This dotted line represents what we think the metabolic rate was based upon their carbon dioxide output, which was measured by looking at the lithium hydroxide cannister.

So, you see, here, they were provided this much, they only took in about this much, but it is not too far off. It varied somewhere around the 2,100 to 2,200 calorie area here, you can see, 2,230 and 2,066.

Now, this was on the 4-day flight. These were a couple of chow hounds, really, and we decided we had better provide some more food than we had planned on the 8-day flight, and we went up to some 2,800 calories, 2,755, actually, that was provided onboard (fig. 23).

Now, the intakes recorded on this flight. The caloric intake is clear down here around a thousand calories per man per day, 1,075 to 915. This is the lowest caloric intake that we have seen on a flight, and here is what we——

Congressman TEAGUE. That was their difference according to days?

Dr. BERRY. This was on the 8-day flight, and it has been our lowest caloric intake.

Now, this left us in a quandary, about what kind of food to provide for the 14-day flight, and we ended up providing 233 calories per man per day (fig. 24).

Here is what we thought their metabolic rate would require.

Here is what they actually took in, and you see it is a little more even across here with the bars, because they had been on a very tightly controlled diet for 14 days preflight, and were controlled for a period of time postflight.

NASA-S-66-12107

GEMINI V

CALORIC INTAKE

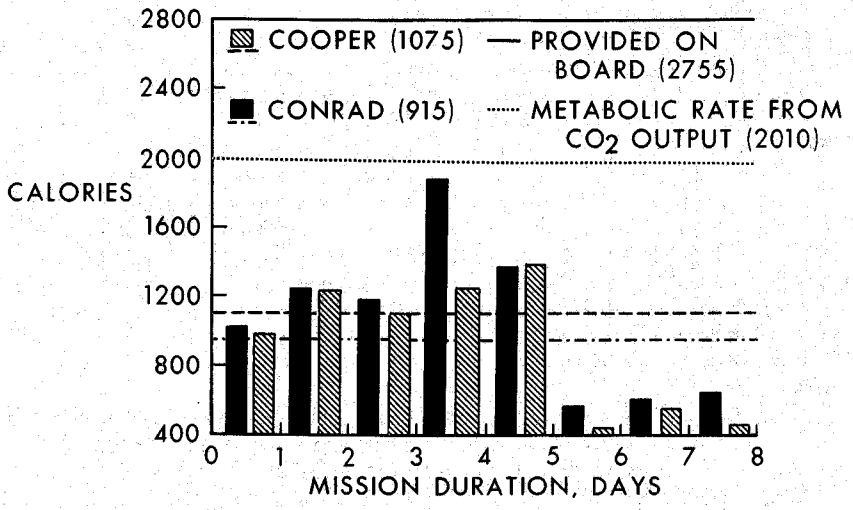

FIGURE 23