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**HE SENT LEANNESS**

**By Clint Nobles**

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"They soon forgot his works; they waited not for his counsel: But lusted exceedingly in the wilderness, and tempted God in the desert. And he gave them their request; but sent leanness into their soul." Ps. 106:13-15

I have long enjoyed reading the one hundredth and sixth chapter of the book of Psalms where David chronicled the Israel's past, creating, if you will, his own history book. But I failed to realize the Biblical reason for keeping a record of a Nation's or an individual's past. Paul explained that "whatsoever things were written aforetime were written for our learning." (Rom. 15:4) God wants mankind to learn from our mistakes that we may "cease to do evil; learn to do well." (Isa. 1:16,17) Here in Psalms 106 we find example after example of things we may cease from doing. One such illustration is found in our text for today. Verse 15 is a startling reminder that though we seek after something with all of our earthly heart, once given this assumed blessing by the hand of God, it might be the very thing that takes us from that oneness walk with the one true God.

Israel had eaten manna until they were sick of it, they could not stand to gather it day after day. Even though they feasted on the food of angels, their human appetite was never satisfied. They began murmuring against the man of God, and against God himself saying, "Who shall give us flesh to eat? for it was well with us in Egypt." (Num. 11:18) They cried against the God of Heaven, the Lord of their salvation, they mocked him saying, "Why came we forth out of Egypt?" (Num. 11:20) Therefore he abhorred them and gave them that which they wanted; but fleshly satisfaction does not come without a price! They ate the flesh of fowl until it came forth from their nostrils, until they could not stand the site of it, but the recompense was not over. They not only suffered physically, but the Lord Jehovah "sent leanness into their soul." They could not be content with what the Lord provided, they wanted what they had back in Egypt. In Egypt they might have been slaves. In Egypt they might have been beaten, but at least, they reasoned, they had flesh to eat and wine to drink. But here, in the wilderness, what did they have? Water from rocks and bread that fell as dew from Heaven. Their continual cries came before God and he gave them the desires of their heart. But you see, their heart did not desire the things of God, but what they had back in the land of bondage. However, though they feasted on the lust of their heart, their souls languished on the memories of glory days gone by.

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"A false balance is abomination to the LORD: but a just weight is his delight." (Pro. 11:1) God's word declares that if one man increases another must decrease. Jesus' ministry could not begin until John's decreased so much that he died. Therefore the Biblical precedent had been set, the fleshly man cannot increase without the spirit man decreasing. If your flesh feasts . . . your soul must famish. It is a law of God.

In our everyday lives we fight and, by the everlasting mercies of God, we must win this battle of flesh and spirit. "For the flesh lusteth against the Spirit, and the Spirit against the flesh: and these are contrary the one to the other: so that ye cannot do the things that ye would." (Gal. 5:17) We are commanded to "Love not the world, neither the things that are in the world. If any man love the world, the love of the Father is not in him. For all that is in the world, the lust of the flesh, and the lust of the

eyes, and the pride of life, is not of the Father, but is of the world." (I John 2:15–16) Therefore, let us learn from the mistakes of the past and remember always that though God "gave them their request" he also "sent leanness into their soul."

Clint has had many of his articles, stories and poems published in a variety of newspapers and magazines and is a contributing writer for the local newspaper.

### **Avoid These Five Common Weight Loss Mistakes**

**By Hristo Hristov**

### **Avoid These Five Common Weight Loss Mistakes**

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Mistake #1: Not changing your calorie plan as you lose weight. The fallacy of the "1200 calorie diet" plans and the like.

Most people fix their calorie intake to a given number and expect to lose weight at the same constant rate over a period of weeks. Hence, dieters look for 1000 calorie or 1800 calorie diet plans on the internet. The fixed calorie diet plans don't work. If you burn 3000 calories a day at the start of a diet, after a week or two of losing some weight, you are no longer burning 3000 calories. Now you might be burning 2800 calories. If you fix your calorie intake in the face of a decreasing calorie expenditure, your weight loss will slow down more and more as you lose weight.

If you want to lose weight at a constant rate, you must repeatedly:

decrease your calorie intake to accommodate the calorie expenditure drop

increase your calorie output by exercising more

do both

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I would like to note that you must set realistic slow weight loss goals. If you go for fast weight loss you would not be able to sustain it for a long period unless you go extreme in the calorie reduction and exercise a lot. For people who have to lose more than 20 pounds (10kgs), the goal should be a loss of no more than 2 pounds or 1 kg per week. People who need to lose just a bit of weight should go for weight loss of 1 pound or half a kilogram per week.

Why does my calorie expenditure drop as I lose weight? The most important factors are:

You weigh less. A smaller body burns less calories both at rest and while active

You may involuntarily burn fewer calories. Dieters often lack energy and move less

Calorie restriction suppresses the metabolic rate

You have less body fat, which may further suppress your metabolic rate

These major factors contribute to an ever-decreasing energy expenditure as one loses weight. The more a dieter cuts calories, the bigger the calorie expenditure drop. The leaner the dieter, the greater the calorie expenditure drop.

Now you must understand that if you want to succeed in losing weight, you have to make changes in your nutrition plan. I recommend burning more calories, because being more active facilitates smaller calorie restriction and milder calorie expenditure drop.

It is very difficult to estimate the rate of the metabolic drop. Here is the general rule: the bigger you are, the smaller the rate of the metabolic drop. The more weight you lose, the more you have to cut calories or increase exercise. If you are overweight you might need to cut just 10 more calories for every lost pound, while if you are lean you might have to cut 60 calories for every pound lost. I picked these numbers just as an example.

Mistake #2: Overreporting the "extra" calorie expenditure of exercise

Most people count the calories they spend exercising as "extra" calories. There is a difference between calories burned while exercising and "extra" calories burned exercising. Here is an example: you burn 300 calories on the treadmill instead of your usual activity (watching TV at home); in reality, you have to subtract the calories you would have spent watching TV from these 300 calories to calculate how many additional calories you burned. Let's say that watching TV, you would have burned 80 calories. In this specific case, you have expended 300 calories while exercising, and 220 "extra" calories.

Calorie counters mindlessly add the calories burned exercising as "extra" and in some cases, this practice can significantly influence the calorie calculations. Hence, calorie software counts the part of your usual activities that overlaps with the extra activities twice.

How to estimate the "extra" calories burned exercising?

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In order to make the calculations more accurate, I shall first introduce the concept of MET values. MET values are a convenient way to calculate the calorie cost of activities. MET values are multiples of the resting energy expenditure per time. In plain English, a MET = 3 means burning 3 times more calories than resting. A MET = 1 signifies how many calories you burn at rest (your Resting Metabolic Rate or Basal Metabolic Rate). Whatever you do, you burn calories at a rate of at least MET = 1 with the only exception being sleeping which has MET = 0.9. During the day, most activities include sitting and walking which have MET values between 1.2 and 3. Your total daily energy expenditure is calculated by multiplying your Resting Metabolic Rate by the average MET of all your activities. Is your head spinning?

Let's use a real world example. Consider a female person with a Resting Metabolic Rate of 1200 calories a day. One day has 1440 minutes. Our example lady is burning  $1200/1440 = 0.84$  calories per minute at rest, which signifies a MET = 1. Let's say our example woman just returned from an aerobics class, where she exercised for 30 minutes. General aerobic class training has a MET = 6. Our example lady has just burned  $30 \text{ (minutes)} \times 6 \text{ (MET)} \times 0.84 \text{ (calories per minute)} = 151$  calories while exercising. Suppose our lady would have chatted on the internet instead of exercising (MET = 1.5). In this example, the woman substituted chatting on the internet with aerobic exercising. Remember, that every time you do something you substitute one activity for another. In order to get the extra calories, we have to subtract 1.5 (chatting) from 6 (exercising). Now let's calculate the extra calories:  $30 \text{ (minutes)} \times (6 - 1.5) \text{ (MET value)} \times 0.84 = 113$  calories.

Let's consider what a standard calorie counter would have done. First, it will assume an average calorie burn rate of 1 calorie per minute. Then the counter will find that exercising for 30 minutes will yield  $30 \text{ (minutes)} \times 6 \text{ (MET)} \times 1 \text{ (calories per minute)} = 180$  calories. The calorie counter will add these 180 calories to your daily expenditure without considering that a part of these 180 calories is already accounted by your usual activities.

Do you now see the difference between 113 calories and 180 calories? If that woman spends 5 hours

a week in that aerobics class, the standard calorie counters will overreport her calorie output by:  $(180 - 113) \times 10 = 670$  calories a week. The woman will be fooled that her metabolic rate has dropped while she just overestimated her calorie expenditure. Enter weight loss plateau, wasted time and efforts. Do you have the time for trial and error calorie estimations?

Remember these two rules:

Report only extra activities to your calorie counter. If you walk to your office every day, do not log "walking to office for 30 minutes" as an extra activity. Consider only unusual activities that contribute to extra expended calories!

Always subtract the calories you would have burned instead of exercising. A general rule is to subtract from 1.2 to 1.5 from the MET values. In some cases, you need to subtract a greater MET. If you substitute 30 minutes of bodybuilding (MET = 6) for 30 minutes of slow jump rope (MET = 8) then the additional MET would be  $8 - 6 = 2$ .

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How to find the MET values of activities based on standard tables?

In order to make the above calculations, you need to know the MET values of activities. Standard tables give: name of activity, duration and calories. Standard tables assume an average calorie expenditure of one calorie per minute. To find the MET you just need to divide the calories by the duration.

Example: "Bicycling, stationary, general", "20 minutes", "140 calories"

MET of "Bicycling, stationary, general" =  $140 / 20 = 7$

I know these calculations are somewhat tedious and in many cases the standard calorie calculations are close to correct. However, in some cases they can significantly over or under-calculate the calorie expenditure of activities and compromise your weight loss plan with daily miscalculations.

Mistake #3: Training with light weights and lots of reps

I have seen countless number of ladies come to the gym, get the lightest possible dumbbells, crank out some hundreds of reps and go home. Most often, these women do not get the results they want. The problem with this type of training is that it does not burn many "extra" calories unless you spend a considerable amount of time in the gym. Hefting Ken and Barbie weights in the gym has a MET value of 3, which means that it burns 3 times more calories than resting in bed. Almost anything you do during the day has a MET value of 1.2 to 2. Browsing the internet on your computer has a MET value of 1.5. Realize that almost anything you do during the day (average MET = 1.5) has about 50% overlap in calorie expenditure with training with very light weights (MET = 3). If you pump super light dumbbells in the gym, only about half of the calories burned are "additional".

Of course, you can burn a considerable amount of extra calories training with light weights but you have to really extend the duration of this type of training. Curling 5 pound dumbbells for 4 sets of 20 reps and chit-chatting for 20 minutes in the gym is not going to burn many extra calories.

Remember the rule: the less intensive the activity (smaller MET), the greater the calorie expenditure overlap with casual activities; the less intensive the activity, the more time you have to spend doing it to

expend a good deal of extra calories. Always subtract a MET of 1 to 1.5 to arrive at the additional expended calories.

Mistake #4: Using "average person" calorie estimations

You can find all kinds of tables showing the calorie cost of different physical activities on the internet. These tables don't show your calorie expenditure. They actually tell you the calorie expenditure of an "average person". These tables assume you are an average person that burns one calorie per minute at rest. Yes, we covered this in the first part of the article and it needs repeating. Most men burn more than one calorie per minute and most smaller women burn less than one calorie per minute at rest. In reality, these standard tables overestimate the calorie expenditure of smaller people and

underestimate the calorie expenditure of bigger than average people. Combine this with the common mistake of counting all burned calories as "additional calories" and you have a wide range of possible miscalculations.

### Mistake #5: Going on very low calorie diets (VLCD)

Research has shown little to no difference in the weight loss rate of 1200 calorie diets and 800 calorie diets. The 1200 calorie threshold is the point where further calorie restriction does not yield faster results. Diets in the range of 800 to 1200 calories a day suppress the resting metabolic rate from the very first day and after some weeks on these diets, the metabolic rate has dropped by up to 20%. This metabolic drop is just a consequence of the calorie restriction factor; other factors such as the level of leanness may further depress the calorie expenditure.

A big percentage of the quick initial weight loss on a VLCD is water. VLCDs create an illusion of fast fat loss, while in reality most of the weight loss is water. It is hard to continue a very low calorie diet for a prolonged time because the harsh calorie restriction makes you hungrier than ever. People on VLCDs often lack energy and move very little. When you stop the diet, you are prone to instant overeating. Eating a very low calorie diet is the ticket to yo-yo dieting.

Instead of using very low calorie diets, I recommend diets with a mild calorie restriction and an emphasis on exercise. Overweight people who know what they are doing can employ VLCDs for a limited time. It is important to get enough vitamins and minerals from supplements, because such low calorie diets are woefully inadequate in nutrients. Water intake should be high.

Bodybuilders, powerlifters and athletes must stay away from very low calorie diets because the large calorie restriction causes a greater proportion of the weight loss to be muscle loss.

If you want to automate these complicated calorie calculations, try our training and nutrition software Fitness Assistant FREE for 30 days. Get your trial copy at

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