

# CONFERENCE CENTER ORGAN

The Church of Jesus Christ of Latter-day Saints

Salt Lake City, Utah, USA

Schoenstein & Co., Opus 139 — 2000-2003

Five-manual and pedal movable console

103 voices, 130 ranks, 7,708 pipes

The organ in the Conference Center was built in 2000-2003 by Schoenstein & Co. of San Francisco. This organ of the American Romantic style employs a symphonic tonal approach with the richness and warmth characteristic of English instruments. Although designed primarily to provide colorful and varied accompaniment, the organ also renders the solo repertoire beautifully. A five-manual console controls the 7,708 pipes of its 130 ranks, which are spread across seven divisions (including the Grand Solo, which is housed in the Solo chamber but is controlled by independent swell shades).

## Great Manual II

23 voices, 32 ranks, 1,905 pipes

Wind pressure 5½" (140 mm.)

32'	Dulciana .....	61 pipes
16'	Double Open Diapason ..	61 pipes
16'	Bourdon (Wood) .....	61 pipes
8'	Stentor Diapason (Solo)	
8'	Large Open Diapason.....	61 pipes (7½"/190 mm. wind)
8'	Open Diapason .....	61 pipes
8'	Horn Diapason .....	61 pipes
8'	Gamba .....	61 pipes
8'	Gemshorn .....	61 pipes
8'	Harmonic Flute.....	61 pipes
8'	Doppelflöte (Wood) .....	61 pipes
4'	Principal .....	61 pipes (7½"/190 mm. wind)
4'	Octave .....	61 pipes
4'	Octave Gemshorn.....	61 pipes
4'	Forest Flute .....	61 pipes
2½'	Twelfth .....	61 pipes
2'	Fifteenth .....	61 pipes
1¾'	Seventeenth .....	61 pipes
2'	Full Mixture IV-V .....	266 pipes (7½"/190 mm. wind)
2'	Mixture IV.....	215 pipes
1½'	Sharp Mixture .....	175 pipes
16'	Bass Trumpet .....	61 pipes (7½"/190 mm. wind)
8'	Trumpet.....	61 pipes (7½"/190 mm. wind)
4'	Clarion.....	61 pipes (7½"/190 mm. wind)
8'	Tuba Mirabilis (Orchestral)	
8'	Millennial Trumpet (Solo)	
	Les cloches de Hinckley.	32 notes
	Cymbelstern	
	Tremulant	

## Swell (enclosed) Manual III

22 voices, 28 ranks, 1,817 pipes

Wind pressure 5½" (140 mm.)

16'	Double Open Diapason ..	68 pipes
16'	Bourdon (Wood) .....	68 pipes
8'	Open Diapason.....	68 pipes
8'	Small Open Diapason ....	68 pipes
8'	Silver Flute .....	68 pipes
8'	Bourdon .....	12 pipes
8'	Viole de gambe .....	68 pipes
8'	Viole céleste.....	68 pipes
8'	Flauto Dolce.....	68 pipes
8'	Flute Celeste (TC).....	56 pipes
4'	Principal .....	68 pipes
4'	Harmonic Flute .....	68 pipes
2'	Fifteenth .....	61 pipes
2¾'	Cornet III .....	183 pipes
2'	Plein Jeu V .....	276 pipes
32'	Contra Fagotto .....	68 pipes (10"/254 mm. wind)
16'	Bombarde.....	68 pipes
16'	Fagotto 12 pipes	
	(10"/254 mm. wind)	
8'	Trompette.....	68 pipes
8'	Corno pean.....	68 pipes (10"/254 mm. wind)
8'	Oboe.....	68 pipes
8'	Voix humaine.....	61 pipes
	Separate tremulant draws with Voix humaine stop knob	
4'	Clairon harmonique .....	68 pipes
4'	Clarion .....	68 pipes (10"/254 mm. wind)
	Tremulant	
	Swell to Swell 16'	
	Swell Unison Off	
	Swell to Swell 4'	

## Choir (enclosed) Manual I

23 voices, 23 ranks, 1,539 pipes

Wind pressure 5½" (140 mm.)

16'	Bass Viol .....	68 pipes
8'	Viola Pomposa.....	68 pipes
8'	Viola Celeste .....	68 pipes
8'	Echo Gamba .....	68 pipes
8'	Gamba Celeste.....	68 pipes
8'	Viol d'orchestre .....	68 pipes
8'	Viol céleste .....	68 pipes
16'	Lieblich Bourdon (Metal)	68 pipes
8'	Lieblich Bourdon.....	12 pipes
8'	Concert Flute (Wood)....	68 pipes
4'	Nachthorn .....	68 pipes
2¾'	Nazard .....	61 pipes
2'	Harmonic Piccolo .....	61 pipes
1¾'	Tierce.....	61 pipes
8'	Echo Diapason.....	68 pipes
4'	Fugara .....	68 pipes
2¾'	Twelfth .....	61 pipes
2'	Fifteenth.....	61 pipes
1½'	Nineteenth.....	61 pipes
1'	Twentysecond.....	61 pipes
16'	Flügel Horn.....	12 pipes
8'	Trumpet .....	68 pipes
8'	Flügel Horn.....	68 pipes
8'	Cromorne .....	68 pipes
4'	Rohr Schalmey .....	68 pipes
8'	Tuba Mirabilis (Orchestral)	
8'	Millennial Trumpet (Solo)	
	Harp .....	61 notes
	Celesta .....	61 notes
	Orchestral Bells .....	37 notes
	Tremulant	
	Choir to Choir 16'	
	Choir Unison Off	
	Choir to Choir 4	

**Note:** Choir stops are grouped by tonal family on specification and on stop jamb

**Solo** (enclosed) Manual IV  
10 voices, 19 ranks, 1,085 pipes  
Wind pressure 11½" (292 mm.)

8'	Open Diapason	61 pipes
8'	Phonon Diapason (Orchestral)	
8'	Symphonic Flute	61 pipes
4'	Principal	61 pipes
4'	Octave (Orchestral)	
2½'	Quint Mixture V	288 pipes
8'	French Horn	61 pipes
8'	Cor Anglais (Orchestral)	
8'	Clarinet (Orchestral)	
	Celestial Chimes	32 notes
	Orchestral Harp	61 notes
	Tremulant	
	Variable Tremulant	

**Separate Shades -- Grand Solo --**

Wind pressure 17½" (444 mm.)

16'	Bass Tuba	61 pipes
8'	Tuba	61 pipes
4'	Tuba Clarion	61 pipes
8'	Tuben (III Ranks)	
	<i>Draws Bass Tuba, Tuba, and Tuba Clarion at 8 pitch</i>	
2'	Tierce Mixture IV-VI	309 pipes

*Unenclosed Solo stops*

8'	Stentor Diapason	29 pipes
	<i>Extends Pedal Open Wood</i>	
	(25"/635 mm. wind)	
8'	Millennial Trumpet	61 pipes
	(15"/381 mm. wind)	
	Solo to Solo 16'	
	Solo Unison Off	
	Solo to Solo 4'	

**Orchestral** (enclosed) Manual V

10 voices, 10 ranks, 670 pipes  
Wind pressure 10" (254 mm.)

16'	Tibia Clausa (Wood)	12 pipes
8'	Phonon Diapason	61 pipes
8'	Tibia Clausa	61 pipes
8'	Stentor Gamba	61 pipes
8'	Celeste	61 pipes
4'	Octave	12 pipes
4'	Tibia Clausa	12 pipes
2½'	Tibia Twelfth	
2'	Tibia Piccolo	12 pipes
1¾'	Tibia Tierce	
16'	Clarinet	61 pipes
8'	Tuba Horn	61 pipes
	(15"/381 mm. wind)	
8'	Clarinet	12 pipes
8'	Cromorne (Choir)	
8'	Cor Anglais	61 pipes
8'	Orchestral Oboe	61 pipes

8'	Vox Humana	61 pipes
	(5½"/140 mm. wind)	
	<i>Separate tremulant draws with Vox Humana stop knob</i>	
	Tremulant	
	<i>Also draws Tuba Horn tremulant</i>	
	Variable Tremulant	
8'	Tuba Mirabilis	61 pipes
	(20"/508 mm. wind)	
	Orchestral to Orchestral 16'	
	Orchestral Unison Off	
	Orchestral to Orchestral 4'	

**Pedal**

15 voices, 18 ranks, 692 pipes  
Wind pressure 5½" (140 mm.)

64'	Gamba	4 pipes
	(GGGGG#)	
	(10"/254 mm. wind)	
32'	Diaphone (Wood)	12 pipes
	(25"/635 mm. wind)	
32'	Diapason	12 pipes
	(10"/254 mm. wind)	
32'	Gamba	12 pipes
32'	Dulciana (Great)	
32'	Sub Bass (Wood)	12 pipes
	(10"/254 mm. wind)	
16'	Diaphone (Wood)	32 pipes
16'	Open Wood	32 pipes
	(10"/254 mm. wind)	
16'	Diapason	32 pipes
16'	Great Diapason (Great)	
16'	Swell Diapason (Swell)	
16'	Violone (Wood)	32 pipes
	(7½"/190 mm. wind)	
16'	Gamba	32 pipes
16'	Bass Viol (Choir)	
16'	Dulciana (Great)	
16'	Sub Bass	32 pipes
16'	Tibia Clausa (Orchestral)	
16'	Bourdon (Swell)	
16'	Lieblich Bourdon (Choir)	
10¾'	Quint	32 pipes
8'	Open Wood	12 pipes
8'	Principal	32 pipes
8'	Gamba	12 pipes
8'	Flute	32 pipes
8'	Bass Viol (Choir)	
8'	Sub Bass	12 pipes
8'	Bourdon (Swell)	
8'	Lieblich Bourdon (Choir)	
4'	Choral Bass	32 pipes
4'	Octave Flute (Flute)	32 pipes
4'	Bass Viol (Choir)	
2¾'	Rauschquinte II	64 pipes

1⅓'	Mixture III	96 pipes
64'	Trombone	4 pipes
	(GGGGG#)	
	(20"/508 mm. wind)	
32'	Trombone	12 pipes
32'	Contra Fagotto (Swell)	
16'	Trombone	32 pipes
16'	Bass Tuba (Solo)	
16'	Bombarde (Swell)	
16'	Bass Trumpet (Great)	
16'	Fagotto (Swell)	
16'	Flügel Horn (Choir)	
16'	Clarinet (Orchestral)	
8'	Tromba	32 pipes
	(15"/381 mm. wind)	
8'	Bass Tuba (Solo)	
8'	Bass Trumpet (Great)	
8'	Bombarde (Swell)	
8'	Fagotto (Swell)	
8'	Clarinet (Orchestral)	
8'	Flügel Horn (Choir)	
4'	Tromba	12 pipes
4'	Bass Trumpet (Great)	
4'	Cromorne (Choir)	
	Pizzicato Bass	
	<i>Plays 16 Open Wood at 8' pitch through pizzicato relay</i>	
	Tower Chimes	32 notes

**Intermanual Couplers**

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'	
Orchestral to Great 16'	
Orchestral to Great 8'	
Orchestral to Great 4'	
Swell to Choir 16'	
Swell to Choir 8'	
Swell to Choir 4'	
Solo to Choir 8'	
Orchestral to Choir 8'	
Orchestral to Solo 8'	
Solo to Orchestral 8'	
Great Tutti to Solo	
Pedal Tutti to Swell	

## Pedal Couplers

Great to Pedal 8'  
Swell to Pedal 8'  
Swell to Pedal 4'  
Choir to Pedal 8'  
Choir to Pedal 4'  
Solo to Pedal 8'  
Solo to Pedal 4'  
Orchestral to Pedal 8'  
Orchestral to Pedal 4'

## Special Couplers

Pedal Tutti to Swell  
Pedal Tutti to Choir  
Great Tutti to Solo  
Pedal Divide 12/13  
Pedal Divide 17/18  
Pedal Divide 20/21  
*Pedal Divide deactivates  
pedal coupler notes 1-12 and  
pedal stop notes 13-32, etc.*  
Swell to Great Sforzando  
Solo to Great Sforzando  
*Sforzando couplers activated  
by toe lever*  
Grand Solo off Solo  
Grand Solo on Great  
Grand Solo on Swell  
Grand Solo on Choir  
MIDI to Great  
MIDI to Swell  
MIDI to Choir  
MIDI to Solo  
MIDI to Orchestral  
MIDI to Pedal

## Combinations (198 memories)

General ..... 0, 1-20  
1-5 and 11-15 duplicated by toe  
studs;  
1-3, 5-7 and 13-15 duplicated on  
right side of manuals  
Great ..... 0, 1-8  
Swell ..... 0, 1-8  
Choir ..... 0, 1-8  
Solo ..... 0, 1-8  
Orchestral ..... 0, 1-8  
Pedal ..... 0, 1-8  
Pedal pistons 1-8 duplicated on  
thumb pistons under Manual I

## Reversibles

Great to Pedal (thumb and toe)  
Swell to Pedal (thumb and toe)  
Choir to Pedal (thumb)  
Solo to Pedal (thumb)  
Orchestral to Pedal (thumb)  
Solo to Great (toe)  
64 Trombone (toe)  
64 Gamba (toe)  
32 Trombone (toe)  
32 Diaphone (toe)  
32 Fagotto (toe)  
32 Sub Bass (toe)  
Cymbelstern (thumb and toe)  
Manual I/II (thumb)  
with indicator light  
Full Organ (thumb and toe)  
with indicator light.  
(Separate settings for each  
memory level.)  
Note: Coupler reversibles affect sub  
and super couplers in off mode.

## Mechanicals

Swell expression pedal  
Choir expression pedal  
Solo expression pedal  
Orchestral expression pedal  
Expression shoe selector  
Crescendo pedal  
(4 sequences, all adjustable  
from console)  
30-segment LED Crescendo  
Pedal indicator

## Accessories

Peterson MSP-1000 Master Stop  
Processor system  
Combination set  
Memory selector  
MIDI In/Out/Thru jacks  
Yamaha MDF MIDI recorder  
Digital clock  
Clock mode selector  
Stop/Start, Reset buttons  
Clock synchronized to WWVB  
Broadcast timer  
Console fan on/off

## Case

Builders: Fetzers, Inc. (Salt Lake City);  
Louchard Yacht Restoration (Port  
Townsend, WA)  
Materials: walnut; cherry

## Tuning

Equal temperament; A=440 Hz at 74° F

## Blowers

Six electric blowers  
(Total of 33 h.p.)

## General Bibliography

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Pyra, Joe, "Organ presents challenge to center builders," *Ogden Standard Examiner*, Nov. 6, 1999, pp. 5A-6A.  
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The Tabernacle Choir at Temple Square is an ambassador for The Church of Jesus Christ of Latter-day Saints.  
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