

JACK MOELMANN'S
RODGERS 3-MANUAL, 22-RANK THEATRE ORGAN (Model 340 "Century" Custom)
(Electronic - 15 Ranks)
(Pipe Augmented - 7 ranks)
STOP LIST
(As of October 2003)

<u>PEDAL:</u>	<u>Pedal Pipe Stops</u>	(Pipes not under expression)
Contra Bourdon 32'	#Bourdon 16'	
Trumpet 16'	#Gedeckt 8'	
Diaphone 16'	#Dulciana 8'	
Tibia Clausa 16'	#Dulciana 8'	
Bass String 16'	#Octave 4'	
Bourdon 16'	#Flute 4'	
Trumpet 8'		
Tibia Clausa 8'		
Clarinet 8'		
Flute 8'		
Sustain Bass 8'		
Accomp to Pedal		
Solo to Pedal		
*Bass Drum		
Band Cymbal Tap		
\$Cymbal Brush		
#Percussion to Pedal;		
#Cymbal Roll		
#MIDI to Pedal		
#MIDI Great to Pedal		
%Lowrey Strings 16' and 8'		
%Piano 16', 8', and 4'		
%Arp Synthesizer		

<u>ACCOMP:</u>	
Post Horn 8'	\$Chrysoglott
Trumpet 8'	\$Wood Block
Diapason 8'	\$Snare Drum
Tibia Clausa 8'	\$Tamborine (2)
Clarinet 8'	\$Band Cymbal Tap
String & String Celeste 8'	#Castenets
Concert Flute 8'	#Percussion to Accomp
Vox Humana 8'	#MIDI to Accomp
Octave Diapason 4'	
Piccolo 4'	
String & String Celeste 4'	
Flute 4'	
Vox Humana 4'	
*Piano 8'	
%Marimba Harp (Reit) or *Piano 4'	
\$Marimba Harp (Single Stroke)	

* Indicates electronic percussions
Indicates stop tabs not on the combination action - will cancel
\$ Indicates selectable: Electronic or Air (pull-out drawer)
% Indicates selectable in pull-out drawer

GREAT:

Post Horn 16'
Trumpet 16'
Tibia Clausa 16'
Clarinet 16' (TC)
Bass String 16'
Vox Humana 16' (TC)
Post Horn 8'
Trumpet 8'
Diapason 8'
Tibia Clausa 8'
Clarinet 8'
Kinura 8'
String & String Celeste 8'
Concert Flute 8'
Vox Humana 8'
Tibia Quint 5 1/3'
Piccolo 4'
String & String Celeste 4'
Tibia Twelfth 2 2/3'
Tibia Piccolo 2'
Tibia Tierce 1 3/5'
Tibia Fife 1'
Piano 8'
Piano 4'
Solo to Great Sub
#%Bells and Glock (single or reiterate), and Rodgers Glock
#%Lowrey Strings 16', 8', & 4'
MIDI to Great
%MIDI Solo to Great
%MIDI Accomp to Great

SOLO:

Post Horn 16'
Trumpet 16'
Tibia Clausa 16'
Vox Humana 16' (TC)
Post Horn 8'
Trumpet 8'
Tibia Clausa 8'
Clarinet 8'
Kinura 8'
String Celeste 8'
Flute 8'
Vox Humana 8'
Tibia Piccolo 4'
Tibia Piccolo 2'
#Flute Pipes
#Caliope Pipes
Xylophone (%Deagon and/or Digital)
Glock
#MIDI to Solo
#ARP Digital Synthesizer

Great Pipe Stops

#Sub Gedeckt 16'
#Open Diapason 8'
#Gedeckt 8'
#Dulciana 8'
#Octave 4'
#Flute D'Amour 4'
#Nazard 2 2/3'
#Flautino 2'
#Cornoepen 8'
#Tremolo

(pipes not under
expression)

Solo (Swell) Pipe Stops

#Open Diapason 8'
#Gedeckt 8'
#Dulciana 8'
#Cornoepen 8'
#Kinura

(pipes not under
expression)

Solo Effects:

Dancing Ducks & Kinura
Christmas Bells
Tuned Sleigh Bells
Santa's Marching Band

*Chrysoglott
Cathedral Chimes 1 (Rodgers)
#Cathedral Chimes 2 (Deagan)
%Vibra Harp
%Accordion

ACCOMP SECOND TOUCH:

Post Horn 8'
Trumpet 8'
Tibia Clausa 8'
Solo to Accomp
Great to Accomp Octave

Voicing (volume level-ff):

Post Horn
Trumpet
Diapason
Tibia
Clarinet
String & String Celeste
Flute
Vox Humana
*Piano

#Great Pipes On/Off
#Rhythm On/Off
Flute Echo On (Leslie tone cabinet)
Flute Main Off (Leslie tone cabinet)
Sostenuto: Solo MIDI Sustain or Great Manual Sostenuto
String Celeste Off
Solo to Great (Pizz)

Tremulants/Vibrato

#Leslies On/Off
Main Vibrato
Main Tremulant
Flute Tremulant
Vox Humana Tremulant
Tibia Tremulant
Echo Vibrato (Flute Leslie)

RODGERS SPEAKERS:

	Brass (M-13)	Bass	Tibia	Main	String Cel (M-13)	Leslie
Post Horn	X					
Trumpet			X	X		X
Diapason				X		
Tibia			X			X
Clarinet				X		
Kinura	X					
String			X			
String Celeste				X	X	
Concert Flute		X		X		X
Diaphone		X				
Bourdon 32'		X				
Vox Humana				X		X
*Piano				X		
*Traps				X		
*Harp						
*Chrys				X		
Chimes				X		

THUMB PISTONS:

SOLO

Wind Chimes <>	Trolley Bell <>	Wood Block <>	Slide Dn-- Whistle <>	Slide Up Whistle <>	Rhythm/Leslie Cancel <>
1 <>	2 <>	3 <>	4 (Combinations for Solo) <>		
Duck Call <>	Small Siren <>	Nightgale Bird <>	Duck Bow <>	Hi Hat Cymbal <>	Chrys-White Up <>

Manual Cheek Block: Computer start/stop/sequence, Rhythm start/stop, Slide Change

GREAT

Generals						Manual				
1 <>	2 <>	3 <>	4 <>	5 <>	6 <>	1 <>	2 <>	3 <>	4 <>	(Combinations for Great)
			Aoogah Horn <>	Siren (Large) <>	Bell (Fire) <>	Train & Boat Whistle <>			Triangle <>	

ACCOMP

Comb Set <>	1 <>	2 <>	3 <>	4 <>	5 <>	Drum Cancel <>				
	1 <>	2 <>	3 <>	4 <>	(Combinations for Accomp)					
		Chrys-White Down <>		Chrys-Black Up <>		Chrys-Black Down <>		Rhythm/Leslie Cancel <>		General Cancel <>

Drum Presets: 1:Cymbals, 2:March, 3:Full, 4:Latin-1, 5:Latin-2

TOE PISTONS & SWELL PEDALS:

Solo MIDI Sustain
or Great Sostenuto
on Main Swell Pedal

				(Swell Pedals)							
				Main Solo	Cresc		Accomp				
		Bass Drum	Crash Cym	----	----	----	Drum Tymp	Perc Roll		Bird 2	Chinese Gong
				----	----	----					
							Cymb Roll	Bass Drum	Crash Cymb		Bowling Pins
										Sforz	
											Wood Block
											(Spare)

LEFT PULL-OUT CONSOLE DRAWER CONTROLS

Orchestra Bells to Great
Glock to Great
Bells Reiterate
Glock Reiterate
Rodgers Glock #2 to Great

Strings to Great: 16' 8' 4'
Strings to Pedal: 8' 4'
String Sustain

ARP Synthesizer Stop Select (To Solo)

Guitar, Banjo, Violin, Trombone, Tuba, Wow-wow, Steel Guitar, Harpsichord, Telstar, Bassoon, Bass

Boat Whistle
Train Whistle
Police Whistle

Percussions to Accompaniment Manual

Crash Gong, Sizzle Cymbal Tap, Sizzle Cymbal Brush, Band Cymbal Brush, Snare Drum Roll, Tom Tom, Sleigh Bells, Triangle, Finger Cymbal, Snare Drum Brush, Bongo 1, Bongo 2, Maracas, Clave, Horse Hoofs, Bird whistle, Cow Bell, Hi-Hat Cymbal, 2 Tamborines, Castents, Wood Block, Band Cymbal Tap

Percussions to Pedal

Bass Drum, Tympani Roll, Kettle Drum, Crash Cymbal, Sizzle Cymbal Tap, Sizzle Cymbal Brush, Snare Drum Roll, Snare Drum Brush, Crash Gong, Triangle, Bongo 1, Bongo 2, Maracas, Tamborine, Castenets, Cow Bell, Zildjian Cymbal roll and tap, Hi-Hat Cymbal, Band Cymbal Brush, Band Cymbal Tap

Lowrey Strings to Pedal: 16' & 4'
ARP Synthesizer to Pedal
Wind Chimes
Canary Bird
Manual/Pedal Percussion Interconnect
Piano to Pedal: 16', 8", and 4'
Honky Tonk Piano
Accordion

Air Percussions (on Slide Whistle Unit)

Duck Call 1, Train, Duck Call 2, Horn, Whistle, Train 1, High Train, Train 2, Low Train, Diesel Horn, Bell, Slide Whistle

Electric Horns

Auto Horn, Diesel Horn, Fire Bell, Doorbell, 5-Tone Horn, 3--Tone Horn

(12 - Tuned/Dancing Ducks & Kinura Pipes) - temporary controls
(Santa's Marching Band) - temporary controls

MIDI Controls

Transpose: Set	Off	Solo to Great
Note Buster		Accomp to Great
Solo Vibrato		Great to Pedal
Great Vibrato		
Accomp Vibrato	(Other couplers accommodated	
Pedal Vibrato	by couplers/controls already	
All Swells	on console)	

RIGHT PULL-OUT CONSOLE DRAWER CONTROLS

Recording Panel:

- Tape In
- Organ Reverberation
- Tape Out
- Tape Playback Volume
- Headphones
- Main Speakers On/Off
- Tape Play/Record (Digital Reverb)

Chrysoglott to Accompaniment:

- Wurlitzer and/or Electronic

Marimba Harp to Accompaniment:

- Kilgen (single stroke) and/or Electronic

Marimba Harp (Reit) or Piano 4' to Accompaniment

Percussions to Accomp: (Electronic or Air)

- Wood Block
- Tamborine
- Cymbal
- Snare Drum

Percussions to Pedal: (Electronic or Air)

- Cymbal

Xylophone:

- Deagon and/or Digital
- (Digital Xylophone: Single stroke or reiterate)

Wurlitzer Sleigh Bells (reiterating)

Christmas Bells

Santa's Marching Band

Dancing Ducks & Kinura pipes

Amplifiers/Tone cabinets - On/Off

MIDI Memory Mapper/Preset Set

Vibra Harp

OTHER FEATURES AND CAPABILITIES

Rhythm Ace, Automatic Percussion (electronic): March, Shuffle, Tango, Cha Cha, Samba, Swing, Fox Trot, Basa Nova, March, Rock & Roll, Slow Rock, Western, Beguine

Controls: Clave Off, Cymbal Off, Snare Off, Tempo and Volume, start/stop

Drum Rhythm Unit (Operates the toy counter drum set): Waltz, Samba, Cha-Cha, Mambo, Rumba, Beguine, Habanera, Tango, Blues, Rock Beat, Bassonova, Rockaballad, Swing, Six Eight, Fox Trot, March-Polka.

Controls: Drums On, On-Off Select: Band Cymbal Tap, Siz Cymbal Tap, Snare, Castenets, Clave; Tempo, Volume (audio not used), Power, Down Beat Indicator

ORGAN TONE CABINET AND AMPLIFIER SYSTEMS:

(88 total speakers in 28 cabinets, with 18 power amplifiers)

Leslie 31H (Tibia, Flute)

Leslie 21H (Tibia, Flute)

Leslie Model 47 (Tibia, Flute)

Hammond PR-40 (3-Channel)(with reverberation)(Main)

Hammond DR-40 (Pedal)

Hammond DR-40 (Pedal)

Hammond ER-20 (dual channel)(with reverberation)(Main)

Klipsch-LaScala (Main)

Klipsch-LaScala (Tibia)

Klipsch-LaScala (MIDI) & Organ Reverberation

M-13 Speaker (in 3-sections)(Post Horn/Kinura)

M-13 Speaker (in 3-sections)(String Celeste)

Bass 30" speaker (Bass)

JBL Signature Speaker System (main)

4-Stereo Speakers (Reverb, percussion, MIDI, PA, etc.)

4 5-way speakers for multi-channel Sampler & Rhythm Composer

Alesis Microverb III Reverb/Delay unit

Reverberation unit for digital xylophone, gong, bowling pins, and woodblock

2 - Speakers and high frequency tweeters with 100 watt stereo amplifier for Kurzweil Synthesizer, organ reverberation controlled through a 4-channel mixer.

2 - Speakers with 150 watt mono amplifier for piano, ARP Synthesizer, Lowrey Strings, Rhythm Ace, and PA through a 6-channel mixer.

Leslies independently controlled from either console (Rodgers or Hammond).

Relay system permits simultaneous use of both organs or either organ from speakers and tone cabinets.

Combination unit for 4-rank pipe organ (4-presets)

GENERAL:

17 volt DC Power supply - 30 amps (percussions) 18-volt DC power supply
12 volt DC Power supply - 20 amps (pipes/stops) (piano relay)
Solid State Relay System (tonal percussion) Piano blower (vacuum) system
Special lighting effects (digitally controlled) Piano relay/couplers
Cathedral Chime Relay System
Tone Cabinet Relay System
Santa Marching Band switching relay system
27 volt AC power supply - 10 amps (chimes, variable output)
24 volt DC/AC power supply - 6 amps (control)
2 - 3-volt DC power supply (6 amps) for animals
Organ/stereo relays for PA system
2-horsepower, 3-phase Spencer Blower, 25" pressure (static)
 2-regulators: 15" and 6"
Reisner pipe organ blower - 6"
IBM Blower (vacuum) for piano
Pipe organ regulator
5 pipe chests (including two offsets)
Pipe Organ relay system
Console: Power switch, key memory combination on/off
Console Light Controls:
 On-Off-Key On
 Stop Rail: Bright/Dim
 Rack & Pedal Lights On/Off
Console Indicator Lights: Power, Combination On, Crescendo, Sforzando,
Percussion Combination On, Solo Pipes On, Great Pipes On, Pedal Pipes On, Effects On

REMOTE CONTROL ANIMALS:

Bartender	Indian Drummer	Hawaiian Girl
Dog Drummer	Monkey	Soldier
Weight Lifter	Druming Bear	2-Santas
Dog-Barking	Skater	
Bear Drummer	Mexican Monkey Drummer	
Whistling Bear	Indian Drummer	Monkey

2-Monkeys w/moving tails Bubble Bears 3-birds on perch

ARP DIGITAL SYNTHESIZER; (Playable from Solo Manual)

Buzz bassoon, sax, space reed, telstar, song whistle, noze, pulsar, comic wow, mute trumpet, steel guitar, harpsichord, space bass, steel drum country guitar, fuzz guitar 1, fuzz guitar 2, bassoon, English horn, oboe, clarinet, flute, tuba, trombone, french horn, trumpet, cello, violin, bass, piano, banjo.

Controls: Pitch bend, wow, growl, brilliance, volume, vibrato, repeat, octave, portamento.

ROLAND SYNTHESIZER (Model SC-880) (Controlled by MIDI from Accomp, Great, Solo manuals and Pedal) (not under expression control)

ROLAND PROGRAMMABLE DIGITAL SYNTHESIZER: (Model D-550) (Controlled by MIDI from Accomp, Great, Solo manuals and Pedal, and from Apple Digital Computer)
(Not under expression control)
MIDI input/output channel selector

ROLAND HUMAN RHYTHM COMPOSER: (Model R-5) Six audio output channels

ROLAND DIGITAL SAMPLER: (Model S-550) (Controlled by MIDI) 16 voice polyphonic sampler module. Adopts the expanded 16 bit system that processes all signals digitally. 28.8 seconds at 30kHz sampling time, and a memory capacity of 64 tones and 32 patches. Uses Apple Computer monitor. Eight audio output channels (six used)
(Not under expression control)

ROLAND 8-IN/8-OUT MIDI PATCHER/MIXER: (Model A-880) 64 programmable memory combinations of MIDI IN and OUT, controllable from IBM PC Computer sequencer

IBM PC 286 DIGITAL COMPUTER control MIDI and synthesizers (sequencer)

MIDI INTERFACE TO SEQUENCER/R-5 allows playing toy counter percussions

TOY COUNTER - (Pedals and/or Manuals): (15" air pressure)

(Air Driven - 3" to 1 1/2" wind line to percussions)

Notation

Bongo-1 (reiterating)	Tambourine (2) (reiterating)\$	#-push button only
Bongo-2 (reiterating)	Sleighbells (single/reiterating)	*-push button, manual or pedal
Finger Cymbal	Triangle*	
Horse Hoofs	Castanets (reiterating)\$	**-toe pistons
Maracas (reiterating)\$	Clave\$	##-pedal only
Band Cymbal Brush\$	Band Cymbal Tap\$	\$-on rhythm unit
Sizzle Cymbal Tap\$	Sizzle Cymbal Brush\$	
Cow Bell	Snare Drum Beat\$	
Snare Drum Roll (reiterating)	Snare Drum Brush\$	
Tom Tom (on snare drum)	Crash Cymbal (on bass drum)**	
Bass Drum (Wurlitzer)**	Kettle Drum (on bass drum)##	
Timpani Roll (reiterating)(on bass drum)**		
Gong Cymbal (single)*		
20" Zildjian cymbal (reiterate/roll and tap)		
Wood Block*		
Bird Whistle#	Nightingale Whistle*	
Police Whistle#	Boat Whistle#	
Train Whistle#	Band Siren Whistle#	
Duck Call#		
Slide Whistle# - Duck 1, Train, Duck 2, Horn, Whistle, Train 1, High Train, Train 2, Low Train, Diesel, Bell, Slide Whistle		
14" Zildjian Hi-Hat cymbal		

SOUND EFFECTS, (Air and Electric/Electronic):

Siren (air)	Nightingale Whistle (air)		
Bird Whistle (air)	Boat Whistle (air)		
Police Whistle (air)	Train Whistle (air)	Wind Chimes	Chinese Gong
3-tone Horn (air)	Klaxon Horn	Cymbalstern	Bowling Pins
Auto Horn	Siren - large	Diesel Horn	Wood Block (reit)
Siren - small	Canary Bird	Fire Gong	
Doorbell/Telephone Bell		Duck Call (air)	Fire Bell
5-tone La Cucaracha Horn (air)			
Duck call and moveable duck (air)			

TUNED PERCUSSIONS:

- 37 - note Xylophone (reiterating)
- 37 - note digitally sampled Wurlitzer Xylophone (single stroke or reiterating)
- 49 - note Wurlitzer Chrysoglott
- 30 - note Glockenspiel (single stroke or reiterating)
- 30 - note Orchestra Bells (single stroke or reiterating)
- 21 - note Cathedral Chimes (volume adjustable)
- 85 - note Piano (vacuum)(normal and Honky Tonk)(with sustain)
- 30 - note Rodgers Glockenspiel #1
- 30 - note Rodgers Glockenspiel #2
- 14 - note Christmas Bells
- 21 - note Cathedral Chimes (amplified - in console - Rodgers)
- 37 - note Kilgen Marimba Harp (single stroke or reiterating)
- 12 - note tuned dancing ducks (w/Kinura pipes)
- 32 - note Santa's Marching Band
- 25 - note Wurlitzer Tuned Sleighbells
- 12 - note Party Whistles
- 41 - note Accordion
- 44 - note Maas-Rowe Vibra Harp

PIPES (6" pressure)
Flute - 97 pipes Open Diapason - 83 pipes
Cornocean - 49 pipes Dulciana - 73 pipes
Flute - 48 pipes
Calioppe - 48 pipes Kinura - 12 pipes (15" pressure)

REMOTE CABINET CONTROLS:

3 sets of animals
Animal Spotlight
Movie screen #1 up/down/stop
Movie screen #2 (American Flag) up/down/stop
Rhythm Select: Electronic or toy counter drum unit
Wood Block: Single/Reiterate
Chime Volume
Main Blower
Piano Blower
Pipe Organ Blower
Hammond organ override
Slide Projector, Movie 1, Movie 2, Movie 3
 Slide Forward, Slide Reverse
Room Light Controls (digitally controlled)

HAMMOND L-112 ORGAN (Spinet Model): (interconnected with the Rodgers speaker system)

2-Manual (44 notes each)
13-note pedal board
2-toe pistons
 Crash Cymbal Adjustable
Sleighbells
Harp
Whistle Solo
Remote Projector Controls: 2 Movie, 1 Slide (forward & reverse); Projector signal
Drawbars:
 Upper: 9 drawbars: 16', 5 1/3', 8', 4', 2 2/3', 2', 1 3/5', 1 1/3', 1'
 Lower: 7 drawbars: 8', 4', 2 2/3', 2', 1 3/5', 1 1/3', 1'
 Pedal: 1 drawbar: 16'

Other controls:

Headphones	Brilliance
Neon lights (each manual)	3 presets (upper)
Percussion (3rd harmonic)	1 preset (lower)
Percussion (2nd harmonic)	organ soft
Percussion (fast decay)	key lock switch
Percussion soft	expression pedal
Vibrato I, II, & III	Organ override
Reverberation: I, II, & III	Pedal lights on/off
Rhythm Unit on/off	Manual lights: bright/dim/off
Leslie/Hammond tone cabinet controls: select, rotors, & volume	