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MINIATURE TAPE RECORDERS HEADLED FOR NEXT EXPLORER SATELLITES

'MAGNETIC MEMORY' -- The tiny "magnetic memory" tape recorder to be included in the instrumentation of the next Explorer satellites is compared for size with an ordinary paper clip. The instrument measures 2 1/2 inches across and weighs only 8 ounces. The white cylinder at the top of the device is the main advance magnet, which with a ratchet assembly beneath it, steps the metallic tape forward at regular intervals. The playback coil, which responds to a ground station radio signal, is seen on the right. The instrument reports two hours of data -- a whole orbit or more of space information -- within a five-second period from the 36 inches of metallic tape. (58-3102)



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*[Handwritten scribbles and signatures]*

*C. S. ...*

EXPLORER  
SCIENCE - ARTIFICIAL SATELLITES