

TIME MACHINE

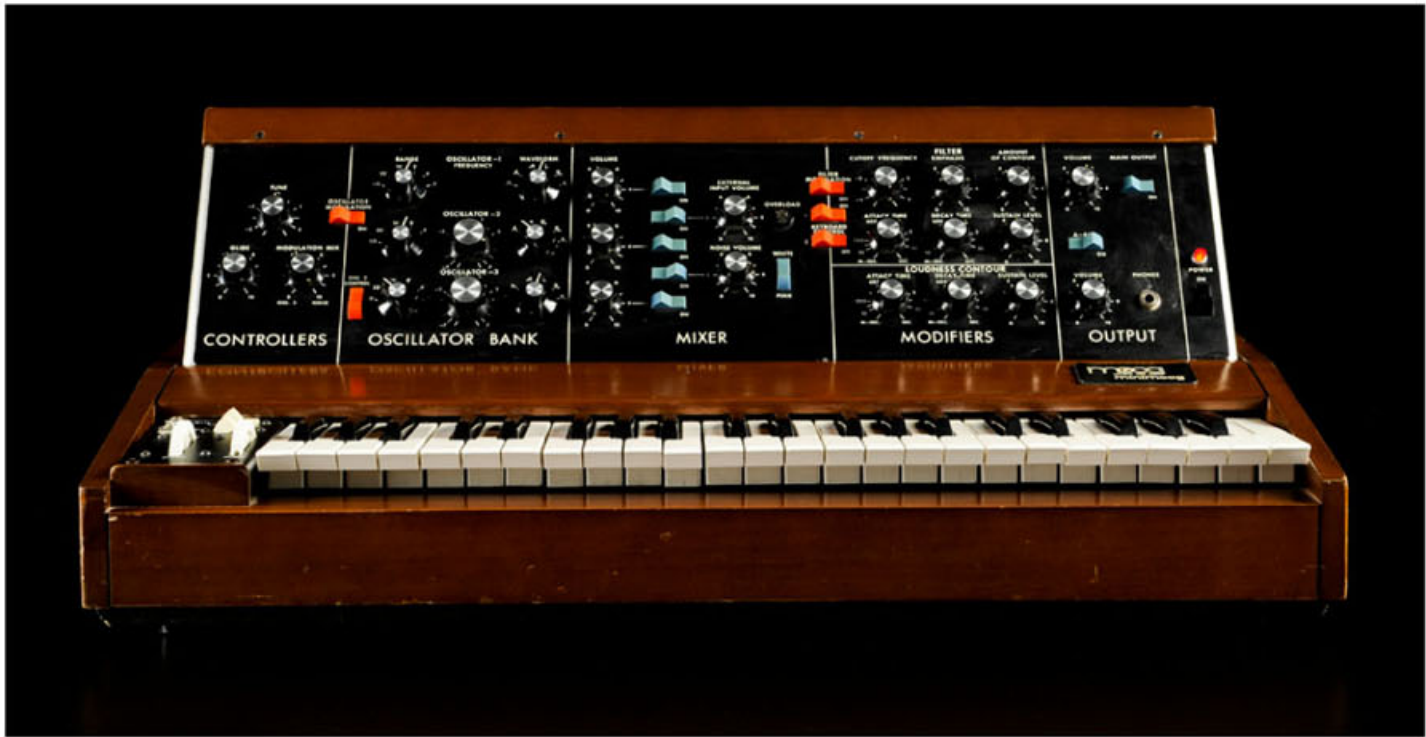
# THE EARLY DAYS OF THE MINIMOOG

*Back to  
when things  
weren't how  
they are now*

We're spinning back to 1967, to the birth of Dr Bob's Amazing Contraption, aka **THE MINIMOOG**, arguably the most famous synth of all time

Words: **MARK ROLAND**





If you wanted to take a year out of history and hold it up in order to prove to an alien or a halfwit that pop music contains some of mankind's finest achievements, 1967 would certainly fit the bill. The Beatles released 'Sgt Pepper's Lonely Hearts Club Band', The Rolling Stones released 'Their Satanic Majesties Request', Pink Floyd and The Velvet Underground made their album debuts, Jimi Hendrix cranked out two records, and Brian Wilson gave up on The Beach Boys' 'Smile' sessions. So far, so Wikipedia.

The summer of 1967, the Summer of Love, also saw the Monterey Pop Festival, a three-day event held at a county fairground in California. The festival is a music landmark and is remembered for, among other things, Jimi Hendrix setting fire to his guitar, captured in the 'Monterey Pop' movie by DA Pennebaker (who, more than 20 years later, would make Depeche Mode's '101' film). It's a nice thought that the iconic torching of a guitar may have a symbolic resonance for fans of electronic music, because Monterey was also the venue for a less flashy but no less auspicious appearance.

You don't see the names Beaver & Krause in many Monterey Pop write-ups, but they were there. Paul Beaver and Bernie Krause were both well known on the Los Angeles music scene and they set up a booth at the festival to demonstrate the Moog Modular. Dr Robert Moog's original company – R.A. Moog Co – was based in New York City at the time, but Beaver was their West Coast rep and his Monterey gamble paid off. This was the year that the Moog was first used on commercial pop recordings, usually played by

Beaver. Among the records that featured his Moog sounds were The Monkees' 'Pisces, Aquarius, Capricorn & Jones Ltd', which included the spectacularly bonkers 'Daily Nightly', and LA psych-rockers The Electric Flag's soundtrack to Roger Corman's film 'The Trip'.

The following year, Bernie Krause showed the Moog system to George Harrison, who made his album 'Electronic Sound' with it (much of it played by Krause himself, although Krause later disowned the release). The Doors' 'Strange Days', issued in early 1968, also boasted Paul Beaver's Moog contributions, but when he later tried to put the machine through its paces for the band and their producer, recapturing sounds proved very difficult. The modular system, while sophisticated and clearly all kinds of awesome, was unwieldy and just too plain difficult for rock musicians to cope with. Patch cords? On acid? Fuggetabahtit.

Back in New York, the guys at R.A. Moog Co were by now working on the Minimoog, a machine that would combine an exotic sound palette with something musicians, stoned or otherwise, demanded – playability and portability. The first Minimoog, the Model A, was built by Moog engineer Bill Hemsath from spare parts he found in his workshop during lunch breaks. The keyboard was rescued from what remained of the five-octave keyboard that was being cannibalised for replacement keys. It so happened there were just three octaves left. Where the mod wheel ended up was a blank space, which Hemsath decided needed something, so he put a pot there to bend the note.



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After several refinements and unreleased iterations, the final result of a fairly DIY process saw the light of day in 1970 – the monophonic Minimoog Model D. It came housed in a handsome walnut case and the control panel was propped up perpendicular to the three-and-a-half octave keyboard. The control panel could be dropped back into the box for storage and travel. “A Moog for the Road” was the advertising line and the marketing blurb also touted its “affordability”. Which at \$1,495, close to \$10,000 in today’s money, was stretching it a bit.

“When the Minimoog first came out in 1971 – only one was made in 1970 – it was a slow, tentative start,” says official Moog historian and archivist Brian Kehew. “They had trouble convincing many people of its worth. Some studio and traveling musicians accepted it at first, but it was only a few dozen.”

According to Brian Kehew, it was the tireless efforts of Moog salesman David Van Koevering that made the Minimoog a success.

“He was a touring musician who saw the public response to his own Moog demonstrations. He found that he could move from town to town with a stack of Minimoogs, using clever ideas to convince reluctant music stores to sell the unusual instrument. It’s hard to imagine, but nearly everyone felt a synthesiser was too difficult to understand and operate. Van Koevering showed musicians the sonic power and flexibility of the instrument at their local shows, then he’d take prospective customers to their nearest store to prove to the store

