



ARM2.950131.001
WALTER REED ARMY MEDICAL CENTER
WASHINGTON 12, D. C.

IN REPLY REFER TO
MEDEC-GPS

FEB 7 1964

SUBJECT: Radioisotopes in Human Use Activities RCS MED-197

TO: The Surgeon General
ATTN: MEDPS-PO
Department of the Army
Washington, D. C. 20315


1. In compliance with par 4a, AR 40-37, the following data is forwarded:

- a. Minutes of Radioisotope Committee meeting with 1 Incl.
- b. Certification of individuals using radioisotopes containing training and experience records of users.
- c. Copy of SO 13, WRAMC, dated 16 Jan 63, appointing Health Physics Officer.
- d. Copy of SO 227, WRAMC, dated 23 Oct 63, appointing Radioisotope Committee.
- e. DF stating quantities of radioisotopes procured, used, in storage, and disposed of.

2. This correspondence is marked "FOR OFFICIAL USE ONLY" solely because of the addition of inclosure 1 to inclosure 1. When this inclosure is removed the markings may be cancelled.

FOR THE COMMANDER:

Incls
as


W. V. DAVIS
Lt Col, MSC
Adjutant

~~FOR OFFICIAL USE ONLY~~

Unclassified

HEADQUARTERS
WALTER REED ARMY MEDICAL CENTER
WASHINGTON, D.C.

JAN 10 1964

1. The meeting of the Radioisotope Committee, as appointed by WRAMC Special Order 227, dated 23 Oct 63, was held in the WRAMC Conference Room at 1000 hours on 10 Jan 64. The following members were present:

Maj Gen A. L. Tynes, MC, CG, WRAMC, Chairman
Col Donald Campbell, MC, Chief, Professional Svcs, WRGH
Col H. C. Harrell, MC, Chief, Radiology Svc, WRGH
Col Nelson Irely, MC, Chief Pathology Svc, WRGH
Col Albert Bauer, MC, Chief, Radiation Therapy Sec, WRGH
Col Marion A. Ware, MSC, Director, Logistics Div, WRAMC
Lt Col W. D. Holland, MSC, Health Physics Officer, WRAMC
Lt Col David C. White, MC, Chief, Radiation Pathology Br, AFIP
Maj Marcel Conrad, MC, Division of Medicine, WRAIR
Maj John C. Maier, MC, Division of Nuclear Medicine, WRAIR
Maj G. S. Johnston, MC, Chief, Radioisotope Sec, WRGH
Lt. Duncan VanDusen, MSC, Adjutant, WRGH, Recorder (for Capt Doble)

The meeting was called to order by Colonel Dale L. Thompson, Executive Officer, WRAMC, who announced that the Chairman would be detained. The importance of this Committee and its subcommittees was emphasized by Colonel Thompson before he turned the meeting over to Colonel Campbell, who presided until General Tynes arrived.

2. Colonel Campbell emphasized the importance of the Committee as the "watch dog" over the use of radioactive materials. As this was the first meeting of the Committee as appointed on 23 Oct 63, its responsibilities (AR 40-37, para 3d), were read. The minutes of the last meeting, held on 24 June 63, were read by Lt. VanDusen. Colonel Bauer and Lt. Colonel Holland discussed the topics of the last meeting in order to bring members up to date on status of motions and suggestions made. All regulations were being followed. The minutes were approved and accepted as read.

3. Colonel Holland submitted to the new Committee a copy of WRAMC Special Order 13, dated 16 January 1963, appointing him Health Physics Officer.

4. Applications for Use of Radioactive Material

a. The procedures for approval of users was reviewed and is as follows: The Atomic Energy Commission licenses the Commanding General, WRAMC as the user, and the Committee controls who uses the radioisotopes. Each user must submit his application for approval by the Committee.

FOR OFFICIAL USE ONLY

(These minutes are marked as above because of Inclosure 1.
If Inclosure is removed, marking may be cancelled.)

~~FOR OFFICIAL USE ONLY~~

b. Colonel Holland submitted Application for Use of Radioactive Material for the following users:

Col Albert J. Bauer, MC (and all radiology residents) WRGH
Lt Col Kevin G. Barry, MC, WRAIR
Maj Marcel E. Conrad, MC, WRAIR
Maj Thomas E. Farrell, MC, WRGH
Maj Gerald S. Johnston, MC, WRGH
Maj John G. Maier, MC WRAIR
Maj Richard C. Reba, MC, WRAIR
Maj Thomas W. Sheehy, MC, WRAIR
Maj James H. Shinaberger, MC, WRAIR
Maj Henry T. Uhrig, MC, WRAIR
Capt Jack W. Coburn, MC, WRAIR
Capt Roger A. Ewald, MC, WRAIR
Capt W. G. Glinsmann, MC, WRAIR
Capt Jack K. Herrington, MC, WRGH
Capt Hubert A. Mayes, MC, WRGH
Capt Lawrence C. McHenry, Jr., MC, WRAIR
Capt Simeon Pollack, MC, WRAIR
Capt Richard Ritter, MC, WRGH
Capt Franklin D. Schwartz, MC, WRAIR
Capt M. T. Scurry, MC, WRAIR
Capt Leroy Sheer, MC, WRAIR
Capt Gale E. Thompson, MC, WRGH
Capt Lewis R. Weintraub, MC, WRAIR

c. All applications were approved after they were individually considered. Copies of approved applications are to be included in each officer's official 201 file so that they will follow the user should he be transferred.

5. Colonel Holland submitted a DF to the Committee stating the amounts of radioisotopes procured, used, in storage, and disposed of during the period 1 October through 31 December 1963.

6. Reference AR 40-37, para 4a5, Colonel Bauer presented a progress report on Major Farrell's project using I-131 Ethiodol in the treatment of patients with testicular tumors. Use of this material was previously approved by the Committee.

7. General Tynes discussed the safety of the nuclear reactor located in WRAIR. A certain individual had questioned the construction of the reactor. The Engineers made a report (not in writing) that it was safe. A written report on the safety of the reactor was made by the Department of the Army. The individual who made the complaint has been discredited. The DA report is a part of the minutes of this meeting.

8. Non-human uses of radioisotopes.

a. Major Conrad discussed his animal research projects using radioisotopes.

b. Major Maier discussed the following two projects:

- (1) Metabolism - evaluating kidney functions in dogs.
- (2) Iron turnover studies in anemia (non-human).

A project is being planned to produce Fluorine-18 in the WRAIR reactor. It will be used for bone scanning in dogs. These studies may indicate that Fluorine-18 can be used to diagnose metastatic bone lesions. If this proves true, a request for human use will be submitted to the Committee. This will be a first attempt to make a radioisotope in the WRAIR reactor that perhaps can be used in a patient. There are many future possibilities for the use of short-lived radioisotopes that must be produced locally rather than purchased.

9. General Tynes queried the group as to the training of new residents or interested physicians in the use of radioisotopes. Colonel Irely stated that many pathology residents are now required by the American Board of Pathology to have training in the use of radioisotopes. Doctor Seelye of the American Medical Association suggested that pathology residents gain experience in radioisotopes. As a result, two senior residents are beginning a nine-day course downtown with Doctor Hunter.

Colonel Harrell mentioned that in the future provisions will be made in practically all of the new Army hospitals for the use of radioisotopes.

Colonel Bauer stated that an attempt is being made to begin a residency program for radiological physicists at Walter Reed General Hospital. We have one physicist in training now who should be certified by the Board. He is a MSC officer who has a masters degree in physics. There will be a greater demand in the future for radiological physicists, and the Army has none certified at present. Certification requires a BS and two years of training. We should like two men in training for two years, with one man graduating each year. There is a need now and greater demand in the future at all Class II installations for certified radiological physicists.

Colonel Harrell stated that there is no formal radioisotope training for enlisted personnel. We cannot get them a MOS and we lose those interested because they cannot be promoted. This problem has been mentioned many times before. A MOS cannot be established unless there is a need for 50 enlisted men. Alternative is to hire civilians as others do. Civilians would have to be given at least a grade 8 or 9, and this would be expensive. There is some on-the-job training, but this is not sufficient to meet the demands.

10. General Tynes thanked the Committee members and stated that he would like to be kept informed on the status of all projects utilizing radioisotopes.

11. There being no further business, the meeting adjourned at 1110 hours.



A. L. TYNES
Major General, MC
Chairman



DUNCAN VAN DUSEN
1st Lieutenant, MSC
Recorder

MEDEC

HEADQUARTERS
WALTER REED ARMY MEDICAL CENTER
WASHINGTON 12, D.C.

C/G -----
DHC -----
E/O -----
Adj -----
ASST Adj -----
SGT MAJ -----
FILE January 1963

SPECIAL ORDERS
NUMBER 13

E X T R A C T

9. LT COL WILLIS D HOLLAND 066021 MSC rept this Hq 15 Jan 63 in compl with par 113 SO 287 DA dtd 26 Nov 62 asg eff 15 Jan 63 Hq WRAMC (3401) this sta for duty as Health Physics Officer (Pdy 3308).

10. TC 402. By order of SA fol indiv RELIEVED FROM ACTIVE DUTY not by reason of phys disability eff on EDCSA. On date immediately fol EDCSA indiv trf to USAR Con Gp as indic. TDN 2132010 01-1761 P1517 899-999.

MACK, DAVID L US52523552 SP4 E4 152.10 MHC WRGH (3401.01) WRAMC (atch Troop Comd WRAMC)

Res asg: USAR Con Gp (Annual Tng) XXI US Army Corps Indiantown Gap Mil Res Annville Penna

Res SN, gr, basic br, comp: ER52523552 SP4 E4 ARTY USAR

HOR: Reisterstown Md; Perm adrs: 214 New Ave Reisterstown Md

Pl OAD: Baltimore Md; Last perm dy sta: APO 24; MOP & READJP: NA

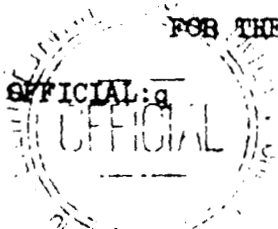
ACLV: Lump sum payment auth; No yrs svc pay gr E4: 1 yr total svc

UMTS Act oblg: 6 yrs; Auth: Par 8 AR 635-205

SPN: 412; EDCSA: 18 Jan 63; Sp instr: DD Form 214 WBI

* * *

FOR THE COMMANDER:



H C KNOWLTON
MAJOR MSC
Adjutant

H C KNOWLTON
MAJOR MSC
Adjutant

DISTRIBUTION: "E" plus Chief Nurse (3); TC (15); Mil Pers (35); WRAIR (5); Lt Col Holland Health Pysics Off (FG) (5); Hq WRAMC (20); SGO USA Enl Br - MPD (1)

MEDEC

HEADQUARTERS
WALTER REED ARMY MEDICAL CENTER
WASHINGTON D.C. 20012

SPECIAL ORDERS
NUMBER 227

E X T R A C T

23 October 1963

9. TC 350. Following indivs APPOINTED

Hq WRAMC

Commanding General (Chairman)
Preventive Medicine Officer
Director Logistics Division (Nonvoting member)
Health Physics Officer

WRGH

Chief, Professional Services
Chief, Dept of Medicine
Chief of Pathology
Chief, Radiology Service
Chief, Radiation Therapy
Chief, Radioisotope Clinic
Admin Asst to Ch, Prof Services (Recorder)
Chief, Radiation Therapy

WRAIR

Dir, Division of Medicine (w/concurrence Dir WRAIR)
Dir, Div of Nuclear Medicine (w/concurrence Dir WRAIR)

AFIP

Chief, Radiation Pathology Branch (w/concurrence Dir AFIP)
Apt to: Radioisotope Committee; Eff date: 14 Oct 63; Pd: Indef; Purpose:
To discharge the responsibilities listed in Par 3d AR 40-37 13 Aug 63 and AR
40-580 1 Feb 57. The Isotope Committee appointed by Par 37 SO 143 this Hq
1961 is dissolved without prejudice. Auth: AR 40-37 13 Aug 63 and AR 40-580
1 Feb 57. (VOCG cfm date: 14 Oct 63).

10. TC 350. Fol indivs APPOINTED.

Dir of Nuclear Medicine WRAIR (w/concurrence Dir WRAIR)
Health Physics Officer WRAMC

Apt to: Radioisotope Subcommittee; Eff date: 14 Oct 63 (VOCG cfm date: 14 Oct
63); Pd: Indef; Purpose: To accomplish matters referred to it by the
Radioisotope Committee estab by Par 9 SO 227, 63 pertaining to non-Human use
of Radioisotopes. The Radioisotope Committee appointed by Par 10 SO 153
this Hq 1 Aug 61 is dissolved without prejudice. Auth: AR 40-580.

Chief, Radiation Therapy WRGH
Chief, Radioisotope Clinic WRGH
Health Physics Officer, WRAMC

Apt to: Radioisotope Subcommittee; Eff date: 14 Oct 63 (VOCG cfm date: 14
Oct 63); Pd: Indef; Purpose: To accomplish matters referred to it by the
Radioisotope Committee estab in Par 9 SO 227 this Hq cs pertaining to Human
use of Radioisotopes. The Radioisotope subcommittee appointed by par 10 SO
153 this Hq 1 Aug 61 is dissolved without prejudice; Auth: AR 40-37.

Incl 4

(over)

FOR THE COMMANDER:

OFFICIAL:

W V DAVIS
LT COL, MSC
Adjutant

W V DAVIS
LT COL, MSC
Adjutant

DISTRIBUTION: "E" plus Chief Nurse (3); Mil Pers (100); TC (20); WRAIR (20); five (5) copies to each member in Par 9; five (5) copies to each member in Par 10; 50 to the Recorder in Par 9; Hq WRAMC (20); SGO Enl Br-MPD (1).

DISPOSITION FORM

(AR 340-15)

OFFICE SYMBOL OR FILE REFERENCE

SUBJECT

MEDEC-RS

Radioisotopes - Human Use

TO Health Physics Officer
WRAMC

FROM Ch, Admin & Svc Br
Health Physics Office
WRAMC

DATE 9 January 1964 CMT 1

1. The following data relate to the radioisotopes in human use at WRAMC for the period 1 Oct. thru 31 Dec 63.

a. Isotopes used: H-3, P-32, Ca-47, Cr-51, Co-57, Fe-59, Se-75, Kr-85, I-125, I-131, Hg-197, Au-198.

b. Total Amount Procured: 2,117.92 millicuries

c. Total Amount Used: 2,314.31 millicuries

d. Total Amount Disposed of: 135.68 millicuries

e. Total Amount Remaining in Storage: 610.90 millicuries (as of Quarterly Inventory 18 Dec 63)

2. In addition to the radioisotopes listed in paragraph 1, the following type sources were used in external application for human uses: Co-60, Sr-90, Ra-226, Rn-222.

James E. Roy, Jr.

JAMES E. ROY, JR.

Captain, MSC

Chief, Admin & Svc Br

Health Physics Office

WRAMC

James E. Roy, Jr.
DA FORM 2496

1 FEB 62

REPLACES DD FORM 96, EXISTING SUPPLIES OF WHICH WILL BE ISSUED AND USED UNTIL 1 FEB 63 UNLESS SOONER EXHAUSTED. * U.S. GOVERNMENT PRINTING OFFICE: 1962 O-629163