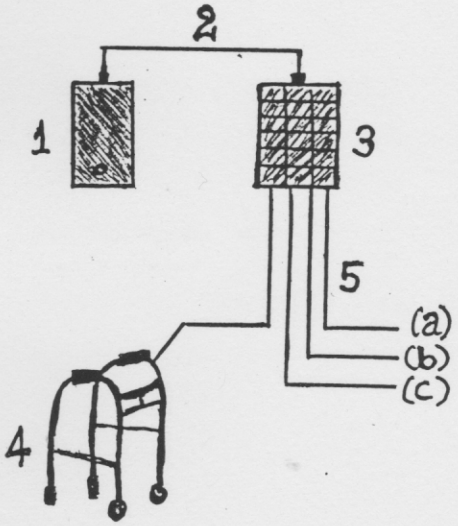
PARASTEP I SYSTEM SYNOPTICAL OVERVIEW

PARASTEP I SYSTEM DIAGRAM

1. Battery or Power Pack
2. Power Cable
3. Stimulator Unit
4. Rolling Walker Connection
5. Electrode Cables Connected to: (a) Quadriceps muscles
   (b) Peroneal nerve
   (c) Gluts (buttocks) and/or paraspinal muscles



HOW DOES IT WORK

When buttons are pressed on the stimulator keypad or walker switches, the microcomputer inside the stimulator unit sends low electrical pulses to six different muscle groups in sequential order via electrode cables attached to self-adhesive surface (skin) applied electrodes. The electrical impulses cause the muscles to contract or relax causing the limps to flex and/or extend. During physical therapy gait training, the patient learns how to: come from a sitting to a standing position, maintain proper upright posture and balance, advance the walker, weight shift, flex, extend and swing-through the leg, weight shift again in order to obtain heel-strike with the advanced leg. This gaiting process is then repeated on the other side with the other leg. When the patient's muscles tire out, he or she is sitted.

BASIC ELECTRODE PLACEMENTS