



You may have forgotten about these three training techniques, but using them can amp up your intensity and accelerate your muscle-building, fat-burning results! BY KATY LOREN

You know of them, but you probably haven't thought about them in a while. At least, that's the feeling you get when reading over the roster of D-list competitors for Donald Trump's television hit (or train wreck, depending on your druthers) *The Celebrity Apprentice*. Surely, you'd have to Google most of the names among the 16 hopefuls to discover that Jamie Anderson is a snowboarder, Brandi Glanville is a "real housewife" (you have to wonder what an "unreal" housewife would look like), and Ian Ziering was perpetual high-school frat-boy Steve on *90210*.

Well, like the Donald, we also have some dusty old favorites in our fitness attic, but remembering them will do more than just pique your pop-culture curiosity. Indeed, these three "forgotten" training techniques — ascending/descending sets,

rest/pause and partial reps — will help push you farther than you might otherwise go on your own during a workout. Each technique works in the same way — by prompting a growth-hormone surge in response to the extended effort against a challenging resistance and a recovery response by forcing additional blood into your muscles (i.e., the "pump" you feel).

"These techniques provide a great amount of volume, give you variety in your program and are very time-efficient," says David Hooper, graduate research assistant at The Ohio State University. "Moderate loads of 60 to 80 percent of your one-rep maximum and a short rest period create a substantial volume, which is a great stimulus for hypertrophy." Incorporate these techniques into your own training, and say these infamous words to your exercise routines of the past: "You're fired!"

TECHNIQUE

ascending/ descending sets

aka "Running the Rack" or "Running the Stack"

••• The premise of this method is simple: You're either moving up (ascending) or down (descending) in weight during one super-long set. Extending your sets like this increases the time under tension for your muscles, which in turn forces adaptation and change.

You can increase or decrease the weight as many times as you'd like during your set, depending on your masochistic leanings for the day. Let's use the machine chest press as an example of a moderately intense ascending set, changing weight four times. Begin by setting the weight stack with 5-pound weights per side for 10 reps. After rep 10, immediately change the pin setting on the weight stack so that you're next using 10 pounds per side and go for another 10 reps. Again without resting, move the pin again setting the weight at 15 pounds per side and do still another 10 reps (or as many as you can muster). Finally, move the pin up to the 20-pound weights and rep until you can't go anymore. For a descending set (also called a "drop set"), reverse that sequence, starting with your heaviest weight and decreasing every time you reach a point of initial failure.

An ascending set on its own serves as a good warm-up for any bodypart, while a descending set is a super finisher. The good news is you should only have to do one ascending or descending set per exercise and per workout to reach kaputville.

Word of caution: Be aware that certain exercise techniques may upset your fellow gym-goers. Running the rack using a series of dumbbells, for example, may not be practical during the gym's peak hours because this technique can have you monopolizing a lot of gym real estate, which may not sit well with other gym members. Rule of thumb for ascending/descending sets: If your ascending/descending set will require a lot of real estate, you might want to choose another technique or train during non-peak hours when the gym isn't so packed with members.

TRY IT YOURSELF

Pick an exercise in your next workout to try either an ascending or a descending set, such as machine chest presses or machine shoulder lateral raises or cable curls.

"This technique is traditionally done with dumbbells, but you could easily do it with a machine that you can easily adjust," says Cari Shoemate, a personal trainer and yoga instructor based in Houston (cari-fit.com). For example, use a cable machine with a rope attachment for doing triceps pressdowns: Start either with a low weight and build with each set or with a heavy weight and drop with each set. If you want to get creative, try using a bodyweight exercise. Shoemate explains: "Try descending sets with push-ups. Using a bench and step, work your way from the hardest angle to the easiest, starting with high-decline push-ups (feet on a bench), then to low-decline push-ups (feet on a step), then regular push-ups and finally incline push-ups with your hands on a step, feet on the floor."



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