



### ***Calgary, Alberta—Knox United Church***

Four manuals and pedals, 62 stops, 70 ranks

Detached drawknob console, compass 61/32

Electro-pneumatic action

Casavant Opus 529 (1913); Refurbishment and Enlargement, 2002

Photograph: Stephen D. Miller

Knox Presbyterian Church was established in 1883 in the small settlement now named Calgary. The town grew quickly, and so did the church. The present church, a sandstone building, unofficially called “The Cathedral of the West,” was built in 1912. In 1925, Knox became a part of the United Church of Canada. Knox United Church remains in the downtown area of Calgary, a city now with a population of over 1,000,000.

The Casavant organ was originally built in 1913. In 1956, a major renovation of the organ was undertaken by the original builder. The present four-manual console was installed, and important tonal changes were made to reflect the aesthetics of the then emerging Organ Reform movement. Nineteen new stops were provided, mainly to replace older pipework. Additional minor tonal modifications were made afterwards. Among other things, the original Antiphonal Musette 8' was replaced with a Baroque-type Regal.

The sound egress of the organ in the room was not optimal. The acoustics of this large sanctuary are not especially live; the organ chambers were provided with too small tone openings into the chancel and the nave.

As these tone openings could not be enlarged, the solution proposed to improve the presence of the organ in the room was to revise its layout for better placement in the tone openings, and to enlarge the specification to add volume to the organ. This was achieved mainly by adding a Resonance division where most stops are extended from Pedal ranks. The Choir and Solo divisions, which were located within the same expressive enclosures, were merged into one single large division.

In addition to this extensive tonal revision, the work done in collaboration with Casavant's Representative in Western Canada, Stephen D. Miller, consisted of a thorough cleaning of the organ, converting the 1913 ventil-type electro-pneumatic windchests to pitman action, and rebuilding of the console with solid-state systems.

The compared specifications follow.

	<b>1956</b>		<b>2002</b>	
	<b>Great</b>		<b>Great</b>	
Double Diapason	16	Double Diapason	16	
Quintaton (new)	16	Quintaton	16	
Diapason	8	Diapason	8	
Principal	8	Principal	8	
Bourdon	8	Bourdon	8	
		Harmonic Flute (Resonance)	8	
Gemshorn (new)	8	Gemshorn	8	
Octave (new)	4	Octave	4	
Waldflöte	4	Waldflöte	4	
Koppelflöte (new)	4	Koppelflöte	4	
Octave Quint (new)	2 <sup>2</sup> / <sub>3</sub>	Octave Quint	2 <sup>2</sup> / <sub>3</sub>	
Super Octave (new)	2	Super Octave	2	
Furniture IV-V (new)	1 <sup>1</sup> / <sub>3</sub>	Furniture IV-V	1 <sup>1</sup> / <sub>3</sub>	
Trumpet	8	Trumpet (revoiced)	8	
Clarion	4	Clarion (revoiced)	4	
		Bombarde harmonique (Res.)	16	
Trompette harmonique (prepared)	8	Trompette harmonique (Res.)	8	
		Clairon harmonique (Res.)	4	

<b>1956</b>		<b>2002</b>	
<b>Swell</b>		<b>Swell</b>	
Gedackt	16	Gedeckt	16
Open Diapason	8	Open Diapason	8
Stopped Diapason	8	Stopped Diapason	8
Quintadena (new)	8	Quintadena	8
Viola da Gamba	8	Viola da Gamba	8
Voix Celeste	8	Voix Celeste	8
Aeoline	8	Aeoline	8
Principal	4	Principal	4
Flute Harmonique	4	Flûte harmonique	5
Piccolo	2	Piccolo	2
		Sesquialtera II (added 1970s)	2 <sup>2</sup> / <sub>3</sub>
Plein Jeu IV-V (new)		Plein Jeu IV-V	2
Contra Fagotto	16	Contra Fagotto	16
Trompette (new)	8	Trompette	8
Oboe	8	Oboe	8
Clairon (new)	4	Clairon	4
Tremulant		Tremulant	
		Trompette harmonique (Res.)	8
<b>Choir</b>		<b>Choir</b>	
Metallgedackt	8	Diapason (new)	8
Dulciana	8	Doppelgedackt	8
Fugara	4	Erzähler	8
Nazard (new)	2 <sup>2</sup> / <sub>3</sub>	Erzähler Celeste	4
Flageolet	2	Principal (new)	4
Larigot (new)	1 <sup>1</sup> / <sub>3</sub>	Concert Flute	4
Clarinet	8	Harmonic Nazard (new)	2 <sup>2</sup> / <sub>3</sub>
Tremulant		Harmonic Piccolo	2
		Harmonic Tierce (new)	1 <sup>3</sup> / <sub>5</sub>
		Plein Jeu III-V (new)	2
		Tuba	8
		Orchestral Oboe	8
		Cor Anglais	8
		Clarinet	8
		Tremulant	
		Bombarde harmonique (Res.)	16
		Trompette harmonique (Res.)	8
		Clairon harmonique (Res.)	4
<b>Solo</b>			
Doppelgedackt	8		
Erzähler	8		
Erzähler Celeste (new)	8		
Principal (new)	4		
Concert Flute	4		
Harmonic Piccolo	2		
Tuba	8		
Orchestral Oboe	8		
Cor Anglais	8		
Tremulant			

**1956**

<b>Antiphonal</b>	
Lieblich Gedackt	8
Viole	8
Viole Celeste	8
Aeoline	8
Violonprincipal	4
Flauto Amabile	4
Musette	8
Vox Humana	8
Tremulant	
Pedal Bourdon	16

<b>Pedal</b>	
Double Diapason (1-7 resultant)	32
Diapason (open wood)	16
Bourdon	16
Violone	16
Quintaton (Great)	16
Gedackt (Swell)	16
Spitzprinzipal (new)	8
Octave (ext.)	8
Bass Flute	8
Violoncello	8
Fifteenth (new, independent)	4
Cor de nuit (new, independent)	4
Fourniture IV (new)	2 2/3

**2002****Resonance**  
(new division)

Violone (1-44 from Pedal)	16
Bourdon (1-44 from Pedal)	16
Open Diapason	8
Violoncello	8
Bourdon	8
Harmonic Flute	8
Octave	4
Traverse Flute	4
Fourniture IV	2 2/3
Bombarde harmonique (ext.)	16
Trompette harmonique	8
Clairon harmonique (ext.)	4

<b>Antiphonal</b>	
Lieblich Gedackt	8
Viole	8
Viole Celeste	8
Aeoline	8
Violonprincipal	4
Flauto Amabile	4
Musette (reinstated)	8
Vox Humana	8
Tremulant	
Pedal Bourdon	16

<b>Pedal</b>	
Double Diapason (1-7 resultant)	32
Contra Bourdon (new, resultant)	32
Diapason	16
Metal Diapason (Great)	16
Bourdon	16
Violone	16
Quintaton (Great)	16
Gedackt (Swell)	16
Open Diapason (Resonance)	8
Spitzprinzipal	8
Octave (ext.)	8
Bass Flute (ext.)	8
Violoncello (ext.)	8
Fifteenth	4
Flute (Resonance)	4
Fourniture IV (new)	2 2/3
Contra Trombone (new, ext.)	32

Trombone	16	Trombone	16
Tromba (ext.)	8	Contra Fagotto (Swell)	16
Clarion (new, ext.)	4	Trumpet (ext.)	8
		Trompette harmonique (Res.)	8
		Clarion (ext.)	4
		Clairon harmonique (Res.)	4

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