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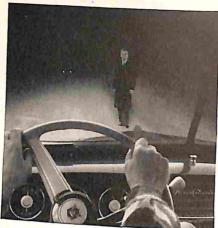
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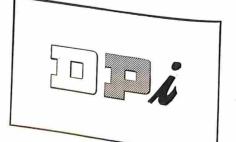
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GROUND WATER The subterranean rocks of the U. S. bear more water and artificial surface reservoirs. The increasing demastore has nonetheless raised the question of whether in	than all		ral 📮	·e

"SPINAL" CATS WALK

In a classical experiment of physiology the spinal cord of an animal is cut, leaving the disconnected muscles paralyzed. Some remarkable experiments have indicated that the isolated system is capable of learning.

PARTNER OF THE GENES by T. M. Sonneborn The early investigations of genetics indicated that the mechanism of heredity is located solely in the cell nucleus. But accumulated evidence suggests that the nucleus shares this function with the rest of the cell.

SIMPLE SIMON by Edmund C. Berkeley Last spring the world's smallest true mechanical brain was unveiled at Columbia University. Its function: to explain in a rudimentary way the principles and the operation of its forbidding and inaccessible relatives.

SURGICAL STITCHING by Sir Heneage Ogilvie The needlework of the surgeon is not too unlike that of the housewife. Most of the differences result from the unique properties of the surgeon's material, which requires some unusual needles, threads and stitches.

ION EXCHANGE by Harold F. Walton When electrically charged atoms or groups of atoms are associated with

a large molecule, they may be replaced by others of the same charge. This phenomenon has proved useful to both science and technology. 48

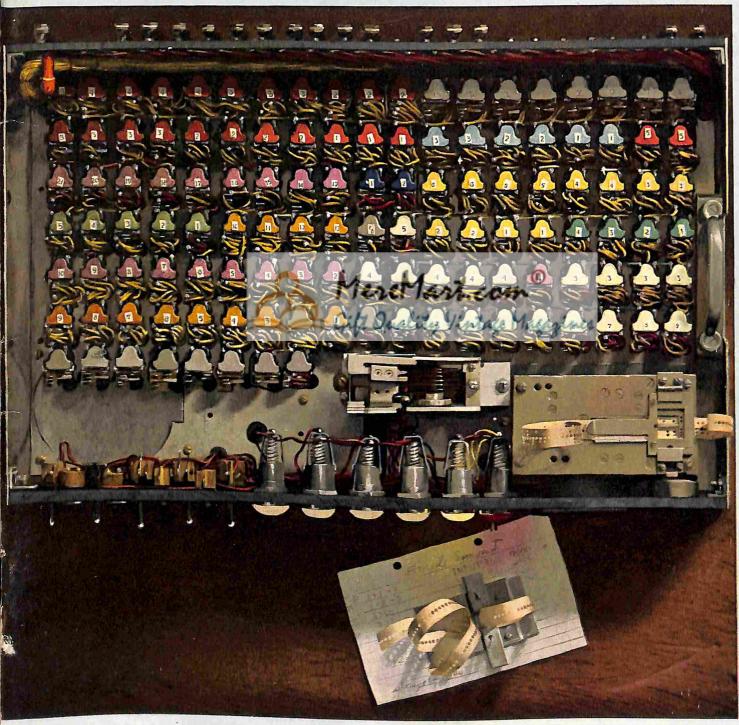
IS MAN HERE TO STAY? by Loren C. Eiseley In the course of evolutionary history dominant forms of life have inevitably been replaced by others. One significant feature of the process is that the dominant forms have sprung from unspecialized ancestors. 52

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