 1973 to  
June 1973: General Practice - Locum Tennes, Westonaria, Transvaal,  
R.S.A., and Victoria West, Cape Province, R.S.A.
- September 1972 to  
February 1973: Dublin, Ireland.
- Attended the course for the Primary Fellow of the Royal College of Surgeons in Ireland examination.
- August 1972: General Practice - Locum Tennes, Westonaria, Transvaal,  
R.S.A.
- February 1972 to  
July 1972: Trauma Unit Resident, Groote Schuur Hospital, University of  
Cape Town, R.S.A.
- This appointment involved primary care of all traumatic injuries as they arrived at the Hospital. The unit was designed to handle all trauma and especially multiple injuries. General casualty was covered by the same residents and there were special consultants available at all times.
- January 1971 to  
December 1971: Intern in Medicine and Surgery, Frere Hospital, East  
London, Cape, R.S.A.
- Duties in this intership included management of the ward,

direct care of the inpatients, attendance in the outpatient department and care of all emergency and routine admissions to the wards.

#### PUBLICATIONS

Carbon Tetrachloride Overdosage - S.A.M.J., April 5, 1975.

Cyclophosphamide, Vincristine, Lomustine, Cis-Platinum and Doxorubicin in the treatment of Non-small Cell Lung Cancer - 1983.

#### PAPERS SUBMITTED FOR PUBLICATION

Total Lymphoid Irradiation Technique for Treatment of Hurler's Syndrome.

#### PAPERS ACCEPTED FOR PUBLICATION

Treatment of Refractory Chronic Demyelinating Polyneuropathy with Lymphoid Irradiation.

#### PAPERS PRESENTED

Early Carcinoma of the Larynx: Radiation Therapy Meeting, Durban, Natal, R.S.A. 1976

P-32 for Carcinoma of the Ovary: Radiation Therapy Meeting, Johannesburg, Transvaal, R.S.A., 1977.

Treatment of Refractory Chronic Demyelinating Polyneuropathy with Lymphoid Irradiation.

#### CLINICAL RESEARCH PROTOCOLS IN PROGRESS (registered as collaborator and co-author in all listed protocols)

Total Lymphoid Irradiation for Hurler's Disease Followed by Bone Marrow Transplantation.

Total Lymphoid Irradiation In Progressive Demyelinating Polyneuropathy.

Total Lymphoid Irradiation in the Treatment of Autoimmune Disease - Progressive Systemic Sclerosis.

Total Lymphoid Irradiation in the Treatment of Polymyositis.

Hyperthermia Protocol - Fractionation and Hyperthermia in Metastatic Disease in Patients.

Non-Oat Cell Carcinoma of the Lung - Chemotherapy, Surgery and Irradiation in a Combined Modality Approach.

Advanced Head and Neck Cancer - A Combined Approach for Stage III and IV Disease.  
Large Single Fraction Radiation Treatment for Advanced Chest or Abdominal Malignancy.  
The Effect of Ectorin on Radiation Esophagitis - A Double Blind Controlled Study.

PERSONAL

Date of Birth: April 25, 1947.

Place of Birth: Johannesburg, Transvaal, Republic of South Africa.

CONTROL NO. 7 9593