

paid their subscriptions work out which cars had toll road that was trying to instead by a New Jersey there but was adopted The idea did not take off red lights called KarTrak. tried a system of blue and

The barcode



126 () Economics & Energy

tickets to shopping. everything from travel helps us keep track of

The simple barcode

of varying thicknesses the rapid solution to electronically - provides pattern of black lines among millions. identifying one item that can be scanned The barcode – a simple

3-SECOND SURVEY

3-MINUTE OVERVIEW were not the only people Woodland and Silver

working on the idea

Pennsylvania Railroad an executive from Unknown to them,

absolutely ubiquitous – on books, cars, letters Ohio, in 1974. The gum and the receipt are started to catch up. The first grocery item to just \$15,000. It was only when the American idea. Ten years later, they sold the rights for out of it. Silver died of leukaemia in 1963 and Neither of the inventors made any more money lampooned and central part of modern life. now on display in the Smithsonian Institution in be scanned was a bar of chewing gum in Troy, began to develop a similar system that IBM electronics giant RCA bought the patent and took off across the world Woodland watched bemused as their creation packages and passports. They have become a Washington, DC, and barcodes are, of course,

instantly. David Collins carriages or trucks how you could identify was trying to work out

THE BARCODE

the 30-second history

a supermarket executive and a senior lecturer attempt at an answer – with his friend and Philadelphia in 1948 led student Bernard Silver at the Drexel Institute of Technology in A conversation overheard between was about how to develop a system that could to pursue the idea of barcodes. The question Woodland was working to interest IBM in the barcode system patented in 1952, by which time too expensive. The two friends had their fellow-student Norman Joseph Woodland identify a product automatically. His first involved ultraviolet ink, which proved rather David Boyle 30-SECOND TEXT idea for the barcode who came up with the origina American electrical engineer BERNARD SILVER

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drawing a series of lines in the first developed barcodes by mechanical engineering who American lecturer in WOODLAND



Source: 30-second Great Inventions by David Boyle