

# Athletic prowess: Heredity or training?

ant otterminant of success in endur-ance events. However, research indi-cates that as much as 80 to 90 percent of this capacity is genetically deter-mined, with the remainder attributed to differences in training.

that other factors are even more introduced to differences in training.

The recent Olympic Games prompted me to re-examine the age-old question. To what extent does natural endowment or heredity contribute to superbathletic performance? "Certalaly numerous physiologic and psychosocial factors contribute to the Olympic athletes' performance capacitations are better adapted to support sustained Olympic athletes' performance capacitations.

eryone has both types of muscle fibers, some people are born with a predominance of one over the other.

It is not surprising, therefore, that champion distance runners have an exchampion distance runners have an exchampion distance runners have an extendely high percentage of slow which muscle fibers. On the other hand, world-class sprinters to be other hand, world-class sprinters to be other fibers. Unfortunately, even the must rigorous stitletic training programs cannot alter an individuals' relative amount of alow or fast twitch muscle fibers. Thus, persons lacking the appropriate skele-

fitness

barry franklin

tal musculature may never become world class athletes, regardless of how decidented they are to training.

Coaches have long suspected that heredity is more important time physical conditioning in producing an athlete with a superb performation capacity. As a result, young athletes, particular, ly those in some foreign countries, are often subjected to extensive physiolo-

# 66 I dropped Blue Cross

#### Georgia Estep switched from Blue Cross to HealthPlus of Michigan for her health care.

Over the past 5 years, thousands of GM employees have dropped their Blue Cross coverage and have joined HealthPlus of Michigan. And now, a lot of GM retirees are

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