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NOTES	
FOUND BY	Perry Hall

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JNT STD

~~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 counter connected back to 2cc -
 std 10,408 cpm (all due to int std)

std T $\frac{10,408}{10,042} = 1.036$
 (S-T) X 1.036 = 19,431 cpm

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

0.998 x 25000 = 24950 cc = Total Body Water
 convert to Kg 1.0 = 24.95 Kg
 % H₂O = $\frac{24.95}{46.76} = 53.02$
 % Fat = $100 - \frac{\% \text{H}_2\text{O}}{0.72} = 100 - 73.64 = 26.36\%$

Kg of Fat = 12.22 kg
 Lean Body WT = 34.14 Kg