

tape including a bracket pulse section indicating the beginning of a particular information portion, an identification section for identifying the type of said particular information section, and an information storage section, tape reading means, drive means for moving said tape past said tape reading means to read out the information stored in selected ones of said different information portions, said drive means including a tape take-up reel and a tape supply reel for carrying said magnetic tape, a movable idler arm positioned between said take-up reel and said supply reel and having idler wheels mounted at each end thereof, braking wheels mounted in said idler arm between said idler wheels, a drive wheel mounted between said take-up reel and said supply reel, a resilient drivebelt positioned under tension around said drive wheel, said braking means and said idler wheels in a configuration such that said tension of said resilient drivebelt urges said resilient drivebelt against said magnetic tape on each of said take-up and supply reels, a motor coupled to said drive wheel for turning the same in a direction so that said resilient drive belt drives said tape supply reel in a direction to remove said magnetic tape therefrom and said tape take-up reel in a direction to receive said magnetic tape thereon, said braking means acting to impede the movement of said resilient drive means whereby a first portion of said resilient drivebelt in contact with said magnetic tape on said tape supply reel is under less tension than a second portion of said resilient drivebelt in contact with said magnetic tape on said tape take-up reel, said difference in tension of said first and second portions of said resilient drive means acting to drive said tape take-up reel at a rate slightly faster than said tape supply reel to remove slack from said tape, belt-imprinting means, said drive means also acting to move said reading belt past said belt-imprinting means, control means coupled to said drive means, said tape reading means, and said belt-imprinting means, said control means including means for selecting desired ones of said character portions, said note portions and said index portions, said control means being responsive to said information read out of said selected tape information portion to develop data signals, said belt-imprinting means being responsive to said data signals to form raised patterns on said reading belt, said drive means further including means for removing said raised patterns on said reading belt, input writing means coupled to said control means and generating writing signals representative to desired raised patterns in response to the operation thereof, tape-writing means coupled to said control means and positioned adjacent said tape, said control means further having a writing

mode, said control means in said writing mode acting in response to said writing signals to position said note portion of said tape in desired relationship to said tape writing means, said tape writing means being responsive to said writing signals to record signals on said tape in said information storage section of said note portion representative of said desired raised patterns.

4. A tape drive mechanism, including in combination, a tape take-up reel and a tape supply reel for carrying magnetic tape, a movable idler arm positioned between said take-up reel and said supply reel and having idler wheels mounted at each end thereof, first braking means mounted in said idler arm between said idler wheels, a drive wheel mounted between said take-up reel and said supply reel, a resilient drivebelt positioned under tension around said drive wheel, said first braking means and said idler wheels in a configuration such that said tension of said resilient drivebelt urges said resilient drivebelt against said magnetic tape on each of said take-up and supply reels, a first motor coupled to said drive wheel for turning the same in a direction so that said resilient drivebelt drives said tape supply reel in a direction to remove said magnetic tape therefrom and said take-up reel in a direction to receive said magnetic tape thereon, said first braking means acting to impede the movement of said resilient drivebelt whereby a first portion of said resilient drivebelt in contact with said magnetic tape on said tape supply reel is under less tension than a second portion of said resilient drivebelt in contact with said magnetic tape on said take-up reel, said difference in tension of said first and second portions of said resilient drive belt acting to drive said take-up reel at a rate slightly faster than said tape supply reel to remove slack from said tape.

5. The tape drive mechanism of claim 4 wherein, said resilient drive means is a rubber belt.

6. The drive mechanism of claim 5 further including, a second motor, a capstan, a pinch wheel to force said magnetic tape against said capstan, second braking means coupled to said capstan and clutch means coupling said capstan to said second motor, said second braking means and said clutch means being interconnected so that with said clutch means engaged said second braking means is released and with said clutch means disengaged said second braking means engaged, means coupled to said second braking means and said clutch means for intermittent operation thereof whereby said movement of said magnetic tape is intermittent.

\* \* \* \* \*

50

55

60

65

70

75