

# Great (manual II)

31 ranks, 34 drawknobs

16'	Sub Principal	2'	Fifteenth
16'	Contrabass (Enclosed with Solo)	2'	Blockflute
16'	Gedecktpommer (Enclosed with Choir)	1 3/5'	Tierce
8'	Major Principal	1 1/3'	Fourniture IV
8'	Principal	1'	Scharf V
8'	Doppelflute	16'	Double Trumpet
8'	Gamba (Solo)	8'	Posaune (Enclosed with Solo)
8'	Gedeckt (Enclosed with Choir)	8'	Trumpet
8'	Gemshorn	4'	Trompette (Enclosed with Solo)
8'	Erzähler Celeste II (Enclosed with Choir)	4'	Clairon
4'	Major Octave		Klarine (Enclosed with Solo)
4'	Octave	8'	Tremulant
4'	Harmonic Flute (non-coupling)	8'	Unison Off
4'	Spitzflute	8'	English Tuba (non-coupling)
4'	Erzähler Celeste II (Enclosed with Choir)	8'	Trompette Militaire
2 2/3'	Nasard	8'	(non-coupling)
2'	Super Octave	8'	Trompette Heroique (non-coupling)
		8'	Chimes (non-coupling)

# Swell (manual III)

44 ranks, 42 drawknobs

16'	Bourdon Doux	4'	Violetta	8'	Voix Humaine p
16'	Contre Viole	2 2/3'	Twelfth	8'	Voix Humaine mp
16'	Viole Céleste	2'	Doublette	4'	Clairon
8'	Open Diapason	2'	Flûte à Bec	4'	Petite Clairon
8'	Principal Etroit	1 3/5'	Seventeenth		Tremulant
8'	Bourdon	1 1/3'	Ninteenth		Voix Tremulant
8'	Viole	2'	Plein Jeu IV-V		Swell 16'
8'	Viole Céleste	1'	Cymbale III-IV		Unison Off
8'	Salicional		Jeu de Clochette III		Swell 4'
8'	Voix Céleste	16'	Contra Trompette	8'	Cor de la Mer
8'	Aeoline Céleste II	16'	Fagotto	8'	(non-coupling)
8'	Flute Céleste II	8'	French Trompette	8'	English Tuba
4'	Prestant	8'	Petite Trompette	8'	(non-coupling)
4'	Principal	8'	Fagotto	8'	Trompette Heroique
4'	Flûte Traversière	8'	Hautbois	8'	(non-coupling)

# Choir (manual I)

22 ranks, 38 drawknobs

16'	Double Dulciana	1'	Klein Mixture IV		Tremulant
8'	English Diapason	16'	Corno di Bassetto (Solo)		Tremulant Full
8'	Spitzviole		Bassoon		Choir 16'
8'	Spitzviole Celeste	16'	Tuba Sonora (Solo)		Unison Off
8'	Holtzgedeckt	8'	(Solo)	8'	Choir 4'
8'	Méloдие		Trompette Heroique (non-coupling)	8'	Cor de la Mer
8'	Bois Céleste	8'	Cornoepen	8'	(non-coupling)
8'	Dulciana Celeste III	8'	Cromorne	8'	Trompette Militaire
4'	Principal	8'	Flugel Horn (Solo)	8'	(non-coupling)
4'	Koppelflute	8'	Clarinet (Solo)	16'	Michael's Trumpet
4'	Dulcett II	8'	Cor Anglais (Solo)	8'	(non-coupling)
2 2/3'	Rohrnatat	8'	Michael's Trumpet	8'	Michael's Trumpet
2'	Piccolo	8'	(non-coupling)	8'	(non-coupling)
1 3/5'	Tierce	8'	Oboe de Amore		
1 1/3'	Larigot	8'	Metal Harp		
1'	Fife				

# Solo (manual IV)

18 ranks, 30 drawknobs

16'	Violoncello	8'	Clarinet	8'	English Tuba
16'	Violoncello Celeste	8'	Cor Anglais	8'	(non-coupling)
8'	Stentorphone	8'	Orchestral Oboe	16'	Trompette Militaire
8'	Hohflute		Tremulant A		(non-coupling)
8'	Solo Gamba		Tremulant B	8'	Trompette Militaire
8'	Solo Gamba Celeste		Tremulant B Full	8'	(non-coupling)
8'	Viola Pomposa		Chimes	8'	Trompette Heroique
8'	Viola Celeste		Solo 16'		(non-coupling)
4'	Flute d'Amour		Unison Off		
2'	Marching Fifes III		Solo 4'		
16'	Corno di Bassetto	8'	Mounted Cornet V		
8'	Tuba Sonora		(non-coupling)		
8'	French Horn	8'	Cor de la Mer		
8'	Flugel Horn		(non-coupling)		

# Bombarde (manual V)

17 ranks, 19 drawknobs

8'	Grand Diapason	8'	Cor de la Mer (non-coupling)
4'	Grand Octave	8'	English Tuba (non-coupling)
8'	Mounted Cornet V t.c.	8'	Trompette Militaire (non-coupling)
2 2/3'	Grand Mixture V	8'	Tuba Sonora (non-coupling)
16'	Bombarde Harmonique	8'	Tuba Imperial (non-coupling)
8'	Trompette Harmonique	8'	Michael's Trumpet (non-coupling)
4'	Clairon Harmonique	8'	Trompette Heroique (non-coupling)
	Tremulant	8'	Angelic Flute (non-coupling)
	Unison Off		Tower Bells (non-coupling)
16'	Cor de la Mer (non-coupling)		

# Positiv (manual I)

12 ranks, 15 drawknobs

8'	Rohrflöte	1 1/3'	Quintflöte	Tremulant	blank
4'	Prinzpal	1'	Sifflöte	Positiv 16'	blank
4'	Spillflöte	1/2'	Zimbel III-V	Unison Off	blank
2'	Flachflöte	8'	Krummhorn	Zimbelstern	

# Ethereal String (floating)

29 ranks, 39 drawknobs

16'	Gross Gamba	8'	First Violin #	4'	Muted String
16'	Gross Gamba #	8'	Second Violin	4'	Muted String b
16'	Bass Viol	8'	Second Violin b	4'	Muted String #
16'	Bass Viol #	8'	Second Violin #	4'	Vox Angelica
8'	Violin Diapason	8'	Third Violin	4'	Vox Angelica #
8'	Gamba	8'	Third Violin b	2'	Dolce Mixture III
8'	Gamba b	8'	Third Violin #	16'	Vox Humana
8'	Gamba #	8'	Muted String	8'	Bassoon
8'	Viol	8'	Muted String b	8'	First Vox Humana
8'	Viol b	8'	Muted String #	8'	Second Vox Humana
8'	Viol #	8'	Vox Angelica	8'	Third Vox Humana
8'	First Violin	8'	Vox Angelica #		Flues Tremulant
8'	First Violin b	4'	Octave Conique		Reeds Tremulant

# Ethereal Solo (manual IV)

8 ranks, 14 drawknobs

8'	String Ensemble VI	8'	Clarinet		Echo Chimes
8'	Angelic Flute	8'	English Horn	8'	Tuba Imperial
4'	Orchestral Flute		Tremulant	8'	Michael's Trumpet
8'	First French Horn		Tremulant Full		Ethereal Solo Off IV / On V
8'	Second French Horn		Tower Bells		

# Gospel Great (manual II)

6 ranks in Solo Chamber, 6 ranks in Main, 47 drawknobs

16'	English Horn	8'	Clarinet	2 2/3'	Tibia Twelfth
16'	Bombarde	8'	Saxophone	2 2/3'	Twelfth
16'	Diaphone	8'	Kinura	2'	Tibia Piccolo
16'	Tibia Clausa	8'	Viol d'Orchestre	2'	Fifteenth (VDDO)
16'	Clarinet	8'	Viol Celeste	2'	Piccolo
16'	Contra Viol	8'	Concert Flute	1 3/5'	Tibia Tierce
16'	Viol Celeste	8'	Vox Humana	1'	Fife
16'	Bourdon	5 1/3'	Tibia Fifth		Glockenspiel
16'	Vox Humana t.c.	4'	Octave		Xylophone
8'	English Horn	4'	Tibia Piccolo		Chrysoglott
8'	Tuba Mirabilis	4'	Viol d'Orchestre	16'	Great Sub
8'	Brass Trumpet	4'	Viol Celeste		Unison Off
8'	Diaphonic Diapason	4'	Flute	4'	Great Octave
8'	Tibia Clausa				

# Gospel Choir (manual I)

Main & Solo unit ranks, 29 drawknobs

8'	Brass Trumpet	4'	Viol d'Orchestre		Tambourine
8'	Diaphonic Diapason	4'	Viol Celeste		Snare Drum
8'	Tibia Clausa	4'	Flute		Brush Cymbal
8'	Clarinet	4'	Vox Humana		Choke Cymbal
8'	Viol d'Orchestre	2 2/3'	Twelfth		Triangle
8'	Viol Celeste	2'	Piccolo		Tom Tom
8'	Concert Flute		Wood Harp Sub	4'	Gospel Choir Octave
8'	Vox Humana		Wood Harp		blank
4'	Octave		Chrysoglott		blank
4'	Tibia Piccolo		Castanets		

# Gospel Tremulants

7 drawknobs

Main Tremulant	Tibia Tremulant	Tuba Tremulant
Clarinet Tremulant	Vox / Saxophone Tremulant	Chrysoglott Tremulant
Solo Tremulant		

# 2nd Touch (manual I)

Main & Solo unit ranks, 14 drawknobs

8'	English Horn	8'	Clarinet		Brush Cymbal
8'	Tuba Mirabilis	4'	Tibia Clausa		Triangle
8'	Brass Trumpet		Wood Harp Sub	4'	Great Octave to Choir
8'	Diaphonic Diapason		Chimes		blank
8'	Tibia Clausa		Glockenspiel Octave		

# Percussions (floating)

10 percussions, 23 drawknobs

Symphonic Bells (Maas-Rowe)	Celesta (Maas-Rowe)	Percussion On Great
Major Bells	Xylophone	Percussion On Swell
(Maas-Rowe)	Glockenspiel	Percussion On Choir
Flemish Bells (Maas-Rowe)	Chimes (Solo)	Percussion On Solo
Wood Harp	Echo Chimes (Ethereal)	Percussion On Bombarde
Harp (Maas-Rowe)	Snare Drum Roll	Percussion On 2nd Touch
Chrysoglott	Bell Dampers Off	
Minor Bells (Maas-Rowe)	(Maas-Rowe)	
	Xylophone / Glockenspiel Re-it	
	Wood Harp Re-it	

# Pedal

27 ranks, 54 drawknobs

32'	Double Open Wood	8'	Principal	16'	Posaune (Great)
32'	Double Diapason	8'	Octave	16'	Fagotto (Swell)
32'	Contrabass (Great)	8'	Violoncello	16'	Bassoon (Choir)
32'	Contra Bourdon	8'	Bourdon	8'	Tromba
32'	Dulciana (Choir)	8'	Spitzflöte	8'	Trompette
16'	Open Wood	8'	Dolce	8'	Trumpet (Great)
16'	Open Diapason	4'	Choral Bass	8'	Fagotto (Swell)
16'	Sub Principal	4'	Fifteenth	4'	Clairon
	(Great)	4'	Flute d'Amour	4'	Corno di Bassetto
	(Solo)		(Solo)		(Solo)
16'	Violone	4'	Nachthorn	4'	Rohr Schalmey
16'	Subbass	2'	Waldfloete	8'	Cor de la Mer
16'	Gedecktpommer	2 2/3'	Mixture IV		(non-coupling)
	(Great)	1 1/3'	Acuta VI	8'	English Tuba
16'	Bourdon Doux	64'	Double Ophicleide	8'	(non-coupling)
16'	Contre Viole	32'	Ophicleide	8'	Trompette Militaire
	(Swell)	32'	Contre Bombarde		(non-coupling)
16'	Viole Céleste	32'	Contra Bassoon	8'	Michael's Trumpet
	(Swell)	16'	Trombone	8'	(non-coupling)
16'	Contra Dolce	16'	Bombarde	8'	Trompette Heroique
10 2/3'	Sub Quint	16'	Double Trumpet		(non-coupling)
8'	Bass Flute		(Great)		Chimes (non-coupling)
					blank

# Ethereal Pedal

3 ranks, 18 drawknobs

32'	Contra Gamba	16'	Stopped Diapason	16'	Bassoon (String)
16'	Diaphone	8'	Diaphone Octave		Tower Bells (Eth. Solo)
16'	Gamba	8'	Octave Gamba		Echo Chimes
16'	Gross Gamba (String)	8'	Viol (String)		(Eth. Solo)
16'	Gross Gamba #	8'	Viol # (String)		blank
	(String)	8'	Flute		
16'	Bass Viol (String)	4'	Angelic Flute		
16'	Bass Viol # (String)		(Eth. Solo)		

# Gospel Pedal

Main & Solo unit ranks, 16 drawknobs

16'	English Horn	16'	Bourdon	8'	Clarinet
16'	Bombarde	8'	English Horn	8'	Viols II
16'	Diaphone	8'	Tuba Mirabilis	8'	Flute
16'	Tibia Clausa	8'	Diaphonic Diapason	8'	Gospel Choir to Pedal
16'	Clarinet	8'	Tibia Clausa		blank
16'	Contra Viol				

# Percussion Pedal

4 percussion, 10 drawknobs

16'	Bourdon (Maas-Rowe)	Pedal Tympani	Brush Cymbal	blank
8'	Bourdon (Maas-Rowe)	Bass Drum	Triangle	
	Flemish Bells (Maas-Rowe)	Crash Cymbal	Tympani Re-it	

# Antiphonal Great (manual II)

14 ranks, 24 drawknobs

16'	Violone	2'	Super Octave	16'	Swell to Great
8'	Principal	2 2/3'	Sesquialtera II (Enclosed)	8'	Swell to Great
8'	Harmonic Flute		(Enclosed)	4'	Swell to Great
8'	Bourdon (Enclosed)	1'	Scharf III		Antiphonal Great Off Great
8'	Violoncello		Tremulant		Antiphonal Great On Swell
8'	Viole Celeste II	8'	Trumpet Royale		Antiphonal Great On Choir
4'	Octave		Chimes		Antiphonal Great On Solo
4'	Open Flute (Enclosed)		(Enclosed)		Antiphonal Great On Solo
			Zimbelstern		Bombarde
					blank

# Antiphonal Swell (manual III)

19 ranks, 27 drawknobs

16'	Stopped Diapason	2'	Blockflute		Swell 16'
8'	Open Diapason	2'	Fourniture IV		Unison Off
8'	Chimney Flute	16'	Bombarde		Swell 4'
8'	Spitzflute	8'	Trompette		Trumpet Royale (Ant. Great)
8'	Spitzflute Celeste	8'	Oboe		Antiphonal Swell On Great
8'	Viole de Gambe	8'	Echo Vox Humana		Antiphonal Swell Off Swell
8'	Viole Celeste	4'	Chalumeau		Antiphonal Swell On Choir
4'	Principal		Tremulant		Antiphonal Swell On Solo
4'	Hohflute		Vox Tremulant		Antiphonal Swell On Bombarde

# Antiphonal Pedal

13 ranks, 20 drawknobs

32'	Untersatz (enclosed)	4'	Choralbass	8'	Trumpet
16'	Principal	4'	Harmonic Flute	4'	Oboe (Swell)
16'	Subbass		(Great)	8'	Great to Pedal
16'	Stopped Diapason	2 2/3'	Mixture IV	4'	Great to Pedal
	(Swell)	32'	Contra Fagotto	8'	Swell to Pedal
8'	Octave	16'	Double Trumpet	4'	Swell to Pedal
8'	Spitzprincipal	16'	Fagotto		Antiphonal Pedal Off
8'	Gedeckt				Pedal

# Couplers

55 tilt tabs

8'	Great to Pedal	16'	Solo to Great	16'	Solo to Choir
4'	Great to Pedal	8'	Solo to Great	8'	Solo to Choir
8'	Swell to Pedal	4'	Solo to Great	4'	Solo to Choir
4'	Swell to Pedal	8'	Bombarde to Great	8'	Bombarde to Choir
8'	Choir to Pedal	8'	Ethereal String to Great	8'	Ethereal String to Choir
4					



The Naval Academy Chapel organ dates back to 1908. The Hutchins Organ Company of Boston, MA built the original instrument. In 1940, the Möller Organ Company of Hagerstown, MD was contracted to build a larger instrument to support music in the newly enlarged chapel. Through the years, the organ has undergone several enhancements and renovations. Most of these enrichments to the instrument have been made possible through generous gifts of individuals and classes. The current instrument, comprised of both pipe and digital voices, totals 268 ranks and is controlled by two consoles.

The chancel's new five-manual console, crafted by R. A. Colby, Inc. of Johnson City, TN, boasts 522 draw knobs, and in addition to the other controls available to the organist, yields 796 total controls. The previous console to occupy the chancel has four-manuals and has been refurbished and installed in the gallery. Both consoles operate via computer control systems furnished by Walker Technical Company of Zionsville, PA, the general contractor. The digital pipe reproduction voices are also from Walker Technical Co.

Concert information is online at <http://www.usna.edu/Music/index.html>, or by calling 410-293-TIXS (410-293-8497).

Monte Maxwell,  
Chapel Organist, Assistant Director of Music, U.S.N.A.



## Miscellaneous Controls

Tutti I	Tremulants Reversible
Tutti II	Great MIDI A
Crescendo I	Great MIDI B
Crescendo II	Swell MIDI A
Crescendo III	Swell MIDI B
Programmable Reversible 1	Choir MIDI A
Programmable Reversible 2	Choir MIDI B
Programmable Reversible 3	Solo MIDI A
Programmable Reversible 4	Solo MIDI B
Programmable Reversible 5	Bombarde MIDI A
Programmable Reversible 6	Bombarde MIDI B
Programmable Reversible 7	Second Touch MIDI
Programmable Reversible 8	Pedal MIDI A
Programmable Reversible 9	Pedal MIDI B
Programmable Reversible 10	Pedal 32's / Manual 16's Off
Programmable Reversible 11	Mixtures Off
Pedal Combine with Great	Reeds Off
Pedal Combine with Swell	Sharp Celestes Off
Pedal Combine with Choir	Flat Celestes Off
Pedal Combine with String	Antiphonal Off
Bombarde / Ethereal Solo Piston xchg	Roll Cymbal
All Swells to Swell	Crash Cymbal
All Swells to Solo	Bass Drum
Bombarde Express on I	Thunder
Bombarde Express on IV	Gong
String Express on I	Triangle
String Express on III	Wood Block
String Express on IV	Pedal Melody Great
Ethereal Solo Express on I	Man I / Man II Transfer
Percussion Express on I	Effects Buttons On (drawknob)
Antiphonal Enclosed Great Express on II	Console Lamps Off (drawknob)
Antiphonal Swell Express on III	

## Combinations

16 memory banks w/7 levels each

16 password protected user accounts

General	24 lighted	Ethereal Solo	4
Great	8 + cancel tag	Percussion	5 + cancel tag
Swell	8 + cancel tag	Pedal	6
Choir/Positiv	8 + cancel tag	Couplers	4
Solo	6 + cancel tag	Set	
Bombarde	4 + cancel tag	General Cancel	
Ethereal String	6 + cancel tag	Next	
		Previous	

Organ console &  
tonal expansion  
paid for by a  
gift from the  
Class of 1951.

# The United States Naval Academy



## Chancel Console Specification

- 268 ranks plus percussions & traps
- 522 drawknobs
- 796 total controls
- 15,688 equivalent pipes

