

FACSIMILE TRANSMISSION HEADER

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FROM

J. W. Healy

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W. J. BAIR

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11 Y
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inches, 3 MeV - 0.6 inches. I would, therefore, replace one inch with 0.5 inches.

5. Parag. 19, line 3. One of the changes that we had planned to make on reading through was to put "God-made" between "also" and "radiation".
6. Parag. 19, line 4. For consistency with parag. 18A, I would add "... and leave some of their energy in their bodies."
7. Parag. 115, line 4. Instead of "some islands", wouldn't it be possible to say "for other islands."
8. Parag. 117? (pp. 3, 5th full parag.) line 6. Should say "... get their food some of the radioactive atoms"



TO: W. J. Bair

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DATE: July 7, 1980

9. Parag. 121, line 4. From both ICRP-2 and ICRP 30, the uptake of cobalt from GI is about 30%. Thus, cobalt should go with cesium in this respect. ICRP 30 also assumes that the cobalt is uniformly distributed in the body except for the liver that has five times the concentration.

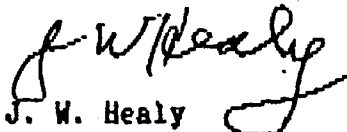
I would change by adding cobalt to strontium in the third line. (... some of the atoms of strontium and cobalt will go from the stomach to the blood). Then on lines 6 and 7, I would add cobalt to cesium. (Cesium and cobalt atoms go from the blood to all parts of the body.) Cobalt would then be eliminated in the places where it is at present.

10. Parag. 121, line 7. Is it correct to say that "almost all" of the atoms of strontium, americium and plutonium go from the blood to the bones. I cannot find a number for this for strontium in ICRP-30 but ICRP-30 uses the 40-45% split for transuranics. Could we change "almost all" to "much"?
11. Parag. 121, 3rd parag. (1st parag. pp. 4) line 3. Again the problem with cobalt. I would recommend ignoring it here or putting in a sentence: "Some of the cobalt that goes from the blood to the body will remain in the body for several years." Half-life of 20% is assumed to be 800 days.
12. Parag. 122, line 7. The present statement implies that all types of harm from radiation would take a long time. Could we modify this by stating that: "But if harm were to come from radiation at Bikini Atoll it would usually ...?"
13. Parag. 123X, 2nd line change to: All of these radiations may cause harm."
14. Parag. 124 & parag. 127. These should be subheadings with smaller type.
15. Parag. 124X, line 1. The word "damaged" appears both here in connection with cancer and in the previous line in connection with healing of wounds. Could we say in this line "certain kinds of damage"?
16. Parag. 124Y, line 2. We should leave "believe" here. Scientists "know" nothing at the dose range of interest here.

The idea of a population dose that is appropriate to the standard discussed.

18. Parag. 146. I believe that this paragraph should be substituted for paragraphs 152 and 153 on the next page. The information is the same and I like this title (although they may be the same in the Marshallese) and content better than the other two paragraphs.
19. Parag. 165, last parag. My recollection of the curves does not show that the strontium decreased in their bodies. If this is the case, couldn't we eliminate this phrase?

Sincerely yours,


J. W. Healy

JWH:dl

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Reviewed by R. Schuelke Date 4/30/97

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