

*New file*

RADIOLOGY SERVICE  
FITZSIMONS GENERAL HOSPITAL  
U. S. ARMY  
DENVER, COLORADO, 80240

IN REPLY REFER TO

MEDEO X

16 April 1965

ARM2.950127.011b

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

SUBJECT: Quarterly Report of the Fitzsimons General  
Hospital Radioisotope Committee

The Following material comprises the Radioisotope Committee Quarterly  
Report in accordance with AR-40-37.



HERBERT F. JOHNSON  
Major MC  
Recorder, Radioisotope Committee

ADDRESS ALL COMMUNICATIONS TO THE COMMANDING GENERAL  
FITZSIMONS GENERAL HOSPITAL  
"BUY AND HOLD U.S. SAVINGS BONDS"

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## MINUTES OF RADIOISOTOPE COMMITTEE MEETING

The sixth meeting of the Radioisotope Committee, Fitzsimons General Hospital, was called to order at 1326 hours 6 April 1965, in the Research and Development Conference Room, USAMRNL, Building 603. Colonel Arthur Steer, MC, Chief, Pathology Service, presided as Chairman.

All members were notified of the meeting. Members present were:

Colonel Arthur Steer, MC, Chief, Pathology Service  
Lt. Col. John E. Canham, MC, Commanding Officer, USAMRNL  
Major Gerald DeNardo, MC, Chief, Radioisotope Section,  
Radiology Service  
Major Herbert F. Johnson, MC, Post Radiation Safety Officer  
Capt. Kenneth E. Kinnamon, VC, Chief, Radioisotope Section,  
USAMRNL

Members absent were:

Chief, Department of Surgery  
Chief, Department of Medicine  
Chief, Radiology Service  
Chief, Supply and Service Division

Motion was made and approved that reading of the minutes of the previous meeting of the Radioisotope Committee be waived.

There was no old business to discuss.

### NEW BUSINESS:

1. Application was submitted requesting Capt. Martin I. Surks, MC, be certified as user for nonhuman use of Iodine I-131 and Iodine I-125 in amounts specified on application. Certification was approved by the Committee, and application is attached hereto as Appendix I.
2. Application was submitted requesting 1st Lt. William H. Amos, Jr., be certified as user for nonhuman use of Carbon-14 and Phosphorus-32 in amounts specified on application. Requested certification was approved by the Committee, and application is attached hereto as Appendix II.
3. Application was submitted requesting 1st Lt. Rardon D. Bevill, III (Ph. D.), be certified as user for nonhuman use of Sulphur-35, Carbon-14, and Hydrogen-3 in amounts specified in the application. Requested certification was approved by the Committee, and application is attached hereto as Appendix III.
4. Reports of radioisotopes procured, on hand, and disposed of during quarter 1 January through 31 March 1965 were submitted by the Radiological

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Safety Officer. At no time were these amounts in violation of AEC requirements. The reports were approved by the Committee and are attached as Appendix IV.

5. Capt. Kinnamon informed the Committee of the USAMRNL's intention to purchase a gamma irradiation source, "The Gammacell 220," made by the Atomic Energy of Canada, Limited, since no comparable unit can be purchased in the United States. The project was approved by the Radioisotope Committee, and the USAMRNL is to proceed with the necessary steps as indicated in the project.

6. It is agreed that the next meeting of the Radioisotope Committee will be held at 1315 hours, Tuesday 6 July 1965 in the Bruns Room.

The meeting adjourned at 1400 hours.



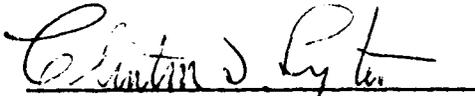
HERBERT F. JOHNSON  
Major, MC  
Recorder, Radioisotope Committee

APPROVED: Radioisotope Committee  
Fitzsimons General Hospital



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ARTHUR STEER  
Colonel, MC  
Chairman, Radioisotope Committee



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CLINTON S. LYTER  
Major General, MC  
Commanding

## RADIOISOTOPES PROCURED DURING QUARTER 1 JANUARY 1965 - 31 MARCH 1965

<u>RADIOISOTOPE</u>	<u>TOTAL ACTIVITY</u>
Sr-85 Strotape	2.5 mc
Fe-59 Radio Ferrous	0.05 mc
I-131 Raovin	1.0 mc
Co-57 Cyanocobolamin	2.5 uc (5 capsules)
I-131 Rose Bengal	1.0 mc
I-125 Serum Albumin	2.0 mc
I-125 Hippuran	3.0 mc
I-131 Hippuran	7.0 mc
I-131 Oriodide	192.0 mc
I-131 Cholografin	38.0 mc
Cr-51 Rachromate	30.0 mc
Hg-203 Neohydrin	40.0 mc
P-32 Sodium Phosphate	151.0 mc
Hg-197 Neohydrin	1.0 mc
Th-170 Thullium	200.0 mc
Xe-133 Xenon	6.0 curies
Vitamin B-1-C-14	500 uc
L-Ascorbic Acid-1-C-14	300 uc
Nicotinamide-7-C-14	200 uc
D-Glucose-C-14	100 uc
DL-Aspartic-3-C-14 Acid	50 uc
DL-Aspartic-4-C-14 Acid	50 uc
DL-Glutamic-2-C-14-Acid	50 uc
L-Lysine-C-14	50 uc
Radio-L-Thyroxine (I-131)	500 uc
Sodium Radio Iodine (I-131)	2.0 mc
Cholesterol-4-C-14	100 uc
L-Aspartic-C-14 Acid	100 uc
L-Glutamic-C-14 Acid	100 uc
L-Alamine-C-14	100 uc
D-Glucose-C-14	100 uc
Radio-L-Thyroxine (I-131)	500 uc
Radio-L-Thyroxine (I-131)	500 uc
Radio-L-Thyroxine (I-131)	500 uc
Sodium Iodide (I-131)	1.0 mc
L-Ascorbic Acid-1-C-14	500 uc
Nicotinamide-7-C-14	200 uc
Nicotinic-7-C-14 Acid	200 uc
D-Glucose-C-14	100 uc
Sodium Iodide-I-131	1.0 mc
D-Glucose-C-14	100 uc
D-Glucose-1C-14	50 uc
D-Glucose-6-C-14	50 uc
Sodium Iodide-I-131	2.0 mc
Disodium Phosphate-P-32	5.0 mc
Nicotinamide-7-C-14 Acid	300 uc
Nicotinic-7-C-14 Acid	300 uc
D-Glucose-C-14	50 uc

*Herbert F. Johnson*  
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 Major MC  
 Radiological Safety Officer

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RADIOISOTOPES ON HAND AS OF 31 MARCH 1965

<u>ISOTOPE</u>	<u>AMOUNT</u>
Calcium-45	1.175 mc
Carbon-14	80.5 mc
Carbon-14 Standard Source	.173 mc
Chromium-51	<1.0 uc
Cobalt-60	<1.0 uc
Iodine-125	.074 mc
Iodine-131	1.56 mc
Iron-59	<1.0 uc
Molybdenum-99	<1.0 uc
Phosphorus-32	3.7 mc
Rubidium-86	4.0 uc
Strontium-89	.194 mc
Strontium-90	<1.0 uc
Sodium-22	.37 mc
Sulfur-35	.014 mc
Sulfur-35 Standard Source	<1.0 uc
Thallium-204	<1.0 uc
Hydrogen-3	4.0 curies
Hydrogen-3 Standard Source	<1.0 mc
Uranium, natural	.57 mc
Zinc-65	.924 mc
Sr-85 Strotape	1.116 mc
Se-75 Sethotope	0.799 mc
I-125 Serum Albumin	0.46 mc
I-125 Hippuran	0.72 mc
Cr-51 Rachromate	1.4 mc
Fe-59 Ferrous Citrate	0.036 mc
I-131 Hippuran	0.33 mc
I-131 Cholegrafin	0.99 mc
I-131 Oriodide	8.0 mc
Hg-203 Neohydrin	7.6 mc
P-32 Sodium Phosphate	7.1 mc
Th-170 Thullium	200 mc
Xe-133 Xenon	100 mc

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SEWAGE DISPOSAL OF RADIOISOTOPES DURING QUARTER 1 JANUARY 1965 - 31 MARCH 1965

<u>RADIOISOTOPE</u>	<u>DATE DISCARDED</u>	<u>TOTAL ACTIVITY</u>
C-14, LSC vials	4 Jan 65	10 uc
S-35	6 Jan 65	10 uc
C-14	6 Jan 65	5 uc
C-14	6 Jan 65	35 uc
Sr-89	6 Jan 65	5 uc
Ca-45	7 Jan 65	1 uc
I-131	7 Jan 65	1 uc
Rb-86	7 Jan 65	1 uc
C-14	7 Jan 65	200 uc
I-131 Standard+Tracer Doses	8 Jan 65	96 uc
C-14	11 Jan 65	200 uc
I-131 Standard+Tracer Doses	12 Jan 65	40 uc
Au-198	12 Jan 65	42 uc
C-14	13 Jan 65	100 uc
C-14	13 Jan 65	10 uc
C-14	13 Jan 65	10 uc
C-14	13 Jan 65	5 uc
I-131	14 Jan 65	100 uc
I-131 Standard+Tracer Doses	15 Jan 65	40 uc
C-14	18 Jan 65	125 uc
C-14	18 Jan 65	20 uc
C-14	18 Jan 65	100 uc
C-14	18 Jan 65	25 uc
I-131 Standard+Tracer Doses	22 Jan 65	100 uc
Au-198	22 Jan 65	50 uc
C-14	28 Jan 65	200 uc
C-14	28 Jan 65	10 uc
I-131 Standard+Tracer Doses	29 Jan 65	96 uc
Rb-86	31 Jan 65	25 uc
C-14	31 Jan 65	200 uc
C-14	1 Feb 65	200 uc
C-14	1 Feb 65	10 uc
I-131 Standard+Tracer Doses	2 Feb 65	56 uc
I-131	4 Feb 65	30 uc
C-14	4 Feb 65	100 uc
I-131 Standard+Tracer Doses	9 Feb 65	100 uc
I-131 Hippuran	12 Feb 65	20 uc
I-131 Standard+Tracer Doses	12 Feb 65	68 uc
Au-198	12 Feb 65	42 uc
I-131 Oriodide	16 Feb 65	100 uc
I-131 Standard+Tracer Doses	19 Feb 65	84 uc
Au-198	23 Feb 65	52 uc
I-131	25 Feb 65	1 uc
I-131 Cholografin	26 Feb 65	96 uc
I-131 Standard+Tracer Doses	26 Feb 65	84 uc
C-14	1 Mar 65	5 uc

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CONTINUED:

SEWAGE DISPOSAL OF RADIOISOTOPES DURING QUARTER 1 JANUARY 1965 - 31 MARCH 1965

<u>RADIOISOTOPE</u>	<u>DATE DISCARDED</u>	<u>TOTAL ACTIVITY</u>
Au-198	2 Mar 65	34 uc
I-131 Cholografin	2 Mar 65	100 uc
I-131 Standard+Tracer Doses	5 Mar 65	92 uc
I-131 Standard+Tracer Doses	9 Mar 65	84 uc
Cr-51	9 Mar 65	100 uc
I-125 Serum Albumin	19 Mar 65	20 uc
C-14	24 Mar 65	50 uc
C-14	24 Mar 65	20 uc
I-131 Standard+Tracer Doses	26 Mar 65	96 uc

One shipment of solid waste was made to U.S. Army Edgewood Arsenal, Maryland in accordance with AR-755-380 containing a total of 3,488.8 micro-curies. Shipment vouchers accompany this report.

*Herbert F. Johnson*  
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