

## **The Longwood Gardens Organ**

Aeolian (Opus 1726) 1929-1930, rebuilt 1957-1959, 2004-2013. Console 2000-2001, upgraded 2019.

**GREAT (II, enclosed)**

16 Double Diapason  
 16 Bourdon  
 8 First Diapason  
 8 Second Diapason  
 8 Third Diapason  
 8 Fourth Diapason  
 8 Gamba  
 8 Tibia Clausa  
 8 Major Flute  
 8 Melodia  
 8 Gemshorn  
 4 First Octave  
 4 Second Octave  
 4 Flute Harmonique  
 3 1/5 Tenth  
 2 2/3 Twelfth  
 2 Fifteenth  
 Mixture V  
 16 Double Trumpet  
 8 Harmonic Trumpet  
 8 Double Trumpet (16)  
 8 Tuba Profunda (SO)  
 4 Clarion  
 Great Unison Off  
 Great 16  
 Great 4  
 Tremolo  
 Variable Tremolo  
 Chimes  
 Piano 8  
 First Harp 8  
 First Harp 4  
 Second Harp 8  
 Second Harp 4  
 Celesta  
 Fanfare on Great  
 String on Great  
 Percussion on Great  
 Swell to Great 16  
 Swell to Great 8  
 Swell to Great 4  
 Choir to Great 16  
 Choir to Great 8  
 Choir to Great 4  
 Solo to Great 16  
 Solo to Great 8  
 Solo to Great 4  
 Fanfare to Gt SFZ Toe Stud  
 Solo to Gt SFZ Toe Stud  
 Solo Melody to Great

**SWELL (III, enclosed)**

16 Viola Diapason  
 16 Melodia  
 8 Open Diapason  
 8 Phonon Diapason  
 8 Horn Diapason  
 8 Geigen Diapason  
 8 Viola di Gamba  
 8 Gamba Celeste  
 8 Viole d'Orchestre  
 8 Viole Celeste  
 8 Salicional

8 Voix Celeste  
 8 Claribel Flute  
 8 Rohr Flute  
 8 Flauto Dolce  
 8 Flute Celeste  
 4 First Octave  
 4 Traverse Flute  
 4 Violina  
 2 Flautino  
 Grand Mixture V  
 4 Second Octave (V)  
 2 2/3 Twelfth (V)  
 2 Fifteenth (V)  
 1 1/3 Nineteenth (V)  
 1 Twenty-second (V)  
 Dolce Cornet IV  
 16 Posaune  
 16 Vox Humana  
 8 French Trumpet  
 8 Cornopean  
 8 Posaune (16)  
 8 Basset Horn  
 8 Oboe  
 8 Vox Humana F  
 8 Vox Humana P  
 4 Clarion  
 Swell Unison Off  
 Swell 16  
 Swell 4  
 Tremolo  
 Variable Tremolo  
 Chimes  
 First Harp 8  
 First Harp 4  
 Second Harp 8  
 Second Harp 4  
 Celesta  
 Fanfare on Swell  
 String on Swell  
 Percussion on Swell  
 Choir to Swell 16  
 Choir to Swell 8  
 Choir to Swell 4  
 Solo to Swell 16  
 Solo to Swell 8  
 Solo to Swell 4  
 Choir Melody on Swell  
 String Melody on Swell

**CHOIR (I, enclosed)**

16 Contra Gamba  
 8 Open Diapason  
 8 English Diapason  
 8 Geigen Diapason  
 8 Viola  
 8 Hohlflute  
 8 Nachthorn  
 8 Spitzflute  
 8 Dulciana  
 8 Quintadena  
 4 Principal  
 4 Triangular Flute  
 2 Piccolo  
 Mixture III

2 2/3 Nazard (III)  
 1 3/5 Tierce (III)  
 1 1/7 Septieme (III)  
 16 Fagotto  
 8 Orchestral Trumpet  
 8 Double Trumpet (GR)  
 8 Saxophone  
 8 Clarinet  
 8 Oboe d'Amore  
 8 Musette  
 8 Corno d'Amore  
 Choir Unison Off  
 Choir 16  
 Choir 4  
 Tremolo  
 Variable Tremolo  
 Pedal Unison Off  
 Pedal to Choir  
 Chimes  
 First Harp 8  
 First Harp 4  
 Second Harp 8  
 Second Harp 4  
 Celesta  
 Tom Tom  
 Tambourine  
 Castanets  
 Triangle  
 Snare Drum (Tap)  
 Snare Drum (Roll)  
 Piano 4  
 Piano 8  
 Piano 16  
 Fanfare on Choir  
 String on Choir  
 Percussion on Choir  
 Percussion on Pedal  
 String Melody on Choir  
 Swell to Choir 16  
 Swell to Choir 8  
 Swell to Choir 4  
 Solo to Choir 16  
 Solo to Choir 8  
 Solo to Choir 4  
 Great to Choir  
 All Swells to Shoe IV  
 All Swells to Shoe V  
 All Swells to Swell Slide  
 All Swells to Great Slide  
 All Swells to Choir Slide

**SOLO (IV, enclosed)**

8 Open Diapason  
 8 Stentorphone  
 8 Tibia Plena  
 8 Gross Gamba  
 8 Gamba Celeste  
 8 Philomela  
 8 Doppel Flute  
 4 Octave  
 4 Orchestral Flute  
 Mixture V  
 2 2/3 Twelfth (V)  
 2 Fifteenth (V)

1 1/3 Nineteenth (V)  
 1 Twenty-Second (V)  
 2/3 Twenty-Sixth (V)  
 16 Tuba Profunda  
 8 Tuba Mirabilis  
 8 Tuba Sonora  
 8 Tuba Profunda (16)  
 8 French Horn  
 8 Bell Clarinet  
 8 Orchestral Oboe  
 8 English Horn  
 8 Kinura  
 8 Solo Vox Humana  
 4 Tuba Clarion  
 Solo Unison Off  
 Solo 16  
 Solo 4  
 Tremolo  
 Variable Tremolo  
 Chimes  
 First Harp 8  
 First Harp 4  
 Second Harp 8  
 Second Harp 4  
 Celesta  
 String on Solo  
 Percussion on Solo  
 Fanfare off Solo  
 Swell to Solo 16  
 Swell to Solo 8  
 Swell to Solo 4  
 Choir to Solo 16  
 Choir to Solo 8  
 Choir to Solo 4  
 Great to Solo  
 Melodic Pedal Bass to Solo  
 Page Turn <  
 Page Turn >

**FANFARE (IV, enclosed)**

8 Harmonic Trumpet  
 8 Military Trumpet  
 8 Post Horn  
 4 Trumpet  
 8 Tuba Profunda (SO)  
 8 Tuba Mirabilis (SO)  
 Fanfare Unison Off  
 Fanfare 16  
 Fanfare 4  
 Tremolo

**STRING (floating, enclosed)**

16 Contrabasse  
 16 Contra Salicional  
 8 Viola di Gamba  
 8 Viola Celeste  
 8 Viole d'Orchestre  
 8 Viole Celeste  
 8 Violoncello  
 8 Violoncello Celeste  
 8 Viola d'Amore  
 8 Viola Celeste  
 8 Violino Sordo

8 Violino Celeste  
 8 Salicional  
 8 Voix Celeste  
 8 Viola Sordo  
 8 Viola Celeste  
 4 Gambetta  
 4 Salicet  
 4 Violina  
 8 Vox Humana  
 String Unison Off  
 String 16  
 String 4  
 Tremolo  
 Variable Tremolo  
 Piano 16  
 Piano 8  
 Piano 4  
 All Celestes Off  
 All Tremolos Off  
 Variable Tremolo Normal/  
 Theatre  
 Gong Crash on Rev. 9  
 String Expression Reverse  
 Expression Matrix on  
 Generals

**PERCUSSION** (floating,  
 with some controlled  
 from Choir or Pedal)

ENCLOSED

Glockenspiel (single)  
 Glockenspiel (repeat)  
 Celestial Harp  
 Celestial Harp Vibrato  
 Xylophone (single)  
 Xylophone (repeat)  
 Chimes  
 Chimes Dampers Off  
 Celesta  
 Triangle  
 Tambourine  
 Castanets  
 Tom Tom  
 Snare Drum (tap)  
 Snare Drum (roll)  
 Cymbals  
 Tympany (tap)  
 Tympany (roll)  
 Bass Drum  
 Gong (*crash or roll,  
 from toe spoon*)

UNENCLOSED

First Harp 8  
 First Harp 4  
 Second Harp 8  
 Second Harp 4  
 Harps F/P  
 Harp Dampers Off  
 Zimbelstern  
 Glockenstern  
 Tuned Sleigh Bells (single)  
 Tuned Sleigh Bells (repeat)  
 Nightingale

**PEDAL** (unenclosed)  
 64 Gravissima (resultant)  
 32 Double Diapason  
 32 Contra Bourdon  
 32 Contra Violone  
 16 First Diapason  
 16 Second Diapason  
 16 Phonon Diapason  
 16 First Bourdon  
 16 Second Bourdon  
 16 Third Bourdon (GR)  
 16 Violone  
 16 Diapason (GR)  
 16 Viola Diapason (SW)  
 16 Contrabasse (ST)  
 16 Melodia (SW)  
 16 Gamba (CH)  
 16 Salicional (ST)  
 10 2/3 Quint  
 8 Octave (First Diapason)  
 8 Flute (First Bourdon)  
 8 Gedeckt (Second Bourdon)  
 8 Melodia (SW)  
 8 Viola Diapason (SW)  
 8 Cello (Violone)  
 4 Flute (Second Bourdon)  
 Mixture V  
 32 Contra Bombarde  
 32 Contra Fagotto (CH)  
 16 Bombarde  
 16 Tuba Profunda (SO)  
 16 Double Trumpet (GR)  
 16 Posaune (SW)  
 16 Fagotto (CH)  
 8 Tromba  
 8 Trumpet (GR)  
 4 Clarion  
 Piano 16  
 Piano 8  
 Pedal Divide  
 Pedal 4  
 Great to Pedal 8  
 Great to Pedal 4  
 Swell to Pedal 8  
 Swell to Pedal 4  
 Choir to Pedal 8  
 Choir to Pedal 4  
 Solo to Pedal 8  
 Solo to Pedal 4  
 String to Pedal 8  
 String to Pedal 4  
 Fanfare to Pedal 8  
 Fanfare to Pedal 4  
 Percussion to Pedal 4  
 Chimes  
 Tympany Tap  
 Tympany Roll  
 Snare Drum Roll  
 Bass Drum  
 Cymbals  
 Pedal Traps 1<sup>st</sup>/2<sup>nd</sup> Touch  
 First Harp 4  
 Second Harp 2  
 Pizzicato Bass

**SPECIAL FUNCTIONS**

All Swells to IV, V shoes; to  
 Great, Choir, Swell Thumb  
 Slides  
 Pedal Divide (*separation  
 point can be changed on  
 an iPad Palette and saved  
 on General Pistons*)  
 Fanfare to Great 8 SFZ  
 (*momentary via toe stud*)  
 Solo to Great 8 SFZ  
 (*momentary via toe stud*)  
 Melodic Pedal Bass to Solo  
 (*lowest Solo note adds Pedal*)  
 Solo Melody to Great  
 (*top note adds SO*)  
 Choir Melody to Swell  
 (*top note adds CH*)  
 String Melody to Swell  
 (*top note adds ST*)  
 String Melody to Choir  
 (*top note adds ST*)  
 Pedal to Choir  
 Choir Percussions to Pedal  
 Great/Choir Transfer  
 All Tremolos Off  
 All Celestes Off  
 Pedal Unison Off  
 Page Turn >, Page Turn <

**PISTONS**

Next: 7  
 Previous: 1  
 All General Pistons become  
 Next  
 All Divisional Pistons  
 become Next  
 Generals: 1-24  
 Choir: 8  
 Great: 8  
 Swell: 8  
 Solo/Fanfare: 8  
 Strings set on SW Pistons 1-8  
 Strings set on GR Pistons 1-8  
 Strings set on CH Pistons 1-8  
 4 Reversibles: CH, GR, SW,  
 SO to Pedal  
 4 Reversibles (*programmable*)  
 All Swells to IV, V shoes; to  
 GR slide  
 Sostenuito on GR, CH, or SW  
 (*4 types available; can be  
 set on Generals*)  
 Crescendo I fixed; II, III, IV can  
 be set  
 Blind Check for Crescendo  
 Adjust for Crescendo  
 Tutti (*programmable*)  
 Set  
 Scope  
 Library  
 Restore  
 Cancel

**FOOT CONTROLS**

Toe Studs  
 Next: 2  
 Previous: 1  
 Pedal: 8  
 Generals 25-38  
 Reversibles: 7 (*programmable*)  
 Pedal Traps 2<sup>nd</sup> Touch  
 SFZ (while depressed, from  
 Solo or Fanfare)  
 Piano/Harp/Chimes Dampers  
 Off toe switch on Shoe 1  
 Nightingale

Toe Spoons

Swell Sostenuito  
 Great Sostenuito  
 Choir Sostenuito  
 Reversible: 1 (*programmable*)  
 Great to Pedal  
 Gong (*also on Rev. 9 via  
 String tab*)  
 Tutti (*programmable*)

**EXPRESSION MATRIX**

63 buttons assign any  
 manual division's expression,  
 singly or multiply, to the 6  
 expression shoes or 3 thumb  
 slides

5 Expression Shoes  
 1 Crescendo/Expression  
 Shoe

7 Expression Bar Lights  
 indicate the shade  
 positions of all enclosed  
 divisions

**VARIABLE TREMOLOS**

The speed is controlled by  
 assigning that division's  
 Variable Tremolo to any of  
 the 6 expression shoes or 3  
 thumb slides

**INDICATORS**

7 Numerical Readouts  
 46 Indicator Lights  
 81 Matrix Lights  
 7 Expression Bar Lights  
 16 Reservoir Off Switches  
 that light when engaged

**OTHER**

Transposer  
 Piston Sequencer  
 Recorder/Player  
 Clock & Timer