



Aichi Prefectural Art Theater Concert Hall

Organ Book

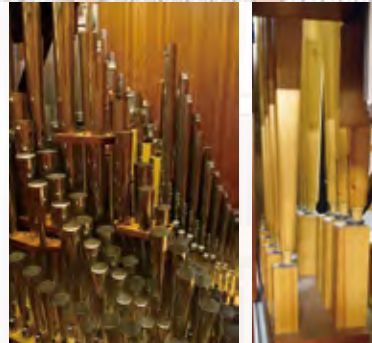
Aichi Prefectural Art Theater Concert Hall's Pipe Organ

(Produced by Karl Schuke Berliner Orgelbauwerkstatt)

With a total of 6,883 pipes, 93 types of stops (tones), 5 manual keyboards and 1 pedalboard, Aichi Prefectural Art Theater's pipe organ is one of the largest within Japan. It was designed and produced over a 4-year period in Berlin, and after half a year of assembly and tuning within the theater, it was completed in early September 1992. Completely custom-made, this is one of the largest pipe organs in the world.

6,883 Pipes

Primarily made of tin and lead alloy, also with wooden ones. Long pipes produce a low pitch, while shorter pipes produce a higher pitch. There are 4 stages of length, with the highest around 11 meters, and the shortest about 1 centimeter, the length of a pinky fingernail. The tone differs depending on the material, shape, and sound production method. One pipe can only produce one type of tone and pitch.



Keyboards

5 Manuals (Hand Keyboards)
1 Pedalboard

Pressing the keyboard opens up valves, letting air flow into the pipes and producing sounds.



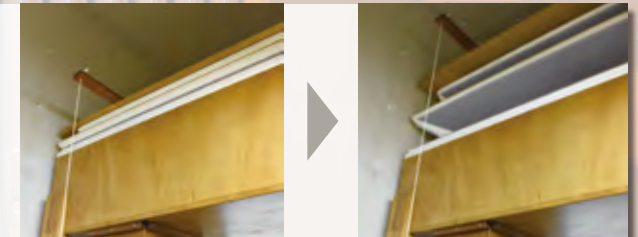
93 Types of Stops (Tones)

A keyboard is assigned to each, and pulling the knob opens up an air passage to the pipe. Combining them can produce an almost infinite variety of tones.



Bellows (Ventilator)

In the past this was powered by people, but now air is stored using an electric fan (motor).



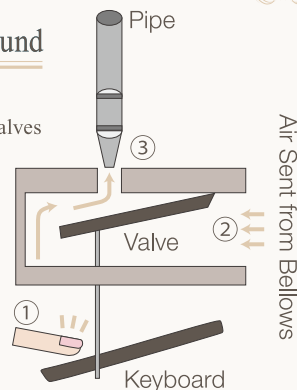
How Pipe Organs Produce Sound

① Press the keyboard to open the valves

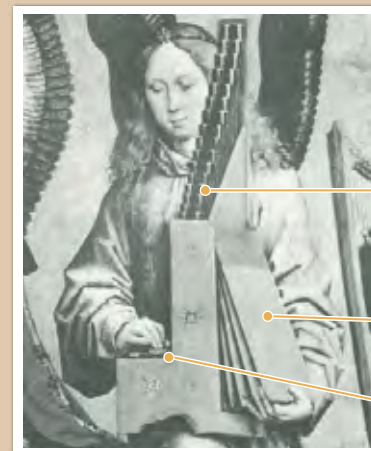
② Air is sent from the bellows

③ Air flows into each pipe

Sound is produced.



►Picture of a person playing a small-scale organ by herself. While sending air through the pipes by controlling the bellows with the left hand, she plays the keyboard with her right hand.

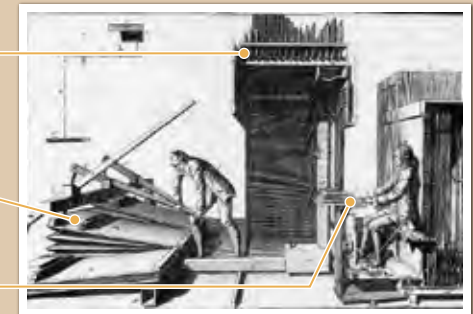


▼When large-scale organs began to be produced in churches, there became a need for a calcant – someone who operates the bellows separate from the organist, as shown in the picture below.

Pipe

Bellows

Keyboard



Overhaul in the 25th Year

An overhaul was held in accordance with the renovations of the concert hall (from August 2017 until November 2018). Seven organ builders from all over Japan, and four engineers dispatched from Karl Schuke Berliner Orgelbauwerkstatt, the producer of this organ, spent about 3 months removing most of the pipes for maintenance, reassembling each one by one while fine-tuning the sound.



Aichi Prefectural Art Theater Organist: Yurie Tsuzuki



Born in Toyota City, Aichi Prefecture, she began playing the organ from the age of 15, at the Toyota City Concert Hall Organ Classroom. She graduated from the Tokyo University of the Arts, Department of Instrumental Music, majoring in the Organ Course, and obtained her graduate degree at its graduate school. She has studied the organ under Yuichiro Shiina, Tsuguo Hirono, and Megumi Tokuoaka, the harpsichord with Naoya Otsuka, and Basso continuo with Yuichiro Shiina. She was selected for the Agency for Cultural Affairs project Young Musicians Concert Plan 2012 with Tatsuzo Akasaka. She plans and performs concerts at the Aichi Prefectural Art Theater Concert Hall. During graduate

school she moved to Europe, and studied the organ under Pier Damiano Peretti at the University of Music and Performing Arts Vienna. In 2016 she completed the university's organ course master's program with unanimous excellent grades. In 2017, she took 2nd place in the 5th International Organ Competition Agati Tronci held in Pistoia, Italy. Since returning to Japan in 2017, she has been holding concerts based in her hometown of Aichi as well as in Tokyo. In November 2018 she took the position of the Aichi Prefectural Art Theater Organist. She is a member of the Japan Association of Organists (general incorporated association).

Contact

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