GREAT ORGAN Manual II *7-1/2" wind pressure*

No.	Pitch	Name	Pipes	Period
1.	32'	Violone *(6" wind)*	61	III/I
2.	16'	Diapason	61	I
3.	16'	Bourdon	61	I
4.	8'	First Diapason	61	II/III
5.	8'	Second Diapason	61	I/III
6.	8'	Third Diapason	61	I/III
7.	8'	Fourth Diapason	61	I/III
8.	8'	Principal Flute	61	III
9.	8'	Doppelflöte	61	I
10.	8'	Claribel Flute	61	II
11.	8'	Erzähler	61	III
12.	8'	Gamba	61	I
13.	5-1/3'	Quint	61	I/III
14.	4'	Principal	61	III
15.	4'	Octave	61	I
16.	4'	Waldflöte	61	I
17.	4'	Hohlpfeife	61	II
18.	3-1/5'	Tenth	61	III
19.	2-2/3'	Twelfth	61	I
20.	2'	Fifteenth	61	III
21.	V	Chorus Mixture 4' E-2	305	III
22.	IV	Harmonics 1-3/5' D-7	244	III
23.	VII	Cymbale 1-1/3' F-2	427	III
24.	8'	Trumpet	61	I
25.	4'	Clarion	80	I
26.	16'	Contra Tromba)	61	III
27.	8'	Tromba) *(10" wind)*	61	III
28.	4'	Octave Tromba)	61	III
29.		String Ensemble		
30.		Chimes (Solo)		

SWELL ORGAN Manual III *10" wind pressure*

1.	16'	Bourdon	73	I/II
2.	16'	Gamba	73	I/II
3.	8'	Diapason	73	I/III
4.	8'	Geigen Diapason	73	I/III
5.	8'	Open Flute	73	I/II
6.	8'	Flauto Traverso	73	I/II
7.	8'	Gedeckt	73	I/III
8.	8'	Quintadena	73	I/II
9.	8'	Flute Celeste (2 ranks, sharp celeste, TC)	134	III
10.	8'	Gamba	73	I/II
11.	8'	Voix Celeste (2 rks, # and ##, draws #10)	134	I/II
12.	8'	Salicional	73	I/II
13.	8'	Aeoline	73	I/II
14.	8'	Unda Maris (tuned sharp, TC, draws #13)	61	I/II
15.	4'	Octave	73	III
16.	4'	Flute Triangulaire	73	III
17.	4'	Violina	73	I/II
18.	4'	Unda Maris (2 ranks, unison/sharp)	122	III
19.	2-2/3'	Twelfth	61	III
20.	2'	Flautino	61	III
21.	1-3/5'	Tierce	73	I/III
22.	V	Quint Mixture 2' C-1	305	III
23.	V	Cornet 4'/8' I-1	305	III
24.	16'	Posaune	73	I/II/III
25.	8'	Trumpet	73	III
26.	8'	Cornopean	73	III
27.	8'	Oboe	73	I/II/III
28.	4'	Clarion	73	III
29.	8'	Vox Humana (sep. chest/tremolo, *5" wind*)	61	I/III
30.		String Ensemble		
31.		Chimes (Solo #20)		
32.		Tremolo		

SOLO ORGAN Manual IV *15" wind pressure*

1.	16'	Diapason	73	II
2.	16'	Viole	73	II
3.	8'	Diapason (two ranks)	146	II
4.	8'	Flauto Mirabilis	73	II/III
5.	8'	Stopped Flute	73	I/II
6.	8'	Gross Gamba	61	III
7.	8'	Gamba Celeste (tuned sharp, draws #6)	61	III
8.	4'	Octave	73	III
9.	4'	Hohlpfeife	73	I/II
10.	4'	Gambette	73	III
11.	2-2/3'	Nazard	61	III
12.	2'	Piccolo	61	II
13.	V	Fourniture 2' C-3	305	III
14.	8'	Tuba	73	III
15.	8'	Trumpet	73	III
16.	8'	French Horn	73	III
17.	8'	Heckelphone	73	III
18.	5-1/3'	Quinte Tromba	61	I/III
19.	4'	Tuba Clarion	73	III
20.		Chimes F2 to G4 *tubes*	27	II
21.		Tremolo		
22.		String Ensemble *25" wind pressure*		
23.	16'	Ophicleide	73	II
24.	8'	Orchestral Trombone	73	VI
25.	8'	Tuba Mirabilis *unenclosed*	73	III
26.	8'	Trumpet Harmonique *unenclosed*	73	IV

ECHO ORGAN Manual II and IV (duplex action) *10" wind pressure*

1.	16'	Bourdon	73	II
2.	8'	Diapason	73	I/II
3.	8'	Cor de Nuit	73	II
4.	8'	Viole d'Amour	73	I/II
5.	8'	Dulciana	73	I/II
6.	8'	Vox Angelica (tuned sharp, draws #5)	73	I/II
7.	4'	Fernflöte	73	II
8.	8'	Trumpet	73	I/II
9.	8'	Oboe Horn	73	II
10.	8'	Vox Humana	61	II
11.		Chimes (Solo #20)		

CHOIR ORGAN Manual I *10" wind pressure*

1.	16'	Dulciana	73	I/II
2.	8'	Violin Diapason	73	III
3.	8'	Flute Harmonique	73	III
4.	8'	Gedeckt	73	I/II
5.	8'	'Cello	73	I/II/V
6.	8'	Dulciana	73	I/II
7.	4'	Octave	73	III
8.	4'	Flauto Traverso	73	I/II
9.	4'	Viola	73	I/II
10.	2'	Piccolo Harmonique	73	I/II
11.	16'	Fagotto	73	I/II
12.	8'	Corno d'Amore	73	III
13.	8'	Clarinet	61	I/II
14.		String Ensemble		
15.		Tremolo		

ORCHESTRAL ORGAN Manual I and III (duplex) *10" wind*

1.	8'	Concert Flute	73	II
2.	8'	Bois Celeste (tuned sharp, TC, draws #1)	61	II
3.	8'	Viole d'Orchestre	73	II
4.	8'	First Viole Celeste (tuned sharp, draws #3)	73	II
5.	8'	Second Viole Celeste (double sharp, + #4)	73	II
6.	8'	Muted Viole	73	II
7.	8'	Muted Celeste (tuned flat, draws #6)	73	II
8.	8'	Kleine Erzähler (2 ranks, sharp celeste, TC)	134	III
9.	4'	Orchestral Flute	73	III
10.	4'	Flûte à Cheminée	73	II
11.	2-2/3'	Nazard	61	III
12.	2'	Piccolo	61	III
13.	1-3/5'	Tierce	61	III
14.	1-1/3'	Larigot	61	III
15.	1-1/7'	Septième	61	III
16.	V	Dulciana Mixture 2-2/3' H-2	305	III
17.	16'	Bassoon (Orch #18)	12	III
18.	8'	Bassoon	73	III
19.	8'	French Horn	61	II
20.	8'	English Horn	61	IV
21.	8'	Corno di Bassetto	61	II
22.	8'	Orchestral Oboe	61	II
23.		Harp (C2 to C6, 8' pitch, from Orch #24)		
24.		Celesta (C1 to C6, 4' pitch) *bars*	61	III
25.		Chimes (Solo #20)		
26.		Tremolo		

STRING ENSEMBLE (any manual or pedal) *10" wind pressure*

1.	8'	Orchestral Strings I	flat/sharp	2 ranks	146 III
2.	8'	Orchestral Strings II	unison/sharp	2 ranks	146 III
3.	8'	Orchestral Strings III	unison/sharp	2 ranks	146 III
4.	8'	Orchestral Strings IV	unison/sharp	2 ranks	146 III
5.	8'	Muted Strings I	flat/sharp	2 ranks	146 III
6.	8'	Muted Strings II	unison/sharp	2 ranks	146 III
7.	8'	Muted Strings III	unison/sharp	2 ranks	146 III
8.	8'	Muted Strings IV	unison/sharp	2 ranks	146 III
9.	IV	Cornet des Violes 4' J-2			244 III
10.		Tremolo			

PEDAL ORGAN *6" wind pressure*

1.	64'	Gravissima (draws #2; #3 at 21-2/3' pitch)		
2.	32'	Diapason	32	I
3.	32'	Contra Bourdon (Great #3)	12	I
4.	32'	Violone (Great #1)		III/I
5.	16'	First Diapason	32	I
6.	16'	Second Diapason (1-12 Gt.; 13 up Ped. #2)	12	
7.	16'	Bourdon (Great #3)		
8.	16'	Gedeckt (Swell #1)		
9.	16'	Violone (Great #1)		
10.	16'	Gamba (Swell #2)		
11.	16'	Dulciana	32	I
12.	8'	Octave (Pedal #5)	12	
13.	8'	Principal (Pedal #6)	12	
14.	8'	Flute Bass (Great #3)		
15.	8'	Still Gedeckt (Swell #1)		
16.	8'	Salicional (Great #1)		
17.	8'	'Cello (Solo #6 and #7)		
18.	4'	Super Octave	32	I
19.	4'	Flute	32	I
20.	VI	Harmonics 5-1/3' K-13	192	III
21.	V	Mixture 4' K-11	160	III
22.	32'	Bombarde *(20" wind)*	32	IV/I
23.	16'	Trombone (Pedal #22)	12	IV/I
24.	16'	Bass Tuba (Solo #23)		
25.	16'	Fagotto (Choir #11)		
26.	10-2/3'	Quint Trombone (Great #26)		
27.	8'	Tromba (Pedal #23)	12	I
28.	8'	Tuba (Solo #23)		
29.	4'	Clarion (Solo #23)		
30.		String Ensemble		
31.		Chimes (Solo #20)		

ECHO PEDAL *10" wind pressure*

1.	16'	Diapason	32	II
2.	16'	Bourdon (Echo #1)		
3.	8'	Octave	12	II
4'	8'	Flute (Echo #1)		
5.		Chimes (Solo #20)		

COMBINATION PISTONS

Great	1 - 12, 0
Swell	1 - 12, 0
Choir	1 - 12, 0
Solo	1 - 12, 0
Couplers	1 - 4, 0
Solo-Echo	1 - 5, 0
Great-Echo	1 - 5, 0
General	1 - 10, 00
Combination Set	

COMBINATION TOE STUDS

General	2 - 4 - 6 - 8 - 10, 00
Pedal	1 - 10, 0

REVERSIBLE PISTONS

Great-to-Pedal Reversible
Swell-to-Pedal Reversible
Choir-to-Pedal Reversible
Solo-to-Pedal Reversible
All Swells to Swell *(with indicator light)*

REVERSIBLE TOE PEDALS

Great-to-Pedal Reversible
Swell-to-Pedal Reversible
Solo-to-Pedal Reversible
Sforzando I *(with indicator light)*
Sforzando II *(with indicator light)*

COUPLERS by rocking tablets

Swell to Pedal	8' – 4'
Great to Pedal	8'
Choir to Pedal	8' – 4'
Solo to Pedal	8' – 4'
Swell to Great	16' – 8' – 4'
Choir to Great	16' – 8' – 5-1/3' – 4'
Solo to Great	16' – 8' – 4'
Swell to Choir	8' – 4'
Solo to Choir	8'
Solo to Swell	8'
Swell to Solo	8'
Great to Solo	8'
Choir to Solo	8'
Swell to Swell	16' – 4'
Choir to Choir	16' – 4'
Solo to Solo	16' – 4'

Echo on Great off
Echo on Solo off

BALANCED PEDALS *(left to right)*

Choir Expression
Orchestral Expression
Swell Expression
Solo and Echo Expression
Register Crescendo *(with indicator light)*

The String Ensemble shades operate from the shoe of the manual upon which it is drawn; when engaged on the Great or Pedal, the String shades operate from the Orchestral shoe.

The present Orchestral English Horn and Solo unenclosed Trumpet Harmonique were installed by the Skinner Organ Company in 1931. At the same time, the twenty-four lowest resonators of the Bombarde-Trombone unit, originally large-scale and of wood, were replaced with new metal resonators.

ON/OFF THUMB PISTONS

Pedal to Manual Combinations Solo
Pedal to Manual Combinations Swell
Pedal to Manual Combinations Great
Pedal to Manual Combinations Choir
Solo Stops on Crescendo

KEY

I: George S. Hutchings, 1902 – '03
II: Steere Organ Company, 1915
III: Skinner Organ Company, 1928 – '29
IV: Skinner Organ Company, 1931
V: Hook & Hastings Battell Chapel organ, 1875
VI: Skinner Organ Company, 1928 – '29
(removed 1931, located and reinstalled 1994)

BLOWING PLANT

Two 20-horsepower Spencer Turbine blowers, arranged redundantly, each powered by a 240-volt direct-current Westinghouse motor.

SUMMARY

142 speaking stops
197 ranks
12,617 pipes

The Newberry Memorial Organ in Woolsey Hall was built in 1903 by the Hutchings-Votey Organ Company, improved mechanically and almost doubled in size in 1915 by the J. W. Steere & Son Organ Company, and rebuilt and enlarged in 1928 by the Skinner Organ Company of Boston. University Organist Harry Benjamin Jepson (1871-1952) was responsible for the design of the instrument, executed by Ernest M. Skinner and G. Donald Harrison of the Skinner firm. Consisting of 12,617 pipes arranged in 197 ranks and 142 speaking stops, it is one of the largest and most outstanding instruments of its period. The Newberry Organ has been kept tonally and technologically intact since its 1928/29 reconstruction, and is used throughout the academic year for concerts and gala events. It is maintained by the Associate Curators of Organs, Joseph F. Dzeda and Nicholas Thompson-Allen.