

*The
Heinz Memorial Chapel
Pipe Organ*

Installation 1994-95

THE UNIVERSITY OF PITTSBURGH
Pittsburgh, Pennsylvania

The Heinz Memorial Chapel Pipe Organ

The pipe organ in the Heinz Memorial Chapel at the University of Pittsburgh, Opus 2176 of the Reuter Organ Company, is the generous gift of The Howard Heinz Endowment. The third organ to serve the Chapel, it has 4,272 pipes (73 ranks) and three electronic pedal stops.

The decision to restore and enhance the organ was hastened by new technology, ongoing maintenance concerns, and impending structural changes in the Chapel. Dr. Robert S. Lord, University organist, in consultation with David R. Salmen of the Reuter Organ Company, Lawrence, Kansas, prepared a design plan that envisioned the instrument reflecting the magnificence of the building—its soaring height, fine Gothic architectural detailing, and exquisite stained glass.

The organ, re-created in 1994-95, represents a trend in American organ building to re-use existing materials in an environmentally friendly and musically sound manner. This tradition has been practiced in Europe for centuries, with the most celebrated instruments having their musical basis built upon existing instruments.

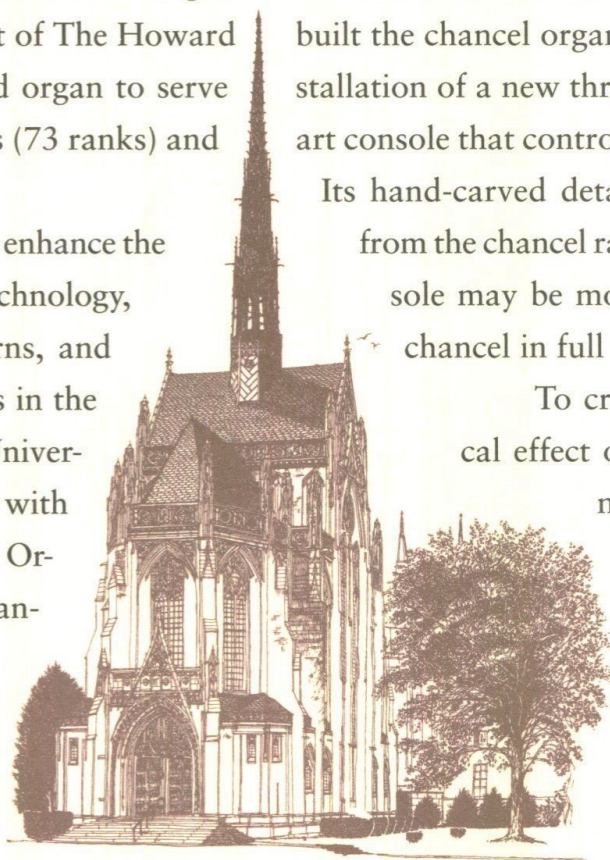
The project had two phases. The first phase rebuilt the two-manual console for the antiphonal

organ in the rear gallery, added new stops, and revoiced others before the chancel organ was dismantled. Thus, the Chapel was never without an organ to play for its many services and events. The second phase of the project rebuilt the chancel organ, culminating in the installation of a new three-manual, state-of-the-art console that controls the entire instrument.

Its hand-carved detailing replicates designs from the chancel rail. For concerts, the console may be moved to the front of the chancel in full view of the audience.

To create the stunning musical effect of this organ, it became necessary to replace nearly all of the previous instrument's principal choruses and mixtures. The Reuter Company designed new pipework of proper scaling and

mixtures with entirely new compositions. Most of the organ's flute and string choruses were retained and revoiced. Several new solo voices were added to enrich and complete the organ. Of the instrument's battery of 13 ranks of reeds, only three were retained from the previous instrument. New reed designs were employed to explore the musical luxury of having eight different ranks of trumpet stops. The Swell reed chorus is decidedly French in character, while the Choir and Great have more English influ-





ence. The commanding English Tuba, voiced on 25 inches of wind, is housed in its own expression chamber in the ceiling of the Chapel, nearly 90 feet above the transept floor.

In addition to musical considerations, mechanical repairs were necessary. Reuter made additions to the chest work and releathered the organ's 29 bellows along with all of the main organ's primaries and the individual pouch pneumatics of the Swell and Choir. The organ was completely rewired. Reuter replaced the Swell and Choir expression louvers and motors. The University cleaned and painted the organ chambers and constructed a new room

for the main organ blower.

Finally came the artistic process of voicing the instrument. The tonal finishing was done by Salmen and Stephen Barnhart. Each of the organ's 4,272 pipes was regulated for color, power, blend, attack, and pitch. During this phase of organ building, an instrument's beauty is discovered and the organ is married to the acoustics of the building. Upon completion, the Heinz Memorial Chapel organ was described as matching the brilliance and color of the famous Connick windows—possessing the presence and power to make the stones of the building sing.

The Heinz Memorial Chapel,

*an interdenominational chapel,
is a gift to the University
from Henry John Heinz and his children.*

*The University is most grateful for the ongoing support provided to the Chapel
by the Heinz family and their philanthropies.*

*Annually the Chapel is the site of approximately 1,500 events;
more than 100,000 people participate in religious services, weddings,
concerts, classes, lectures, memorial services, and guided tours.
Many simply seek its peace and beauty as a refuge.*

*Dedicated to culture, an understanding response to beauty and religious worship,
as the Heinz family intended, the Chapel is a vital part of the University of Pittsburgh
and the community.*

By its presence, it teaches that which cannot be measured or analyzed.



GREAT

16	Rohrbourdon	73 pipes
8	Principal	61 pipes
8	Harmonic Flute	73 pipes
8	Rohrbourdon	61 notes
4	Octave	61 pipes
4	Harmonic Flute	61 notes
2	Fifteenth	61 pipes
IV	Fourniture	244 pipes
III	Cymbale	183 pipes
16	Tromba	85 pipes
8	Tromba	61 notes
4	Tromba	61 notes
8	Tuba	61 pipes
	Chimes	25 tubes
	Tremulant	
	Great-Great 16	
	Great Unison Off	
	Great-Great 4	
	Swell-Great 16	
	Swell-Great 8	
	Swell-Great 4	
	Antiphonal Positive-Great 16	
	Antiphonal Positive-Great 8	
	Antiphonal Positive-Great 4	

ANTIPHONAL GREAT

8	Prestant	56 pipes
8	Hohlflute	56 pipes
8	Gemshorn	56 pipes
4	Prinzpal	56 pipes
2	Blockflote	56 pipes
1 1/3	Quint	56 pipes
II	Sesquialtera	60 pipes
8	Krummhorn	56 pipes
	Zimbelstern	
	Tremulant	
	Antiphonal Great-Great 16	
	Antiphonal Great Unison Off	
	Antiphonal Great-Great 4	

ANTIPHONAL POSITIVE

8	Holzgedeckt	56 pipes
4	Koppelflute	56 pipes
2	Weitprinzpal	56 pipes
1	Sifflole	56 pipes
III	Zimbel	168 pipes
8	Petite Trumpet	56 pipes
8	Krummhorn	56 notes
	Tremulant	
	Antiphonal Positive-Positive 16	
	Antiphonal Positive Unison Off	
	Antiphonal Positive-Positive 4	

SWELL

16	Contre Gamba	80 pipes
16	Flûte à Cheminée	80 pipes
8	Flûte à Cheminée	68 notes
8	Viola da Gamba	68 notes
8	Voix Céleste	56 pipes
4	Principal	68 pipes
4	Flûte Harmonique	68 pipes
2 2/3	Nazard	61 pipes
2	Flûte à bec	61 pipes
1 3/5	Tierce	61 pipes
IV	Plein Jeu	244 pipes
16	Bombarde	68 pipes
8	Trompette	68 pipes
8	Hautbois	68 pipes
8	Voix Humaine	68 pipes
4	Clarion	68 pipes
8	Tuba	61 notes
	Tremulant	
	Swell-Swell 16	
	Swell Unison Off	
	Swell-Swell 4	

CHOIR

8	Diapason	61 pipes
8	Dolcan	61 pipes
8	Dolcan Céleste	49 pipes
8	Stopped Flute	61 pipes
4	Octave	61 pipes
2 2/3	Twelfth	61 pipes
2	Recorder	61 pipes
1 3/5	Seventeenth	61 pipes
1 1/3	Nineteenth	61 pipes
III	Scharff	183 pipes
16	Dulcian	61 pipes
8	Tromba	61 notes
8	Trumpet	61 pipes
8	Shawm	61 pipes
16	Tuba tc	49 notes
8	Tuba	61 notes
4	Tuba	49 notes
	Tremulant	
	Choir-Choir 16	
	Choir Unison Off	
	Choir-Choir 4	
	Swell-Choir 16	
	Swell-Choir 8	
	Swell-Choir 4	

ANTIPHONAL PEDAL

16	Holzgedeckt	12 pipes
8	Prestant	32 notes
8	Holzgedeckt	32 notes
4	Prestant	32 notes
8	Krummhorn	32 notes
4	Krummhorn	32 notes

PEDAL

32	Untersatz	32 notes*
32	Sub Bourdon	32 notes*
16	Principal	32 pipes
16	Bourdon	56 pipes
16	Contre Gamba	32 notes
16	Rohrbourdon	32 notes
16	Flûte à Cheminée	32 notes
8	Octave	32 pipes
8	Bourdon	32 notes
8	Viola da Gamba	32 notes
8	Spitzflute	44 pipes
8	Rohrbourdon	32 notes
8	Flûte à Cheminée	32 notes
4	Choral Bass	32 pipes
4	Bourdon	32 notes
4	Spitzflute	32 notes
4	Harmonic Flute	32 notes
2	Nachthorn	32 pipes
III	Mixture	96 pipes
32	Contra Posaune	32 notes*
16	Posaune	56 pipes
16	Tromba	32 notes
16	Bombarde	32 notes
8	Posaune	32 notes
8	Tromba	32 notes
8	Bombarde	32 notes
4	Posaune	32 notes
4	Bombarde	32 notes
8	Tuba	32 notes
	Chimes	
	Great-Pedal 8	
	Great-Pedal 4	
	Swell-Pedal 8	
	Swell-Pedal 4	
	Choir-Pedal 8	
	Choir-Pedal 4	
	Antiphonal Great-Pedal 8	
	Antiphonal Great-Pedal 4	
	Antiphonal Positive-Pedal 8	
	Antiphonal Positive-Pedal 4	

* indicates Allen electronic

Peterson Orga-plex switching
Tranposer - Midi sequencer
Peterson Master Stop Processor
98 Addressable memory banks
20 General pistons
6 Divisional pistons for GT, SW,
CH, ANT. POS, ANT. GT,
PD, ANT. PD, MIDI
11 Reversibles
3 Tutti