

The global positioning system



SYSTEM (GPS

66 Transport & Location

3-SECOND SURVEY

GPS is the most significant radio navigation during since the introduction of development in navigation

Due to the potential 3-MINUTE OVERVIEW

system, China's BeiDou monitoring by the US denial of access and Satellite System (NAVIC) Regional Navigation System and India's Indian Union Galileo positioning the planned European enabling positions to be can be added to GPS in use or being developed. government, other 6½ feet). Others include fixed to within 2 metres satellites available and devices, making more system (GLONASS), which Jiobal Navigation Satellite hese include the Russian Iternative systems are treasure-hunting game known as geocaching

the 30-second history GPS) was originally designed for military and The global positioning system

the radio signals they emitted, the so-called to track US submarines carrying nuclear missiles GPS at the height of the Cold War in the 1960s intelligence use. The US government developed system and makes it freely accessible, but it and transport could accurately fix their airspace, that the US government opened up passenger jet that had strayed into restricted transformed navigation, since GPS accurately data to a GPS receiver. The invention has signals carrying a time code and geographical satellites that orbit Earth and beam down 'Doppler Effect'. GPS uses a network of from the ground by measuring the frequency of Scientists found that satellites could be tracked navigation such as map-making, earthquake in Kashmir. Today, GPS has many uses beyond can selectively deny GPS access, for example reception. But it wasn't until 1983, when the metres in all weather conditions, and operates calculates geographical positions to a matter of research, climate studies and an outdoor to the Indian military in 1999 during hostilities positions. The US government maintains the GPS for civilian use so that aeroplanes, shipping former Soviet Union shot down a Korean ndependently of telephone or Internet See also 30-SECOND TEXT Bradford Parkinson udith Hodge

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ROGER LEE EASTON 3-SECOND BIOGRAPHY

physicist, principal inventor and designer of the Global ositioning System, along American scientist and

cars, planes and boats been miniaturized to a as well as laptop they are now found in few integrated circuits; GPS receivers have

computers.



Source: 30-second Great Inventions by David Boyle