

Dr. Meyer's Marshallese subjects

402608

R

subject #	Sex	Age	Ht(cm)	wt(kg)	TBW in L.	wt of fat kg	lean body wt kg	water (kg)
822	M	16	160.	54.54	38.12	26.45	38.39	
832	F	24	147.3	46.36	24.95	12.23	34.13	
836	M	30	163.8	56.36	35.32	8.03	48.33	
838	M	30	162.6	66.13	41.72	9.05	57.08	
841	F	30	163.8	66.81	31.88	23.21	43.60	
873	M	44	175.3	61.36	43.22	2.23	59.13	
881	M	30	165.1	68.63	32.80	23.77	44.68	
882	M	29	160.0	54.77	39.90	0.19	54.58	
885	F	23	163.8	61.81	41.00	5.75	56.06	
895	F	33	151.1	55.90	29.22	15.92	39.98	
916	F	39	148.6	63.63	32.55	19.11	44.52	
928	F	50	157.5	57.27	29.35	17.12	40.15	
932	F	28	146.0	46.30	26.20	10.46	35.84	
938	F	24	142.2	40.00	21.98	9.95	30.05	
942	F	48	148.6	57.72	27.60	19.97	37.75	
959	F	14	151.1	60.00	32.15	16.02	43.98	
960	F	11	149.9	38.63	24.75	4.77	33.86	
1007	M	52	163.8	71.36	41.22	14.97	56.39	
1043	F	28	147.3	41.81	26.42	5.66	36.15	
1501	M	30	162.6	66.81	* 43.32	* 7.54	* 59.27	
Jeton	M	30	165.1	63.18	39.75	8.81	54.37	

* Done by ratio method - all others done by internal standard method.

unc - ULO

Dr. Meyer's Marshallese subjects

Subject #	Sex	Age	Ht (cm)	Wt (kg)	TBW in L.	wt of fat kg	lean body wt kg	water (kg) Total body wt
822	M	16	160.	54.54	38.12	26.45	28.09	68.84
832	F	24	147.3	46.36	24.45	12.23	34.13	53.01
836	M	30	163.8	56.36	35.32	8.03	48.33	61.74
838	M	30	162.6	66.13	41.72	9.05	57.08	62.15
841	F	30	163.8	66.81	31.88	23.21	43.60	46.94
873	M	44	175.3	61.36	43.22	2.23	59.13	69.39
881	M	30	165.1	68.63	32.80	23.77	44.68	47.07
882	M	29	160.0	54.77	39.90	0.19	54.58	71.75
885	F	23	163.8	61.81	41.00	5.75	56.06	65.30
895	F	33	151.1	55.90	29.22	15.92	39.98	51.50
916	F	39	148.6	63.63	32.55	19.11	44.52	50.38
928	F	50	157.5	57.27	29.35	17.12	40.15	50.48
932	F	28	146.0	46.30	26.20	10.46	35.84	55.74
938	F	24	142.2	40.00	21.98	9.95	30.05	54.10
942	F	48	148.6	57.72	27.60	19.97	37.75	47.10
959	F	14	151.1	60.00	32.15	16.02	43.98	52.78
960	F	11	149.9	38.63	24.75	4.77	33.86	63.11
1007	M	52	163.8	71.36	41.22	14.97	56.39	56.90
1043	F	28	147.3	41.81	26.42	5.66	36.15	62.25
1501	M	30	162.6	66.81	* 43.32	* 7.54	* 59.27	* 42.62
Jeton	M	30	165.1	63.18	39.75	8.81	54.37	61.96

* Done by ratio method - all others done by internal standard method.

②

DR. L. MEYERS

SUBJECTS

Subject	Sex	Age	Wt. kg	% Fat ^②	Wt. of fat in kg	Lean body wt (kg)	HT cm ^{m x 2.54}
822	M	16	54.54	19.36	10.56	43.98	160.0
832	F	24	46.36	19.82	9.19	37.17	147.3
836	M	30	56.36	0	0	56.36	163.8
838	M	30	66.13	6.24	4.13	62.00	162.6
841	F	30	66.81	48.82	32.31	34.50	163.8
873	M	44	61.36	0	0	61.36	175.3
881	M	30	68.63	30.39	20.86	47.77	165.1
882	M	29	54.77	- 5%	0	54.77	160.0
885	M	23	61.81	0.18	0.11	61.63	163.8
895	F	33	55.90	26.58	14.86	29.32	151.1
916	F	39	63.63	24.38	15.51	48.12	148.6
928	F	50	57.27	23.21	13.29	43.98	157.5
932	F	28	46.3	16.01	7.41	38.89	146.0
938	F	24	40.00	18.26	7.30	32.70	142.2
942	F	48	57.72	29.61	17.09	40.63	148.6
959	F	14	60.00	21.29	12.77	47.23	151.1
960	F	11	38.63	3.86	14.91	23.72	149.9
1007	M	52	71.36	19.54	13.94	57.42	163.8
1043	F	28	41.81	9.70	4.06	37.75	147.3
1501	M	30	66.81	11.29	7.54	59.27	162.6
Seton	M	30	63.18	14.21	8.98	54.20	165.1

②

DR. L. MEYERS

SUBJECTS

Subject	Sex	Age	Wt. kg	% Fat	Wt. of fat in kg	Lean body wt. (kg)	HT cm
822	M	16	54.54	19.36	10.56	43.98	160.0
832 ✓	F	24	46.36	19.82	9.19	37.17	147.3
836 ✓	M	30	56.36	0	0	56.36	163.8
838 ✓	M	30	66.13	6.24	4.13	62.00	162.6
841 ✓	F	30	66.81	48.82	22.31	34.50	163.8
873 ✓	M	44	61.36	0	0	61.36	175.3
881 ✓	M	30	68.63	30.39	20.86	47.77	165.1
882	M	29	54.77	- 5%	0	54.77	160.0
885	M	23	61.81	0.18	0.11	61.63	163.8
895	F	33	55.90	26.58	14.86	29.32	151.1
916	F	39	63.63	24.38	15.51	48.12	148.6
928	F	50	57.27	23.21	13.29	43.98	157.5
932	F	28	46.3	16.01	7.41	38.89	146.0
938	F	24	40.00	18.26	7.30	32.70	142.2
942	F	48	57.72	29.61	17.09	40.63	148.6
959	F	14	60.00	21.29	12.77	47.23	151.1
960 ✓	F	11	38.63	3.86	14.91	23.72	149.9
1007	M	52	71.36	19.54	13.94	57.42	163.8
1043 ✓	F	28	41.81	9.70	4.06	37.75	147.3
1501	M	30	66.81	11.29	7.54	59.27	162.6
Seton	M	30	63.18	14.21	8.98	54.20	165.1

m x 2.54

Dr. Meyers Subjects Recount

6/14/63

10 Min counts

Contents	Hole #	CPM	Ratio	Efficiency	Quench/Correction	CPM/Kg	Corrected 2 cc of 1/25 sol
A	A	10,100	0.75	14.97	2.67	10,069	26,688
B	B	6,666	0.76	15.01	2.66	6,635	17,649
C	39	6,086	0.75	14.97	2.67	6,055	16,167
D	40	8,015	0.73	14.00	2.86	7,984	22,834
E	41	5,968	0.74	14.94	2.68	5,937	15,911
F	42	7,825	0.75	14.97	2.67	7,794	20,810
G	43	6,508	0.74	14.94	2.68	6,477	17,358
H	44	6,134	0.75	14.97	2.67	6,103	16,290
I	45	8,622	0.74	14.94	2.68	8,591	23,020
J	46	7,812	0.74	14.94	2.68	7,781	20,850
K	47	8,556	0.74	"	"	8,525	22,840
L	48	6,555	0.74	"	"	6,524	17,489
M	49	10,078	0.74	"	"	10,047	26,920
N	50	9,638	0.75	14.97	2.67	9,607	25,650
O	51	11,535	0.74	14.94	2.68	11,504	30,831
P	52	9,283	0.75	14.97	2.67	9,252	24,703
Q	53	7,886	0.74	14.94	2.68	7,855	21,050
R	54	6,106	0.73	14.00	2.86	6,075	17,374
S	55	9,997	0.75	14.97	2.67	9,966	26,609
T	56	5,937	0.73	14.00	2.86	5,906	16,891
U	57	1,958	0.76	15.01	2.66	1,927	17,085
V	59	31	1.94	—	—	6,423	—
W	59	10,456	0.73	14.00	2.86	10,425	29,810

BK
std. g

1958
217
1923

A
37
10.00
58,096.00
43,406.00
101,000.00
58,096.00
43,406.00
10,100.00
74.71

B
38
10.00
38,131.00
28,877.00
66,664.00
38,131.10
28,877.00
6,666.40
75.73

C
39
10.00
34,952.00
26,258.00
60,865.00
3,495.20
2,625.80
6,086.50
75.12

D
40
10.00
46,487.00
34,050.00
80,146.00
4,648.70
3,405.00
8,014.60
73.24

E
41
10.00
34,451.00
25,529.00
59,675.00
3,445.10
2,552.90
5,967.50
74.10

F
42
10.00
44,926.00
33,760.00
78,254.00
4,492.60
3,376.00
7,825.40
75.14

G
43
10.00
37,587.00
27,840.00
65,079.00
3,758.70
2,784.00
6,507.90
74.06

H
44
10.00
35,276.00
26,363.00
61,347.00
3,527.60
2,636.30

	74.06	N
	44	NN
	10.00	NN
35.2	76.00	NN
26.3	63.00	NN
61.3	47.00	NN
	35.27.60	
	26.36.30	
	61.34.70	
	74.73	
	45	NN
	10.00	NN
49.6	97.00	NN
36.9	61.00	NN
86.2	23.00	NN
	49.69.70	
	36.96.10	
	86.22.30	
	74.37	
	46	NN
	10.00	NN
45.1	73.00	NN
33.3	63.00	NN
78.1	16.00	NN
	45.17.30	
	33.36.30	
	78.11.60	
	73.85	
	47	NN
	10.00	NN
49.5	47.00	NN
36.4	88.00	NN
85.5	63.00	NN
	49.54.70	
	36.48.80	
	85.56.30	
	73.64	
	48	NN
	10.00	NN
37.8	08.00	NN
28.0	99.00	NN
65.5	50.00	NN
	37.80.80	
	28.09.90	
	65.55.00	
	74.32	
	49	NN
	10.00	NN
58.0	85.00	NN
43.2	38.00	NN
100.7	85.00	NN
	58.08.50	
	43.23.80	
	100.78.50	
	74.43	
	50	NN
	10.00	NN
55.4	95.00	NN
41.4	09.00	NN
96.3	79.00	NN
	55.49.50	
	41.40.90	
	96.37.90	
	74.61	
	51	NN
	10.00	NN
66.5	74.00	NN
49.4	10.00	NN
115.3	51.00	NN
	66.57.40	
	49.41.00	
	115.35.10	
	74.21	
	P	NN

3	9,9	15	.00	N
9	2,8	33	.00	N
	5,3	41	.00	
	3,9	91	.50	
	9,2	83	.30	
		74	.73	
			53	N
		10	.00	N
4	5,6	83	.00	N
3	3,5	77	.00	N
7	8,8	55	.00	N
	4,5	68	.30	
	3,3	57	.70	
	7,8	85	.50	
		73	.49	
			54	N
		10	.00	N
3	5,3	73	.00	N
2	5,9	95	.00	N
6	1,0	56	.00	N
	3,5	37	.30	
	2,5	99	.50	
	6,1	05	.60	
		73	.48	
			55	N
		10	.00	N
5	7,5	62	.00	N
4	2,9	21	.00	N
9	9,9	69	.00	N
	5,7	56	.20	
	4,2	92	.10	
	9,9	96	.90	
		74	.56	
			56	N
		10	.00	N
3	4,5	46	.00	N
2	5,1	25	.00	N
5	9,3	70	.00	N
	3,4	54	.60	
	2,5	12	.50	
	5,9	37	.00	
		72	.72	
			57	N
		10	.00	N
1	1,1	53	.00	N
	8,5	42	.00	N
1	9,5	82	.00	N
	1,1	15	.30	
	8,5	42	.20	
	1,9	58	.20	
		76	.58	
			58	N
		10	.00	N
	1	07	.00	N
	2	08	.00	N
	3	12	.00	N
		10	.70	
		20	.80	
		31	.20	
	1	94	.39	
			59	N
		10	.00	N
6	0,6	66	.00	N
4	4,4	39	.00	N
1	0,4	55	.00	N
	6,0	66	.60	
	4,4	43	.90	
	1,0	45	.60	
		73	.25	

Counting water (H^3) distilled from urine by freeze drying. Channels Ratio

832 10,363 CPM — in 2^{cc} H_2O from distilled urine
 — 29 Bkg
 10,334 CPM Ratio 0.76 eff. 15.01

I brought all samples to the same efficiency as the unquench H^3 std is 40. For sample 832 this meant multiplying CPM by 2.66 = 27,428

My std was 2 cc of distilled H_2O containing $1/25,000$ of the dose the subjects took.

(all corrected to 40% counting efficiency)

$$\frac{\text{Std (CPM-Bkg)}}{\text{subject (CPM-Bkg)}} = \frac{29,904}{27,428} = 1.088$$

$$\begin{aligned} \times \text{dilution factor of } 25000 &= 27200 \\ \text{this is now Total Body Water in cc} & \\ &= 27,200 \text{ L.} \end{aligned}$$

$$\text{L} \times 0.975 \text{ converts to kg } H_2O = 26,792 \text{ kg}$$

$$\% H_2O = \frac{\text{kg } H_2O}{\text{Total body wt}} = \frac{26,792}{46.36} = 57.79\%$$

$$\% \text{ Fat in Human Body} = 100 - \frac{\% H_2O}{0.72} = (100 - 80.26) = 19.74$$

$$\text{wt of fat} = \% \text{ Fat} \times \text{Bd. wt} = 9.15$$

$$\text{Lean Body WT} = \text{Total body wt} - \text{Fat} = 46.36 \text{ kg} - 9.15 \text{ kg} = 37.21 \text{ kg}$$

wt, Std, method

Subject #	Age #	% Fat	wt (kg)	Lean body wt (kg)	HT (cm)	Sex	Age
822		4.89	26.45	22.09		M	16
32		26.32	12.23	34.13		F	24
36		14.25	8.03	48.33		M	30
38		13.64	9.05	57.08		M	30
41		34.74	23.21	43.60		F	30
73		3.63	2.23	59.13		M	44
81		34.65	23.77	44.68		M	30
82		0.35	0.19	54.58		M	29
85		1.31	5.75	56.06		M	23
95		25.25	15.92	39.98		F	33
916		30.03	19.11	44.52		F	39
928		29.81	17.12	40.15		F	50
932		22.51	10.46	35.84		F	28
38		24.87	9.95	30.05		F	24
42		34.59	19.97	37.75		F	48
59		26.70	16.02	43.98		F	14
60		12.35	4.77	33.86		F	11
1007		20.98	14.97	56.39		M	52
1043		13.55	5.66	36.15		F	28
1501						M	30
Jelton		13.95	8.81	54.37		M	30

Dr. Meyer's samples done with int std 1B
 the std was brought up to 2.2 cc \bar{c}
 H₂O so no water correction was made

	S 6/14/63 CPM	6/14/63 CPM-Bkg	Val 2.2cc sample + int std	← 6/18/63 T-S corrected 1.057	T-S 1.0043	(S) corrected for quenching	
A-	832	10,100	10,069	19,056	20,142	10,553	Ratio to 11 ^{std} 10431
B	836	6666	6635	16,048	16,963	9382	1.11 17366
C	838	6086	6055	15281	16,152	10,128	1.03 6237
D	841	8015	7924	17153	18,131	10,178	1.022 8160
E	873	5968	5937	15298	16,170	10,264	1.014 6020
F	881	7825	7794	17013	17,982	10,219	1.017 7934
G.	882	6508	6477	15934	16,842	10,334	1.007 6522
H	885	6134	6103	15274	16,145	10,011	1.040 6347
I	895	8622	8591	17659	18,666	10,044	1.036 8900
J	916	7812	7781	16980	17,948	10,136	1.027 7991
K	928	8556	8525	17565	18,566	10,010	1.040 8866
L	→ 822	6555	6524	15618	16,508	9953	1.046 → 6824
M	960	10,078	10,047	18951	20,031	9953	1.046 10,500
N	932	9638	9607	18640	19,702	10,064	1.034 9934
O	938	11535	11,504	20481	21,648	10,113	1.029 11838
P	942	9283	9252	18446	19,497	10,214	1.019 9428
Q	959	7886	7855	17024	17,994	10,108	1.030 8091
R	1007	6106	6075	15250	16,119	10,013	1.039 6316
S	1043	9997	9966	19429	20,536	10,539	0.988 9846
T	1501	5937	5906	12548	13,263	7,326	1421
U	Jilton 1958 CX3-33	6417	11504	12,160	10,202	1.020	6545
V	Bkg	31	31	28			
W*	std	10,425	9,847	10,408			
W	std		10,351				
W	std		10,440				

* same ppt as used to prepone patient dose
 Δ brought up to 2.2cc H₂O to det. H₂O

(2) Dr. Meyer's patients Ind std method

Subject #	Ratio std cft-BF ₂ subject cft-BF ₂	Ratio $\times 2.5 \times 10^4$	TBW in L	L $\times 0.985$ L converted to Kg	% H ₂ O Kg H ₂ O Kg Body wt	cal. 1 % Fat $100 - \frac{\% H_2O}{0.75}$
222	1.585	38,125	38.12 L	37.55	68.84	95.11
32	0.998	24,950		24.58	53.01	73.65
36	1.413	35,325		34.80	61.74	85.75
38	1.669	41,725		41.10	62.15	86.31
41	1.275	31,875		31.40	46.99	65.26
73	1.727	43,225		42.58	69.39	96.37
81	1.312	32,800		32.31	47.07	65.35
82	1.516	37,900		39.30	71.75	99.66
85	1.640	41,000		40.38	65.30	90.66
85	1.159	29,225		28.79	51.50	71.36
916	1.302	32,550		32.06	50.38	69.95
28	1.174	29,350		28.91	50.48	70.11
32	1.048	26,200		25.81	55.74	77.41
38	0.879	21,975		21.64	54.16	75.12
42	1.104	27,600		27.19	47.10	65.41
59	1.286	32,150		31.67	52.78	73.35
60	0.990	24,750		24.38	63.11	87.65
1007	1.649	41,225		40.607	56.90	79.06
1043	1.057	26,425		26.03	62.25	86.4
1501						
Seton	1.590	39,750		39.15	61.96	86.06

Dr Meyers subjects

5/27/63

Set #	Machine #	CPM	Ratio	Quench correction (efficiency)	Quench correction (quench)	Corrected counts
832	A 21	10,363	0.76	15.01%	2.66	27,488
836	B 22	6,746	0.76	15.01	2.66	17,867
838	C 23	6,227	0.76	15.01	2.66	16,487
841	D 24	8,187	0.75	14.97	2.67	21,782
873	E 25	6,170	0.75	14.97	2.67	16,396
881	F 26	8,044	0.75	14.97	2.67	21,400
882	G 27	6,681	0.76	15.01	2.66	17,694
885	H 28	6,213	0.74	14.94	2.67	16,573
895	I 29	8,738	0.73	14.97	2.76	24,908
916	J 30	8,019	0.76	15.01	2.66	21,248
928	K 31	8,737	0.75	14.97	2.67	23,250
822	L 32	6,801	0.75	14.97	2.67	18,081
960	M 33	10,336	0.75	14.97	2.67	27,520
932	N 34	9,875	0.74	14.97	2.67	25,279
938	O 35	11,742	0.74	14.97	2.67	26,244
942	P 36	9,490	0.76	15.01	2.66	25,166
959	Q 37	8,136	0.75	14.97	2.67	21,646
1007	R 38	6,253	0.73	14.97	2.86	17,501
1043	S 39	10,128	0.74	14.97	2.65	23,062
1501	T 40	6,060	0.73	14.00	2.86	17,249
JETON	U 41	1,942 x 3.33 = 6370	0.72	13.50	2.86	18,855
BKG	V 42	29	-	-	-	-
std	W 43	10,540	0.76	15.01	2.66	27,459
1/25,000	W 109	10,485	0.73	14.00%	2.86	29,904

unneeded to
2 cc
1/25 cc
5 ml

* Jeton only 0.6cc distilled H₂O from urine - so I added 1.4 cc distilled H₂O to equate all quenchings - The CPM of 0.6cc H₂O should be multiplied by 3.33 to bring it in line

DR MEYER'S CASES

W

5/27/63

RATIO

Case #	Part #	Hold #	CPM	CPM - BKX	RATIO	Eff	Research connection Ratio (to base up to 40%)	CPM - BKX X QCF
822	L	32	6801	6772	.75	14.97	2.67	18081
32	A	21	10363	10,334	.76	15.01	2.66 ✓	27488
36	B	22	6746	6717	.76	15.01	2.66 ✓	17867
38	C	23	6227	6198	.76	15.01	2.66 ✓	16487
41	D	24	8187	8158	.75	14.97	2.67 ✓	21782
73	E	25	6170	6141	.75	14.97	2.67 ✓	16396
81	F	26	8044	8015	.75	14.97	2.67 ✓	21400
82	G	27	6881	6652	.76	15.01	2.66 ✓	17694
85	H	28	6213	6184	.74	14.94	2.68 ✓	16573
95	I	29	8738	8709	.73	14.00	2.86 ✓	24908
916	J	30	8017	7988	.76	15.01	2.66 ✓	21248
28	K	31	8737	8708	.75	14.97	2.67 ✓	23250
32	N	34	9875	9846	.74	14.94	2.68 ✓	26289
38	O	35	11742	11713	.74	14.94	2.68 ✓	31274
42	P	36	9490	9461	.76	15.01	2.66 ✓	25166
59	Q	37	8136	8107	.75	14.97	2.67 ✓	21646
60	M	33	10336	10307	.75	14.97	2.67	27520
1007	R	38	6253	6224	.73	14.00	2.86 ✓	17801
1043	S	39	10128	10,099	.74	14.94	2.68	27066
1501	T	40	6060	6031	.73	14.00	2.86 ✓	17249
Jeton	U	41	1942 1393 6370	1913 16370	.72	13.50	2.96 ✓	18855
BKX	V	42	29	—	2.22			
SH *	W'	109	10485	10456	.73	14.00	2.86	29904
SH	W	43	10540	10511	.76	15.01	2.66	27959

②

DR. L. MEYERS

SUBJECTS

Subject	Sex	Age	Wt. kg	% Fat ⁽²⁾	Wt. of fat in kg	Lean body wt (kg)	HT cm
822	M	16	54.54	19.56 0	9.19	43.98	160.0
832	F	24	46.36	19.82	9.19	37.17	147.3
836	M	30	56.36	0	0	56.36	163.8
838	M	30	66.13	6.24	4.13	62.00	168.6
841	F	30	66.81	48.82	32.31	34.50	163.8
873	M	44	61.36	0	0	61.36	175.3
881	M	30	68.63	30.39	20.86	47.77	165.1
882	M	29	54.77	- 5%	0	54.77	160.0
885	M	23	61.81	0.18	0.11	61.63	163.8
895	F	33	55.90	26.58	14.86	29.32	151.1
916	F	39	63.63	24.38	15.51	48.12	148.6
928	F	50	57.27	23.21	13.29	43.98	157.5
932	F	28	46.3	16.01	7.41	38.89	146.0
938	F	24	40.00	18.26	7.30	32.70	142.2
942	F	48	57.72	29.61	17.09	40.63	148.6
959	F	14	60.00	21.29	12.77	47.23	151.1
960	F	11	38.63	3.86	14.91	23.72	149.9
1007	M	52	71.36	19.54	13.94	57.42	163.8
1043	F	28	41.81	9.70	4.06	37.75	147.3
1501	M	30	66.81	11.29	7.54	59.27	162.6
Jeton	M	30	63.18	14.21	8.98	54.20	165.1

(3)

Subject #	Ratio SH Subject 1.654	Rx25000 41,350 32,150 27,175	TBW in L 41.350 32,150 27.175	Liters animal to kg 40.180 31.668	% H ₂ O Kg body wt 74.68 58.06 34.00	% Fat ① 100 - $\frac{\% H_2O}{0.72}$ 80.64 = 103.7
828	1.886					
832	1.087	27,175	27.175	26.767	57.73	80.18
836	1.673	41,825		41.198	73.09	101.51
838	1.813	45,325		44.645	67.51	93.76
841	1.372	25,000		24.625	36.85	51.18
873	1.823	45,575		44.891	73.16	101.61
881	1.397	34,925		34.401	50.12	69.61
882	1.690	42,250		41.616	75.98	105.53
885	1.804	45,100		44.424	71.87	99.82
895	1.200	30,000		29.550	52.86	73.42
916	1.407	35,175		34.647	54.45	75.62
928	1.286	32,150		31.668	55.29	76.79
938	1.137	28,425		27.999	60.47	83.99
938	0.956	23,900		23.542	58.85	81.74
942	1.188	29,700		29.255	50.68	70.39
959	1.386	34,525		34.007	56.67	78.71
960	1.086	27,150		26.743	69.22	96.14
1007	1.0679	41,975		41.345	57.93	80.46
1043	1.104	27,600		27.186	65.02	90.30
1501	1.733	43,325		42.675	63.87	88.71
Jeton	1.585	39,625		39.031	61.77	85.79

11/6/20

T.T.T. etc
~~Method~~

832 S 10,100 cpm in 2cc distilled H₂O

- 31 Bkg

(S) 10,069 cpm

+ int std (200n) - of $\frac{1}{2500}$ dose

T 19,056 cpm → this is converted back to 2cc since the 200n std have caused some quenching

T = 20,142

T-S = - 10,072 ← this activity is from the int std

The std is 2cc ~~std~~ + 200n ~~int std~~ 1120
 the counts are corrected back to 2cc -
 Std 10,408 cpm (all due to int std)

correction for quenching

std T $\frac{10,408}{10,042} = 1.036$

(S-t) x 1.036 = 10,431 cpm

$\frac{\text{Std cts}}{\text{Subject counts}} = \frac{10408}{10431} = 0.998$ x dilution factor of std.

$0.998 \times 25000 = 24950 \text{ cc} = \text{Total Body Wat.}$

Convert to Kg H₂O = 24.98 Kg

% H₂O = $\frac{24.98}{46.36} = 53.02$

% Fat = $100 - \frac{\% \text{H}_2\text{O}}{0.72} = 100 - 73.64 = 26.36\%$

Kg of Fat = 12.22 kg