THE DIAPASON

OCTOBER, 1998

Holy Trinity Catholic Church, Peachtree City, Georgia
Specification on page 20

COVER

A. E. Schlueter Pipe Organ Company has completed the building and installation of a two-manual 27-rank electro-pneumatic instrument for Holy Trinity Catholic Church in Peachtree City, Georgia.

When contemplating renovation and enlargement of the present sanctuary, it was decided to look to alternatives to replace and aging electronic organ. The vision of the church leadership looked toward the placement of a pipe organ in their new sanctuary. Working closely with the architect our firm was able to engineer space into the room for an instrument. Work began with plans for a minimalist instrument that could grow with the church's music needs. However, prior to completion of the instrument funds were garnered to allow completion of the organ.

Tonally, the organ pays strict adherence to eclectic organ design. The foundation of the organ is a copiously scaled Great principal chorus. The Swell division provides a secondary principal chorus with a 8', 4', 2' mixture chorus anchored by a generously scaled 8' Gemshorn.

The reeds of the organ borrow from the French school. Their scaling and voicing provide heroic solo qualities that are secondary to use as ensemble reeds.

One troubling aspect of small organ design is quite often the pedal division lacks tonal balance with the manual stops. It is equally important for the Pedal to have a tonal range of pianissimo to double forte. Yet many small instruments expect wide dynamic range from two or three stops. To counter this problem, at the risk of independence to the Pedal, it was decided to duplex some of the manual stops into the Pedal. The end result is a Pedal that gives the organist choice between light and heavy registration with five 16' stops at the organist disposal.

GREAT

16'	Bourdon	IV	Mixture
8'	Principal	II	Sesquialtera T.C.
8'	Harmonic Flute	8'	Trumpet
4'	Octave		Tremulant
4'	Spire Flute		Gt 4 - UO
2'	Super Octave		

SWELL

16'	Leiblich Gedeckt	IV	Plein Jeu
8'	Gedeckt	16'	Bassoon
8'	Gemshorn	8'	Trompette
8'	Gemshorn Celeste T.C.	8'	Hautbois
4'	Principal	4'	Clairon
4'	Koppelflote		Trumulant
2'	Flachflote		Sw 16 - UO - 4
1⅓'	Quinte		

PEDAL

32'	Acoustic Bass	4'	Choral Bass
16'	Principal	4'	Cantus Flute (Gt)
16'	Bourdon (Gt)	16'	Trombone
16'	Lieblich Gedeckt (Sw)	16'	Bassoon (Sw)
8'	Octave	8'	Trumpet (Gt)
8'	Bourdon (Gt)	8'	Hautbois (Sw)
8'	Gedeckt (Sw)	4'	Clairon

The scaling and pressure requirements of the organ required a responsive, articulate action. Several chest actions were considered and discarded because of pallet mass, responsiveness, and inadequate wind supply to each individual pipe. In the end, it was decided to build electro-pneumatic pitman chest with toe-board note channeling. This allowed for all borings and chest mechanism to be placed on the top of the chest allowing schwimmers to be fitted to the chest bottoms. The location of the channeling over conventional bottom-board channeling results in a decrease of channel lengths by approximately one-third. The end result is stability to the wind supply and a responsive articulate action. The maintain quality control. All components including pitman chests, console, winding system, shades, etc. were built in the Schlueter work shops.

Design and engineering is by Mr. Howard Weaver. Specification and tonal design is that of Arthur Schlueter III and Mr. Daniel Angerstein in conjunction with church organist/choirmaster Mrs. Claire Stroud. The organ was scaled and tonally finished by Mr. Angerstein.