Michael Miller Pilates makes sense.

Return to Life THROUGH CONTROLOGY

by Joseph H. Pilates
and William John Miller

excerpt from a copy of the original as published by:
the Christopher Publishing House, Boston, U.S.A.

THE BASIC FUNDAMENTALS OF A NATURAL PHYSICAL EDUCATION

CIVILIZATION IMPAIRS PHYSICAL FITNESS

Physical fitness is the first requisite of happiness. Our interpretation of physical fitness is the attainment and maintenance of a uniformly developed body with a sound mind fully capable of naturally, easily, and satisfactorily performing our many and varied daily tasks with spontaneous zest and pleasure. To achieve the highest accomplishments within the scope of our capabilities in all walks of life we must constantly strive to acquire strong, healthy bodies and develop our minds to the limit of our ability. This very rapidly progressing world with its ever-increasing faster tempo of living demands that we be physically fit and alert in order that we may succeed in the unceasing race with keen competition which rewards the "go-getter" but by-passes the "no-getter." Physical fitness can neither be acquired by wishful thinking nor by outright purchase. However, it can be gained through performing the daily exercises conceived for this purpose by the founder of Contrology whose unique methods accomplish this desirable result by successfully counteracting the harmful inherent conditions associated with modern civilization.

In the Stone Age and onward man lived mostly outdoors with practically little shelter from the elements. He has not yet lived long enough indoors with protection against the elements to be able to successfully withstand the daily strains and stresses imposed upon him by our present mode of "fast" living. This explains why both you and I and all the rest of us are compelled in our own interest to give constant thought to the improvement of our bodies and to spend more time in acquiring and maintaining that all-important goal of physical fitness.

All in all, we do not give our bodies the care that our well-being deserves. True, we do stroll in the fresh air whenever our whimsical spirit moves us, or whenever necessity compels us to do so, with the result that on these occasions we do, in spite of ourselves, exercise our legs to this limited extent, accomplished, however, at the sacrifice of the rest of our body which after all is much more important to us from the viewpoint of our general health. Is it any wonder then that this haphazard and wholly inadequate body-building technique of the average person fails so miserably in the acquirement of physical fitness!

Admittedly, it is rather difficult to gain ideal physical fitness under the handicap of daily breathing the soot-saturated air of our crowded and noisy cities. On the other hand, we can more quickly realize this ambition if we are privileged to breathe the pure fresh air of the country and forests without the accompaniment of the traffic roar of the city which constantly tends to keep our nerves strung taut. Even those of us who work in the city and are fortunate enough to live in
the country must counteract the unnatural physical fatigue and mental strain experienced in our daily activities. Telephones, automobiles, and economic pressure all combine to create physical letdown and mental stress so great that today practically no home is entirely free from sufferers of some form of nervous tension.

Because of the intense concentration demanded by our work and despite the real enjoyment our work may bring some of us we, nevertheless, gladly welcome any additional relief in the form of diversified and pleasant recreational activities, preferably outdoors, in our constant attempts to offset the effects of increasing cares and burdens so common today. To ease mental strain and relieve physical fatigue we must acquire a reserve stockpile of nervous energy in order that we may really be able to enjoy ourselves at night. Hobbies and all forms of play tend materially to renew our vitality with accompanying moral uplift. Play is not necessarily only confined to indulging in conventional games. Rather the term "play" as we use it here, embraces every possible form of PLEASURABLE LIVING. For example, simply spending a quiet and pleasant evening at home with our family chatting with congenial friends is, according to our interpretation, a form of play, that is delightful, pleasant social entertainment as distinguished from our daily work. This finds us cheerful, contented, and relaxed.

However, many of us at the end of our daily work lack sufficient energy at night for recreation. How many of us simply spend the night routinely reading the evening newspaper? How many of us are entirely too exhausted to read, even occasionally, an interesting book, visit our friends, or see one of the latest motion pictures? When some of us occasionally spend a weekend away from our usual city haunts and environments, instead of receiving the immediate benefits of that desirable change in the way of complete revitalization (without fatigue) as the result of our experience outdoors in the bright sunshine, we are more often than not likely to find ourselves only recovering from the shock of our disappointment about the middle of the following week. Why? Because our previous mode of living and the consequent neglect of our bodies has not prepared us for reaping the beneficial results of this diversion. We lacked the necessary reserve energy to draw upon for this purpose and the fault lies only with us and not with nature as most of us like to think. All that any normal body should require is a change--from whatever it has previously been subjected to.

Accordingly, since we are living in this Modern Age we must of necessity devote more time and more thought to the important matter of acquiring physical fitness. This does not necessarily imply that we must devote ourselves only to the mere development of any particular pet set of muscles, but rather more rationally to the uniform development of our bodies as a whole--keeping all our organs as nearly as possible in their naturally normal condition so that we may not only be in a better position to earn our daily bread but also so that we may have sufficient vitality in reserve at night for the enjoyment of compensating pleasure and relaxation.

Perhaps with some feeling of doubt you ask, "How can I realize such a utopian condition? At night I am much too tired to go to a gymnasium." Or, "Isn't it too costly to enroll for a conditioning course in some good gymnasium or club?" RETURN TO LIFE fully explains how you can successfully achieve your worthy ambition to attain physical fitness right in your own home and at only nominal cost.
CONTROLOGY RESTORES PHYSICAL FITNESS

Contrology is complete coordination of body, mind, and spirit. Through Contrology you first purposefully acquire complete control of your own body and then through proper repetition of its exercises you gradually and progressively acquire that natural rhythm and coordination associated with all your subconscious activities. This true rhythm and control is observed both in domestic pets and wild animals--without known exceptions.

Contrology develops the body uniformly, corrects wrong postures, restores physical vitality, invigorates the mind, and elevates the spirit. In childhood, with rare exceptions, we all enjoy the benefits of natural and normal physical development. However, as we mature, we find ourselves living in bodies not always complimentary to our ego. Our bodies are slumped, our shoulders are stooped, our eyes are hollow, our muscles are flabby and our vitality extremely lowered, if not vanished. This is but the natural result of not having uniformly developed all the muscles of our spine, trunk, arms, and legs in the course of pursuing our daily labors and office activities.

If you will faithfully perform your Contrology exercises regularly only four times a week for just three months as outlined in RETURN TO LIFE, you will find your body development approaching the ideal, accompanied by renewed mental vigor and spiritual enhancement. Contrology is designed to give you suppleness, natural grace, and skill that will be unmistakably reflected in the way you walk, in the way you play, and in the way you work. You will develop muscular power with corresponding endurance, ability to perform arduous duties, to play strenuous games, to walk, run or travel for long distances without undue body fatigue or mental strain. And this by no means is the end.

One of the major results of Contrology is gaining the mastery of your mind over the complete control of your body. How many beginners are amazed and chagrined (even trained athletes in the public eye) to discover how few (if any) Contrology exercises they are able to execute properly! Their previous failure to exercise regularly and properly, or their method of training, has not helped them. There is unmistakable evidence, too, that the functioning of the brain has correspondingly deteriorated. The brain itself is actually a sort of natural telephone switchboard exchange incorporated in our bodies as a means of communication through the sympathetic nervous system to all our muscles. Unfortunately, pure reason plays only a minor part in the lives of most of us. In practically every instance the daily acts we perform are governed by what we THINK we see, hear, or touch, without stopping first to analyze or think of the possible results of our actions, good or bad. As the result of habit or reflex action, we wink, dodge, and operate machines more or less automatically. IDEALLY, OUR MUSCLES SHOULD OBEY OUR WILL. REASONABLY, OUR WILL SHOULD NOT BE DOMINATED BY THE REFLEX ACTIONS OF OUR MUSCLES. When brain cells are developed, the mind too is developed. Teachers start with sense organs. Contrology begins with mind control over muscles.

By reawakening thousands and thousands of otherwise ordinarily dormant muscle cells, Contrology correspondingly reawakens thousands and thousands of dormant brain cells, thus activating new areas and stimulating further the functioning of the mind. No wonder then that so many persons express such great surprise following their initial experience with Contrology exercises caused by their realization of the resulting sensation of "uplift." For the first time in many years their minds have been truly awakened. Continued use of Contrology steadily increases the normal and natural supply of pure rich blood to flow to and circulate throughout the
brain with corresponding stimulation to new brain areas previously dormant. More significantly, it actually develops more brain cells. G. Stanley Hall, the great American psychologist, observed "The culture of muscles is brain-building."

GUIDING PRINCIPLES OF CONTROLOGY

Contrology is not a fatiguing system of dull, boring, abhorred exercises repeated daily "ad-nauseam." Neither does it demand your joining a gymnasium nor the purchasing of expensive apparatus. You may derive all the benefits of Contrology in your own home. The only unchanging rules you must conscientiously obey are that you must always faithfully and without deviation follow the instructions accompanying the exercises and always keep your mind wholly concentrated on the purpose of the exercises as you perform them. This is vitally important in order for you to gain the results sought, otherwise, there would be no valid reason for your interest in Contrology. Moreover, you must accept all collateral advice with equal fidelity. Remember that you are teaching yourself--right! The benefits of Contrology depend solely upon your performing the exercises exactly according to instructions--and not otherwise.

Remember, too, that "Rome was not built in a day," and that PATIENCE and PERSISTENCE are vital qualities in the ultimate successful accomplishment of any worthwhile endeavor. Practice your exercises diligently with the fixed and unalterable determination that you will permit nothing else to sway you from keeping faith with yourself. At times you may feel tempted to "take a night off." Don't succumb to this momentary weakness of indecision, or rather, wrong decision. Decide to remain true to yourself. Think of what would happen if the stokers firing the boilers of a giant oceanliner were to decide to "take a night off." You know the answer. If they were to repeat this action, you know the result. The human body, fortunately, can withstand more neglect, successfully, than can the complicated machinery of a modern steamship. However, that is no good reason why we should unnecessarily and unreasonably tax our bodies beyond bounds of endurance, especially since doing so results only in hurting ourselves. Schopenhauer, the philosopher, said: "To neglect one's body for any other advantage in life is the greatest of follies."

Make up your mind that you will perform your Contrology exercise ten minutes without fail. Amazingly enough, once you travel on this Contrology "Road to Health" you will subconsciously lengthen your trips on it from ten to twenty or more minutes before you even realize it. Why? The answer is simple: The exercises have stirred your sluggish circulation into action and to performing its duty more effectively in the matter of discharging through the bloodstream the accumulation of fatigue-products created by muscular and mental activities. Your brain clears and your will power functions.

BODILY HOUSE-CLEANING WITH BLOOD CIRCULATION

This is the equivalent of an "internal shower." As the spring freshets born of the heavy rains and vast masses of melting snows on mountains in the hinterlands cause rivers to swell and rush turbulently onward to the sea, so too will your blood flow with renewed vigor as the direct result of your faithfully performing the Contrology exercises. These exercises induce the heart to pump strong and steadily with the result that the bloodstream is forced to carry and discharge more and more of the accumulated debris created by fatigue. Contrology exercises drive the pure fresh blood to every muscle fibre of our bodies, particularly to the very important capillaries which
ordinarily are rarely ever fully stimulated once we have reached adulthood. As a heavy rainstorm freshens the water of a sluggish or stagnant stream and whips it into immediate action, so Contrology exercises purify the blood in the bloodstream and whip it into instant action with the result that the organs of the body, including the important sweat glands, receive the benefit of clean fresh blood carried to them by the rejuvenated bloodstream. Observe the beneficial effects that Contrology exercises have on your heart action.

Contrology exercises guard against unnecessary pounding or throbbing of your heart. Study carefully the poses illustrated by the photographs and note that all the exercises are performed while you are in a sitting or reclining position. This is done to relieve your heart from undue strain as well as to take advantage of the more normal (original) position of the visceral organs of your body when in such positions. Contrary to exercises performed in an upright position, those performed while you are in a recumbent position do not aggravate any possible undetected organic weakness.

True heart control follows correct breathing which simultaneously reduces heart strain, purifies the blood, and develops the lungs. To breathe correctly you must completely exhale and inhale, always trying very hard to "squeeze" every atom of impure air from your lungs in much the same manner that you would wring every drop of water from a wet cloth. When you stand erect again, the lungs will automatically completely refill themselves with fresh air. This in turn supplies the bloodstream with vitally necessary life-giving oxygen. Also, the complete exhalation and inhalation of air stimulates all muscles into greater activity. Soon the entire body is abundantly charged with fresh oxygen, a fact which makes itself instantly known as the revitalized blood reaches the tips of your fingers and toes similarly as the heat generated by a good head of steam in your boiler and properly distributed by your radiators is felt in every room in your house.

Breathing is the first act of life, and the last. Our very life depends on it. Since we cannot live without breathing it is tragically deplorable to contemplate the millions and millions who have never learned to master the art of correct breathing. One often wonders how so many millions continue to live as long as they do under this tremendous handicap to longevity. Lazy breathing converts the lungs, figuratively speaking, into a cemetery for the deposition of diseased, dying, and dead germs as well as supplying an ideal haven for the multiplication of other harmful germs. Therefore, above all, learn how to breathe correctly. "SQUEEZE" EVERY ATOM OF AIR FROM YOUR LUNGS UNTIL THEY ARE ALMOST AS FREE OF AIR AS IS A VACUUM. Stand erect again and observe how your lungs will automatically completely refill themselves with fresh air. The impact of so much oxygen upon your bloodstream may at first quite naturally and normally result in your experiencing a slight sensation of "lightheadedness," similar to the effect you might experience were you for the first time to find yourself actively engaged in the rarefied atmosphere high up in the mountains. However, after a few days this feeling will entirely disappear.

Whenever you read the word "rolling" in the exercises, be sure to hold your chin pressed tightly against your chest and, when you lie down or when you rise, "roll" and "unroll," your spine exactly in imitation of a wheel rolling forward and backward. Vertebra by vertebra try to "roll" and "unroll" as suggested. It is this very action of "rolling" and "unrolling" that cleanses your lungs so effectively by driving out the impure air and forcing in the pure air as you "roll" and "unroll." Indefatigably and conscientiously practice breathing until the art of correct breathing
becomes habitual, automatic and subconscious, which accomplishment will result in the bloodstream receiving its full quota of oxygen and thus ward off undue fatigue.

Study carefully. Do not sacrifice knowledge to speed in building your solid exercise regime on the foundation of Contrology. Follow instructions exactly as indicated down to the very smallest detail. There IS a reason! Contrology is not a system of haphazard exercises designed to produce only bulging muscles. Just to the contrary, it was conceived and tested (for over forty-three years) with the idea of properly and scientifically exercising every muscle in your body in order to improve the circulation of the blood so that the bloodstream can and will carry more and better blood to feed every fibre and tissue of your body. Nor does Contrology err either by over-developing a few muscles at the expense of all others with resulting loss of grace and suppleness, or at a sacrifice of the heart or lungs. Rather, it was conceived to limber and stretch muscles and ligaments so that your body will be as supple as that of a cat and not muscular like that of the body of a brewery-truck horse, or the muscle-bound body of the professional weight-lifter you so much admire in the circus.

Concentrate on the correct movements EACH TIME YOU EXERCISE, lest you do them improperly and thus lose all the vital benefits of their value. Correctly executed and mastered to the point of subconscious reaction, these exercises will reflect grace and balance in your routine activities. Contrology exercises build a sturdy body and sound mind fitted to perform every daily task with ease and perfection as well as to provide tremendous reserve energy for sports, recreation, emergencies. Very interesting, but quite obvious when you stop to think of it, is the indisputable fact that no one modern activity employs all our muscles. The nearest approach to this ideal is found in all-round swimming and fancy diving. Walking, the only exercise over activity common to most of us, employs only a limited number of muscles. With repetition the art of walking becomes a subconscious habit, not infrequently a bad one, and only too often accompanied by poor posture—note our letter-carriers.

However, there is another important reason for consistently exercising all our muscles; namely, that each muscle may cooperatively and loyally aid in the uniform development of all our muscles. Developing minor muscles naturally helps to strengthen major muscles. As small bricks are employed to build large buildings, so will the development of small muscles help develop large muscles. Therefore, when all your muscles are properly developed you will, as a matter of course, perform your work with minimum effort and maximum pleasure.

On a pleasant sunshiny morning, how we all naturally thrill in anticipation of accompanying congenial friends on a trip over modern highways to the country in a perfect-running automobile with a good driver at the wheel, knowing that his gradual acceleration and deceleration and his skillful negotiation of even sharp curves and abrupt turns are all accomplished so smoothly that we never give a conscious thought to his fine driving but rather concentrate on enjoying the passing scenery. How different, however, our reactions when taking a similar ride in a neglected car driven by a bad driver whose jerky starts, sudden stops, and dangerous turns not only upset our balance constantly but also rob us of the pleasure of the trip, especially after we realize that, luckily for us, he just missed "capsizing" the car although he did not succeed in avoiding dumping us into the ditch.

With the foregoing examples to guide us, we should wisely select as our pattern of life in this Modern Age that which excludes constant pushing, shoving, rushing, crowding, and wild
scrambling all so characteristic of our day. This too fast pace is plainly reflected in our manner of standing, walking, sitting, eating, and even talking and results in our nerves "being on edge" from morning to night and actually depriving us of our needed sleep.

Constantly keep in mind the fact that you are not interested in merely developing bulging muscles but rather flexible ones. Bulging muscles hinder the attainment of flexibility because the over-developed muscles interfere with the proper development of the under-developed muscles. True flexibility can be achieved only when all muscles are uniformly developed. Normal muscles should function naturally in much the same manner as do the muscles of animals. For instance, at the very next opportunity, watch a cat as it lazily opens its eyes, slowly looks around, and gradually prepares to rise after a nap. First, it gradually rises on its hindquarters and then gradually lowers itself again, at the same time sprawling out on the floor, leisurely stretching its forepaws (with extended claws) and legs. Observe closely how all its back muscles actually ripple as it stretches and relaxes itself. Cats as well as other animals acquire this ideal rhythm of motion because they are constantly stretching and relaxing themselves, sharpening their claws, twisting, squirming, turning, climbing, wrestling, and fighting. Also observe, too, how cats sleep--utterly relaxed whether they happen to be lying on their back, side or belly. Contrology exercises emphasize the need for this constant stretching and relaxing.

Before proceeding, we must speak of the spinal column with which are associated practically all the major activities of our body. The spine is composed of 26 vertebrae. Each vertebra is separated from the other by intervertebral cartilage. This cartilage acts as a cushion to absorb the shock of sudden jars, reduces friction to a minimum, and gives the spine its characteristic flexibility, thus permitting it to function even more freely. The science of Contrology disproves that prevalent and all-too-trite saying, "You're only as old as you feel." The art of Contrology proves that the only real guide to your true age lies not in years or how you THINK you feel but as you ACTUALLY are as infallibly indicated by the degree of natural and normal flexibility enjoyed by your spine throughout life. If your spine is inflexibly stiff at 30, you are old; if it is completely flexible at 60, you are young.

Because of poor posture, practically 95 per cent of our population suffers from varying degrees of spinal curvature, not to mention more serious ailments. In a newly-born infant the back is flat because the spine is straight. Of course, we all know that this is exactly as intended by nature not only then but also throughout life. However, this ideal condition rarely obtains in adult life. When the spine curves, the entire body is thrown out of its natural alignment--off balance. Note daily the thousands of persons with round, stooped shoulders, and protruding abdomens. The back would be flat if the spine were kept as straight as a plumb line, and its flexibility would be comparable to that of the finest watch spring steel.

Fortunately, the spine lends itself quite readily to correction. Therefore, in the reclining exercises, be sure wherever indicated, to keep your back full length always pressed firmly against the mat or floor. When rising from the floor or lowering yourself to the floor, always do so with a "rolling" or "unrolling" motion exactly in imitation of a wheel, equipped with imaginary "vertebrae" rolling forward or backward. Vertebra by vertebra try to "roll" and "unroll." These "rolling" and "unrolling" movements tend to gradually but surely restore the spine to its normal at-birth position with its correspondingly increased flexibility. At the same
time you are completely emptying and refilling your lungs to their full capacity. This admittedly requires persistence and earnest effort but--it is worth it!

It would be a grave error to assume that even Contrology exercises alone will remake a man or a woman into an entirely physically fit person. To understand this statement better, just remember that exercises as such with relation to physical fitness are somewhat similar to the relationship a grindstone or hone bears to an axe or razor. For example, how obvious is the answer to the foolish question as to which of two equally expert woodchoppers would cry "Timber" first, the one with a dull axe or saw, or the one who habitually sharpens his tools nightly in preparation for his work the next day. Correspondingly, proper diet and sufficient sleep must supplement our exercise in our quest for physical fitness. Another important factor in this connection is that of relaxation at stated fixed intervals throughout our workday wherever it is possible to do so, since this practice keeps us physically fit after we have obtained physical fitness. The man who uses intelligence with respect to his diet, his sleeping habits, and who exercises properly, is beyond any question of doubt taking the very best preventive medicines provided so freely and abundantly by nature.

By all means never fail to get all the sunshine and fresh air that you can. Remember too, that your body also "breathes" through the pores of your skin as well as through your mouth, nose, and lungs. Clean, open skin pores permit perspiration to uninterruptedly eliminate the poisons of your body. Moreover, unless you are really chilly, do not exercise in sweatshirts or even in lighter clothing. Whenever and wherever possible, wear "shorts" or sunsuits outdoors, and let the life-giving ultraviolet rays reach and penetrate into every skin pore of your body. Do not fear the cold of winter. When you are outdoors wear rather close-fitting clothes in preference to tight-fitting garments, not overlooking, of course, the importance of stout, comfortable shoes. Breathe properly, walk correctly, and swing along briskly. If you follow this sound advice you will find yourself feeling comfortable and invigorated.

The principal point to remember with regard to diet is to eat only enough food to restore the "fuel" consumed by the body and to keep enough of it on hand at all times to furnish the extra energy required on occasions beyond our normal needs and to meet unexpected emergencies. Merely eating to satisfy one's lust for good food is both foolish and dangerous to one's health. Such a person cannot ever be truly physically fit. No wonder! Youth and growing children quite naturally require a greater intake of food than do adults and the aged. The former are maturing; the latter have matured.

Not only the amount of food but also the kind is largely dependent upon one's occupation and sometimes, lack of it. Is it not reasonable to conclude that the sedentary indoor worker requires proportionately less food and of a different kind than the laborer who is engaged in hard manual toil outdoors? Heavy eating followed immediately by sitting, or even lying down awake or asleep, is comparable to over-loading the firebox with coal and then closing the drafts of the furnace. The former instance is ideal for generating "poisons" that eventually find their way into your bloodstream. The latter instance is ideal if your aim is to maintain a smoldering fire without adequate heat instead of a bright, glowing fire to radiate its comforting warmth throughout your house. You have the choice either case. Common sense dictates that you will make the right one. A man eating a heavy meal and indulging in vigorous activity will react thereto comparably to the way that a furnace with drafts open will react to a fire in a well-filled firebox. Accordingly, it
is earnestly suggested that you guide your eating habits with all due respect to the required amount of food and kind you need to keep yourself physically fit, always as indicated by your occupation, or lack of it.

Often men who have been accustomed to work hard on a farm or play hard in school athletics or labor hard in a factory, continue eating the hearty meals they then ate even though now they are engaged only in sedentary indoor occupations where moderate meals are indicated. This practice is very unwise since it unnecessarily adds excess weight to their bodies, much of it in the form of undesirable fat which, if man were a hibernator, he could draw on in much the same manner that hibernating animals do in the winter when they draw against the stockpile of reserved energy with which the instinct of nature has provided them over the long period of their enforced inactivity and "sleep." Since man is not a hibernating creature, such excess of fat is a real detriment to him, imposing an unnecessarily heavy burden on his heart, liver, bladder and other vitally important organs of his digestive system. Still worse for him is the unnatural formation and accumulation of fat directly around the heart itself. The carrying of this extra poundage produces needless fatigue. Imagine yourself, for instance, carrying a well-filled traveling bag weighing 20 pounds. For one or two blocks, all goes comparatively well, but with each additional block it is carried, the urge to rest is proportionately increased until at length the resulting fatigue compels you to do so. How relieved you feel after you have reached your final destination! You are doing exactly the very same thing when you persist in carrying 20 needless pounds of excess weight on your body only you are not so keenly aware of it because the weight is carried by the entire body instead of by your carrying arm alone as in the case of the bag. However, fatigue is created thereby in either case. Why not relieve yourself of this truly "excess baggage?"

Once acquired, it is, unfortunately, not so easy to rid yourself of excess weight. Nevertheless, it can be done! Consult your family physician for regular physical check-ups, and then follow his sound advice and instructions implicitly. Every adult over 40 years of age should not deny himself the benefits of a medical examination every three months. Once a year should suffice for younger persons unless some condition indicates to the contrary. Even in their case, consulting their physician twice a year would be wise. If this sound suggestion is followed, latent ailments can be discovered in their early developmental stage, and the "growth" of a long and perhaps serious illness may thus be "nipped in the bud."

If any particular part of your body is under-developed or shows an accumulation of excess fat, select Contrology exercises specifically to correct the respective conditions, repeating the exercises at stated intervals throughout the workday whenever it is possible to do so. However, be sure NEVER TO REPEAT THE SELECTED EXERCISE(S) MORE THAN THE PRESCRIBED NUMBER OF TIMES since more harm will result than good by your unwittingly or intentionally disregarding this most important advice and direction. Why? Because this infraction creates muscular fatigue--poison. There is really no need for tired muscles. Judicious selection of special Contrology exercises will accomplish more for your health and bodily condition, in conjunction with the foregoing advice, than all else combined.

Now let us consider the important question of good sleep at night. A quiet, cool, well-ventilated room is best. Do not use a soft mattress. "Firm but not soft" is a good rule to follow. Use the
lightest possible bed covering consistent with warmth. Do not use large bulky pillows (or as some do, two stacked pillows)—better still, use none at all.

Most important in the matter of enjoying good recuperative sleep are quiet, darkness, fresh air, and mental calm! Nervousness is usually aggravated by a lack of proper exercise, especially in the case of one with a troubled mind. The best alleviative for this condition is exercise. So if your sleep is disturbed, rise immediately and perform your exercises. It is far better to be tired from physical exertion than to be fatigued by the "poisons" generated by nervousness while lying awake. Particularly beneficial in this regard are the spinal "rolling" and "unrolling" massage exercises which relax the nerves and induce sound, restful sleep.

While conceding the fact that nowadays practically everyone of us routinely indulges in daily baths, experience has nevertheless taught us that only a small minority really achieve thorough cleanliness thereby, from our point of view. In our opinion, the correct technique to use in accomplishing this highly desirable result is to use only a good stiff brush (no handle) since this type of brush forces us to twist, squirm, and contort ourselves in every conceivable way in our attempts to reach every portion of our body which is otherwise comparatively easy to reach with a handle brush. The use of a good stiff brush as described stimulates circulation, thoroughly cleans OUT the pores of the skin and removes dead skin too. The pores of your skin must "breathe"—they cannot do so unless they are kept open and freed from clogging. Your skin will soon respond most gratifyingly to this perhaps seemingly "Spartan-like" treatment and acquire in the process a new, fresh, glowing appearance, and develop a texture smooth and soft to the touch. So brush away merrily, and heartily too!

Finally, beginning with the introductory lesson, each succeeding exercise should be mastered before proceeding progressively with the following exercises. Make a close study of each exercise and do not attempt any other exercise until you first have mastered the current one and know its routine down to the last detail without any reference to the text. Be certain that you have your entire body under complete mental control.

RESULTS OF CONTROLOGY

Good posture can be successfully acquired only when the entire mechanism of the body is under perfect control. Graceful carriage follows as a matter of course. Just as a good smooth-running automobile engine is the result of proper parts correctly assembled so that it operates with a minimum consumption of gasoline and oil with comparatively little wear, so too is the proper functioning of your own body the direct result of the assembled Contrology exercises that produce a harmonious structure we term physical fitness reflecting itself in a coordinated and balanced tri-part unity of body, mind, and spirit. This in turn results in perfect posture when sitting, standing, or walking with the utilization of approximately only 25 per cent of your energy while the approximately remaining 75 per cent in the form of surplus energy reserve is "on call" to meet the needs of any possible emergency.

The art of correct walking consists principally and simply in a slight tilting forward of the proper standing posture, alternately placing one foot before the other with the weight of the body poised and balanced on the balls of the feet. Be careful not to lock your knees as doing so will jar the spine and interrupt the rhythmic walking motion.
Standing also is very important and should be practiced at all times until it is mastered. First, assume the correct posture, then when tired, shift the weight of the body from one side to the other while resting on the "idle" side. Do not push your hips out or lock your knees. Progress forward with a slightly swaying graceful motion comparable to the effect created by a gentle breeze blowing over a field of growing wheat ready for harvest, causing it to gracefully sway in "waves" from its roots to its tips. Never slouch, as doing so compresses the lungs, overcrowds other vital organs, rounds the back, and throws you off the balance created by poising the weight of your body on the balls of your feet.

If you will faithfully follow the instructions, beginning with the introductory lesson, you will without doubt acquire correct physical fitness with proper mental control. You will truly be building upon the solid foundation of Contrology which itself is built upon scientific principles so true, sound and unique that the science and art of Contrology will live forever. As you progress in your self-instruction, you never have anything to "unlearn." These exercises will actually become a part of your very self securely stored away forever in your subconscious mind. You who have learned correctly how to ride a bicycle, how to swim, or how to drive an automobile need never worry with respect to the possibility of your failing to use the right technique in these skills on all occasions because of the confidence born of the fact that you realize you received your instructions from the best available source and authority. So, too, the acquirement and practice of the art and science of Contrology will instill that confidence in you that will remain forever for future use as occasions therefore may indicate. Then it is simply only a question of "re-toning" the muscles that have in the meantime become "soft" as the result of disuse.

With body, mind, and spirit functioning perfectly as a coordinated whole, what else could reasonably be expected other than an active, alert, disciplined person? Moreover, such a body freed from nervous tension and over-fatigue is the ideal shelter provided by nature for housing a well-balanced mind that is always fully capable of successfully meeting all the complex problems of modern living. Personal problems are clearly thought out and calmly met.

The acquirement and enjoyment of physical well-being, mental calm and spiritual peace are priceless to their possessors if there be any such so fortunate living among us today. However, it is the ideal to strive for, and in our opinion, it is only through Contrology that this unique trinity of a balanced body, mind, and spirit can ever be attained. Self-confidence follows. The ancient Athenians wisely adopted as their own the Roman motto: "Mens sana in corpore sano" (A sane mind in a sound body). And the Greeks as a people displayed even greater wisdom when they practiced what they preached and thus came nearest to achieving its actual accomplishment. Self-confidence, poise, consciousness of possessing the power to accomplish our desires, with renewed lively interest in life are the natural results of the practice of Contrology. Thus we achieve happiness, for is not real happiness truly born of the realization of worthwhile work well done, with the gratification of enjoying the other pleasures flowing from successful accomplishment with its compensating measure of "play" and resulting relaxation?

So in your very commendable pursuit of all that is implied in the trinity of godlike attributes that only Contrology can offer you, we bid you not good-bye but "au revoir" firmly linked with the sincere wish that your efforts will result in well-merited success chained to everlasting happiness for you and yours.

michaelmiller@hermit.com  www.hermit.com  11

Copyright ©2001 Michael Miller. All rights reserved.
Edited, reformatted and reprinted in a new easy-to-read edition updated with a new introduction by Judd Robbins and Lin Van Heuit-Robbins. First published in 1945 by J.J. Augustin. First published in 1945, Pilates? Return to Life Through Contrology contains the authorized, legal, edited, and original Library of Congress version of Joseph H. Pilates and William J. Miller first complete fitness writings. It details the exercises, poses, and instructions fundamental to the matwork developed by Joseph and Clara Pilates. Based on his concepts of a balanced body and mind and drawn from the approach espoused by the early Greeks, these are the exercises that currently sustain a worldwide revolution in fitness strategies and exercise techniques. Return to Life was written by Joseph Pilates back in 1945 when he was 60 years old. Contrology, as he called it back then, became the basis for our modern day Pilates. Many of the principles introduced then have been brought forward into how we practice today, while others were slightly changed, refined, or modernized as we learned more about the various systems of the body. The style of writing immediately struck me as old fashioned as it was originally written in 1945. I would love further book recommendations on Pilates if you ha