

A large concrete arch bridge spans a river. A train with several blue and white freight cars is crossing the bridge. The bridge has multiple arches and is supported by concrete piers. The river is in the foreground, with large rocks and some green vegetation. The sky is blue with white clouds.

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OF ORGANBUILDERS**



ABOUT THE AIO

BOARD OF DIRECTORS AND COMMITTEE STRUCTURE

- Board members are responsible for communicating with the committee(s) in their columns.
- Committees are chaired by the first person listed.
- Board and some committee terms expire following the annual convention in the year listed.

PRESIDENT '21

JEFFREY DEXTER
330 682.6065
jdexter@schantzorgan.com

VICE PRESIDENT '21

MATTHEW PARSONS
585 229.5888
mjp@parsonsorgans.com

TREASURER (APPOINTED)

CHARLES KEGG
330 877.8800
cek@keggorgan.com

SECRETARY '20

JOSEPH O'DONNELL
503 329.3445
setwork1@msn.com

MEMBERSHIP

Receive and review nominations for membership, recommend action to board. Seek new members, recommend action regarding inactive members



RESOLUTIONS

Review by-laws, minutes of board and annual meetings. Review proposed amendments to the by-laws.

JOSEPH O'DONNELL
MARK HOTSENPILLER
JOHN PANNING

BOARD MEMBER '20

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970 227.5699
jim@steinbornorgans.com

BOARD MEMBER '19

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BOARD MEMBER '20

JOEL VANDERZEE
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CAMERON COUCH
330 877.8800
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BOARD MEMBER '19

WILLIAM E. CATANESYE, III
781 858.5087
william@williamcatanesye.com

EDUCATION

Administer training programs, plan educational content of conventions and mid-year seminars

BRAD JONES '19
FREDRICK BAHR '19
SEBASTIAN GLÜCK '21
JOHN BOODY '19
RYAN BOYLE '21

EXAMINATIONS

Establish criteria, scope and procedure for the AIO Examination

BRYAN TIMM

CONVENTION OVERVIEW

Hold review session in February to evaluate previous convention. Help new convention committees with organization and hotel negotiations

STEPHEN SPAKE, COORDINATOR
BRADLEY JONES

ETHICS

Receive complaints and enquiries regarding ethics matters; recommend action to Board

MICHAEL L. BIGELOW
C. JOSEPH NICHOLS
ROGER INKPEN

AUDITING

Review AIO financial records and report to the membership at annual business meeting

JAMES STEINBORN

JOURNAL

Procure and review articles, oversee Journal process

SCOT HUNTINGTON
RICHARD HOUGHTEN
JOHN PANNING
CHRISTOPH WAHL

WEBSITE RESOURCES

Develop a comprehensive online website resource for pipe organ service information

BRYAN TIMM
CHRISTOPHER NAGORKA
DENNIS P. MILNAR

OUTREACH- AIO/APOBA EXHIBITS

Further the goals of the AIO through outreach projects. Coordinate and staff the organ industry display booth at AGO and NPM conventions

MICHAEL LAUFFER

NOMINATING

Select candidates for election at the annual business meeting

2019

JONATHAN ROSS
CAMERON COUCH
JOEL VANDERZEE
NATHAN BRYSON
CHRISTOPH WAHL

EXECUTIVE SECRETARY

MARK HOTSENPILLER
469 Chenery, San Francisco, CA 94131
415 385.8204 — bikemark@mac.com

JOURNAL EDITOR

FREDRICK BAHR
224 Tecumseh Meadows Drive, Norman, OK 73069
330 493.0875 — bahrman@aol.com

ABOUT THE AIO

THE INSTITUTE

THE AMERICAN INSTITUTE OF ORGANBUILDERS IS AN EDUCATIONAL organization dedicated to advancing the art of organbuilding “by discussion, inquiry, research, experiment and other means.” AIO members are professional organbuilders, service technicians, and suppliers who subscribe to the Institute’s objectives and its Code of Ethics.

In 1973, a group of organbuilders met in Washington, D.C. to explore the possibility of forming a professional association. A provisional board was established, and a constitution committee was appointed. In September 1974, a convention was held in Dayton, Ohio, which adopted a constitution and bylaws, signed charter members and elected a Board of Directors. Since that time, conventions have been held each year in cities throughout the United States and Canada. These meetings are structured around a full schedule of technical lectures, visits to local organ shops and instruments, product exhibits, and business meetings. The opportunity to meet other builders, technicians, and suppliers to share ideas and information is another important benefit of each convention.

AIO midyear seminars provide further opportunities for professional growth. These weekend seminars are held in shops throughout the country and are structured to provide hands-on training in a variety of small group settings.

JOURNAL OF AMERICAN ORGANBUILDING

THE INSTITUTE ALSO PUBLISHES A QUARTERLY JOURNAL featuring technical articles, product and book reviews, and a forum for the exchange of building and service information and techniques. Subscriptions are provided free to AIO members and are available to non-members through the main office at \$24.00 per year, or \$65 for three years.

MEMBERSHIP

AIO MEMBERSHIP IS OPEN TO THOSE CURRENTLY ENGAGED IN full-time organbuilding or organ maintenance work. Affiliate membership is open to those who are not full-time builders or technicians, as well as non-North American builders and those in allied professions supporting the pipe organ industry. Prospective members must obtain the nominating signature of a current AIO member and provide a brief summary of their work history on the nomination form. Further details about membership categories and annual dues are provided on the form.

WEBSITE

THERE ARE SEVERAL AIO RESOURCES AVAILABLE ONLINE AT www.pipeorgan.org. The membership roster includes links to the websites of companies employing individual AIO members. Members can change personal contact information at any time, as well as search for information of AIO colleagues, by signing into their individual accounts. Past and present convention information, seminar descriptions, past copies of the AIO *Journal*, and a copy of the membership application can also be found here. Enquiries may be made of the Executive Secretary :

Mark Hotsenpiller

469 Chenery
San Francisco, CA 94131
415 385.8204
bikemark@mac.com

WWW.PIPEORGAN.ORG

ON THE COVER

Completed in 1919 to the design of John E. Greiner, this majestic bridge over the James River was built by the Atlantic Coast Line Railroad and the Richmond, Fredericksburg and Potomac Railroad.

PHOTO BALAJI PARTHASARATHY



2019 CONVENTION

CONVENTION CHAIR Stephen Spake
EDUCATION COMMITTEE CHAIR Bradley Jones
HANDBOOK EDITOR Jonathan Ambrosino
HANDBOOK DESIGN, PRODUCTION . . . Len Levasseur
PRINTING Carter Printing Company

WITH SPECIAL THANKS TO

William T. Van Pelt

FOR PHOTOGRAPHIC AND CONVENTION PLANNING ASSISTANCE

AIO 2019 CONVENTION

Richmond, Virginia

HEADQUARTERED AT

Hilton Resort and Spa | Short Pump

12042 WEST BROAD STREET

RICHMOND, VIRGINIA

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WELCOME TO RICHMOND

INCORPORATED IN 1742, RICHMOND IS BELIEVED TO HAVE BEEN named by William Byrd II for the curve in the James River, which duplicates a similar curve in the Thames River at Richmond-Upon-Thames, in what is now southwest London, England. One of the South's most beautiful cities, Richmond is rich in architecture from the 18th to 20th centuries, built at a human scale that invites exploration by foot.

The Richmond of today is a food lover's haven, from neighborhood joints to higher-end eateries specializing in modern takes on Southern style. This is the town that first made canned beer available to the parched (1935), and is said to have invented the "sailor sandwich" (pastrami, knockwurst, Swiss cheese, mustard, on rye bread).

As many doubtless know, until recent times Richmond was the epicenter of the tobacco industry. Several plants remain active, although a number of those structures are now "luxury" condominiums. Still, the "Lucky Strike" smokestack and other relics remain.

For organbuilders, Richmond is a showcase of our members' work, across a gamut that reflects our industry at this interesting moment. Straight restoration, renovation, and many new instruments are on offer. Each project has something to teach, as we see how our colleagues adapt to various conditions.

GENERAL INFORMATION

THE CONVENTION HAS BEEN ORGANIZED BY AIO CONVENTION Coordinator Stephen Spake, Education Committee Chair Bradley Jones, and Executive Secretary Mark Hotsenpiller, with important

initial legwork by former Executive Secretary Robert Sullivan. If you have any questions about this convention, please contact Mark Hotsenpiller at bikemark@mac.com or 415 385.8204 (normal business hours, Pacific time).

Please return the enclosed registration form and your check (US Funds made payable to "American Institute of Organbuilders") or credit card information (Visa/MasterCard) to the Executive Secretary as soon as possible. Note that some meals are included with registration. If you have a restricted diet, please indicate so on your registration form, so that your needs can be accommodated.

All activities associated with the convention require an official name badge. When you receive it, note that it also contains a schedule for reference as well as your banquet meal selection ticket.

GETTING HERE

RICHMOND LIES 100 MILES SOUTH OF WASHINGTON, D.C. IT IS easily reached by air, train, or automobile. The sensibly-sized Richmond International Airport is served by American, Delta, JetBlue, Southwest, Spirit, United, and Allegiant.

Train folk hardly need be told that Richmond has one of the country's most attractive railway stations, in the city's Shockhoe Bottom section. Recognizable for its domed clock tower, the Renaissance Revival style building completed in 1901 and welcomes the rail traveler in grand style. Alas, only a few trains stop here, but all Amtrak service stops at the Staples Mill Road station, which is a bit closer to Short Pump and our convention hotel, the Hilton Spa and Resort.

If you wish to drive, both the hotel and downtown Richmond are hospitable to vehicular traffic. Most churches have commodious parking lots.



HOTEL

THE HILTON SPA AND RESORT / SHORT PUMP HAS ALL THE COMFORTS we have come to expect from our convention hotels, as well as resort-style amenities for spouses and partners.

Just off I-64, the hotel is about 30 minutes from the city center and the main rail station, 25 minutes from Staples Mill Road station, and 35 minutes from Richmond International Airport.

OTHER ACTIVITIES

THERE IS MUCH IN RICHMOND TO SEE BEYOND OUR CONVENTION. A few suggestions:

- ❖ The Virginia Museum of Fine Arts has comprehensive European collections of all periods, a large American gallery, and an impressive collection of late 19th- and early 20th-century furniture, as well as earlier pieces.
- ❖ Attractive parks along the notably wide James River have many walking trails to explore.
- ❖ Agecroft Hall is a Tudor manor house built in the late 15th century in Lancashire, England, and moved to Richmond as a residence, and the even older, and adjacent, Virginia House, the former 12th-Century Warwick Priory moved to Richmond in 1925 as a residence. These are both open for tours, Agecroft having regular hours, but Virginia House requiring special arrangement. The homes have connecting gardens on a high bank above the James River, and are a five-minute drive from the Byrd Theatre.

BEYOND RICHMOND

CHARLOTTESVILLE AND MONTICELLO ARE LITTLE MORE THAN an hour's drive from Richmond, allowing you to savor Thomas Jefferson's extraordinary campus for the University of Virginia together with his iconic plantation home. Virginia is also home to more than 250 wineries, most of which heartily welcome visitors for a sip or a case. Finally, the Blue Ridge Mountains and its marvelous Parkway are an easy splendor to take in for those who drive, and Staunton is home to Taylor & Boody's converted schoolhouse workshop.

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SCHEDULE

SATURDAY, OCTOBER 5 PRE-CONVENTION TOUR

- 8:30 AM Bus departs
- 9:30 AM B.A. Sunderlin Bell Foundry Tour/Demo
- 11:30 PM Bus Departs for Byrd Theater
- 12:15 PM Lunch on your own
- 1:30 PM Silent Movie and Tour
Concert: Organ and Countertenor
- 4:00 PM Bus Departs
- 5:00 PM Arrive at Hotel
- 6:00 PM Dinner on your own

SATURDAY, OCTOBER 5

- 8:00 AM Registration Desk Open
- 8:00 AM Exam Review Session
- 12:00 PM Lunch on your own
- 1:00 PM Exam Review and Exam
- 6:15 PM Dinner on your own
- 7:30 PM AIO Board Meeting

SUNDAY, OCTOBER 6

- 8:00 AM Exhibitor Setup
- 10:00 AM Convention Planning Meeting
- 12:00 PM Registration Desk Open
- 12:00 PM Lunch on your own
- 2:00 PM Bus departs for Saint Paul's Episcopal
- 2:30 PM Demonstration: Saint Paul's Episcopal
Rosales Organ Builders, Opus 22 (1999)
Henry Erben (1837)
- 3:30 PM Bus departs for River Road Church, Baptist
- 4:00 PM Recital: River Road Church, Baptist
M.P. Möller, Opus 10590 (1970/1980);
Console by Richard Houghten and
Joseph Zamberlan (2015)
Restored and enlarged by Emery Bros. (2017)
- 6:00 PM Dinner and Exhibits
- 11:00 PM Exhibits close

MONDAY, OCTOBER 7

- 7:00 AM Registration Desk Open
- 8:00 AM AIO Annual Membership Meeting I
- 8:30 AM Break and Exhibits
- 9:30 AM Lecture: *Outlining the Final Exam Project*
Bryan Timm
An overview of the final project for the AIO
Exam for Fellowship Certification. Details
will include design and construction needs
along with the basics of contracts, pricing, and
budgeting.
- 11:00 AM Lecture: *Pipe Organs in the Richmond Area*
William Van Pelt
A history of pipe organs in the region
- 12:00 PM Lunch and Exhibits
- 12:00 PM APOBA Lunch
- 1:30 PM Lecture: *Lightning Protection*
Kimberly Loehr
Protection for organ control systems
starts with the building.
- 2:45 PM Panel: *Lightning in Relation to Installations*
SSOS, Peterson, IOTI, Syndyne
A panel discussion on lightning protection as it
relates to switching and controls systems
- 3:45 PM Break and Exhibits
- 4:00 PM Lecture: *The Case for Cases*
George Taylor
The amazing history of the pipe organ and how
chest designs and cases were integral to success.
- 5:30 PM Exhibits and Free Time
- 6:30 PM Dinner and Exhibits
- 6:30 PM 35-and-Under Dinner
- 10:00 PM Exhibits Close

TUESDAY, OCTOBER 8

- 7:00 AM Registration Desk Open
- 8:00 AM Bus departs for Williamsburg
- 9:30 AM Lecture-Demonstration: Bruton Parish
Church
Dobson Pipe Organ Builders, Opus 96 (2019)
Free time — lunch on your own
- 2:30 PM Demonstration: Wren Chapel
Chamber organ ca. 1730-1740

SCHEDULE

- 3:30 PM **Demonstration:**
Williamsburg Presbyterian Church
Buzard Pipe Organ Builders, Opus 32 (2006, 2019)
- 4:30 PM **Bus departs for Richmond Hotel**
- 6:00 PM **Dinner and Exhibits**
- 10:00 PM **Exhibits Close**

WEDNESDAY, OCTOBER 9

- 7:30 AM **Registration Desk Open**
- 8:00 AM **AIO Annual Membership Meeting II**
- 9:00 AM **Break and Exhibits**
- 10:00 AM **Lecture: *OSHA No. 1***
Robby Jones
A series of lectures on shop to machinery:
keeping you and your employees safe.
- 11:15 AM **Lecture: *OSHA No. 2***
- 12:15 PM **Lunch**
- 1:30 PM **Lecture: *OSHA No. 3***
- 2:45 PM **Lecture: *When the Job is Rigged***
Lynn Dobson
Personal safety and the art of hoisting
and moving heavy organ parts
- 3:45 PM **Break**
- 4:00 PM **Lecture: *Into Leather?***
Jeremy Wance
A discussion of longevity of organ leather
based on scientific data
- 5:00 PM **Free Time**
- 6:00 PM **Cash Bar**
- 7:00 PM **Banquet and Awards**

THURSDAY, OCTOBER 10 POST-CONVENTION TOUR

- 8:00 AM **Bus leaves for Ginter Park**
- 8:30 AM **Demonstration: Ginter Park Presbyterian Church (Noehren/Parsons)**
- 9:25 AM **Bus leaves for Saint Stephen's Episcopal Church**
- 9:45 AM **Demonstration Saint Stephen's (Aeolian-Skinner)**
- 10:45 AM **Bus leaves for Saint Benedict Church**
- 11:00 AM **Demonstration: Saint Benedict (Pasi)**
- 12:00 PM **Lunch**
- 1:30 PM **Demonstration Grace Covenant Church (Schantz)**
- 2:30 PM **Bus leaves for Bethlehem Lutheran Church**
- 2:45 PM **Demonstration: Bethlehem Lutheran Church (Taylor & Boody)**
- 3:45 PM **Bus Leaves for Saint Michael's Church**
- 4:15 PM **Organ Demonstration: Saint Michael's Church (Taylor & Boody)**
- 6:00 PM **Bus arrives at Hotel**



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PRESENTERS

DUNCAN CRUNDWELL

DUNCAN CRUNDWELL, A CHARTERED Mechanical Engineer, is President and Systems Design Chief for Solid State Organ Systems. After work as a recording engineer and project engineer for recording studio construction, Duncan joined Solid State Logic in 1984 to customize that firm's audio mixing consoles. Later he moved to the company's Organ Division and purchased the company in 2002. After a few years running the factory in Brandon, England, Duncan moved to the U.S. and now helps with customer service and project manages new product development.



LYNN DOBSON

AFTER WORK AT OTHER COMPANIES, Lynn Dobson began building organs under his own name in 1974. To date, the firm has built 96 new instruments, as well as restorations and rebuilds. New instruments are generally encased with mechanical action, although several large instruments have had electric action. Restoration projects have included 19th-century organs; rebuilds include the enlargement of several Skinners and the restoration/enlargement of the 102-rank Schlicker at Valparaiso University. The 22-person Dobson shop recently finished the 126-rank organ for Saint Thomas, New York, and the instrument at Bruton Parish Church, Williamsburg. Lynn is a member of AIO, AGO and OHS; Dobson Pipe Organ Builders, Ltd. is a member of APOBA and ISO.



ROBBY JONES

ROBBY JONES HAS OVER 30 YEARS' experience as a practicing safety professional and environmental health safety (EHS) manager, and holds a Master's degree in Occupational Safety from East Carolina University. Robby is also a certified public manager, and holds an OSH Construction Safety Specialist certification through the North Carolina Department of Labor. Robby is an OSHA-authorized instructor for both the general industry and construction 10- and 30-hour courses. He has worked with a wide range of industries to improve safety and



health programs. Most recently, Robby, was West Bureau Chief for OSHA Compliance with the North Carolina Department of Labor (NCDOL), for which he managed 70 OSHA compliance personnel. In addition to Bureau Chief, Robby has also been a district compliance supervisor and OSHA compliance officer during his 26 years with NCDOL.

KIMBERLY LOEHR

KIMBERLY LOEHR IS A PRINCIPAL AT Loehr Lightning Protection Co. and a communications consultant for the not-for-profit Lightning Protection Institute (LPI), based in Maryville, Missouri. She is a National Fire Protection Association (NFPA) Building Fire Safety Systems Section member and a former Forum contributor for the NFPA Journal. She serves on the board of the Lightning Safety Alliance (LSA) and is a registered course provider for the LSA's national AIA Continuing Education Service (CES).



Kim is past president of the United Lightning Protection Association (ULPA). As a partnership member of the NOAA/NWS Lightning Safety Awareness Team and the National Lightning Safety Council, Kim assisted with campaign efforts in connection with "National Lightning Safety Awareness Week."

SEAN O'DONNELL

WITH A DEGREE IN ELECTRICAL ENGINEERING and several years' experience in nuclear engineering, Sean O'Donnell began a full-time career in organbuilding in 1988. He has specialized in technical work, with a particular interest in player systems. In the 1990s he was responsible for engineering the Barden computerized player system. He has worked freelance with many builders, providing technical support for consoles, control systems, wiring, and installation. In 2014 he became involved with Integrated Organ Technology, Inc., and in 2016 became a principal in that firm, continuing to assist organbuilder colleagues with their technical challenges.



Mr. O'Donnell has been a member of AIO since 1989. He served on the Board from 2004 to 2007, and chaired the Education Committee from 2008 to 2016.

SCOTT PETERSON

SCOTT PETERSON WAS INTRODUCED to pipe organs at an early age while helping his father, Richard, at local churches. During high school, Scott worked afternoons and Saturdays at Peterson Electro-Musical Products (the family business), where he became familiar with electronics and manufacturing. After earning a degree in Electrical Engineering from Purdue University in 1981, Scott joined Peterson full-time, tackling product design and production management. After gradually taking on business management responsibilities, Scott was appointed company president in 1991. A longstanding AIO member, Scott has participated in panel discussions, lectures, and seminars, and has occasionally assisted “behind the scenes” with pipe organ-related aspects of the National Electrical Code®. Away from work, Scott enjoys family, traveling, boating, and restoring antique German automobiles.



WILLIAM T. VAN PELT

THOUGH NOT AN ORGANBUILDER, Richmond native William Van Pelt has done a considerable amount of organ work since 1965, including removal, installation, removal and maintenance. After actively volunteering with the Organ Historical Society from 1976 to 1982, he became the Society's first full-time employee and Executive Director in 1982, serving until 2006. In 1978, Bill established Raven Enterprises, LLC, which produces mostly organ and choral recordings on the Raven label. Additionally, he and Bruce Stevens operate Historic Organ Study Tours, which this August conducted its 26th annual tour of organs in Europe (eleven days in Bavaria with 44 participants).



GEORGE TAYLOR

VIRGINIA NATIVE GEORGE TAYLOR studied liberal arts at Washington & Lee University. He learned organbuilding as an apprentice of Rudolf von Beckerath in Hamburg, Germany under a grant from the Ford Foundation. From 1970 to 1977, George was a partner in the firm of John Brombaugh & Co. in Ohio. Since then he has been co-director of Taylor & Boody Organbuilders in Staunton, Virginia, where the firm has built or restored more than 80 organs.



JEREMY WANCE

A NATIVE OF NORMAN, OKLAHOMA, Jeremy Wance began organ study at twelve, developing a strong interest in the instrument itself and maintaining that love through other studies and careers. With the founding of the American Organ Institute at the University of Oklahoma, Jeremy returned to the organ and was that program's first master's student in organ technology. Subsequently, he was made a staff member, with oversight of publicity, events, public and university relations, recordings, development, and administration.



BRYAN TIMM

BRYAN TIMM IS VICE PRESIDENT OF Organ Supply Industries and a Fellow of AIO. A native of northwestern Pennsylvania, he graduated from Mercyhurst University, D'Angelo School of Music, in Erie, with a concentration in organ performance and minor in business administration. His apprenticeship was with Fischer Organ Company of Erie under the tutelage of Paul Fischer. Bryan also serves Immanuel Lutheran Church in Erie as Organist/Choirmaster, and the Mercyhurst Concert Choir as touring accompanist.



BENJAMIN YOUNG

BEN YOUNG IS PRESIDENT OF Syndyne Corporation and an AIO Director-at-Large. Ben grew up immersed in component manufacturing at the knee of his father, Arthur Young, at the Syndyne shop; his teen off-hours were spent assembling switches. Ben later studied business administration at Whitworth College, where he also played football and sang baritone. As Syndyne has continued to expand, Ben's twin loves of technology and business have helped him tackle some of Syndyne's growing pains, from component development to product cost management. Ben also enjoys writing music, volunteering at church, and helping his wife raise their two adventurous sons in the beautiful Pacific Northwest.





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Manuals: CC-a³, 58 notes

Pedals: CC-f¹, 30 notes

GREAT II

16	Bourdon
8	Principal
8	Spire Flute
4	Octave
4	Gedackt
2½	Twelfth
2	Fifteenth
V	Cornet
IV-V	Mixture
8	Trumpet
	Swell to Great
	Choir to Great

SWELL III, ENCLOSED

8	Chimney Flute
8	Viol
8	Viol Celeste tenor c
4	Principal
4	Flute
2½	Nasard
2	Gemshorn
1½	Tierce
III-IV	Mixture
16	Bassoon
8	Trumpet
8	Oboe

CHOIR I

8	Stopped Diapason
4	Chimney Flute
2	Fifteenth
1½	Larigot
II	Sesquialtera
8	Dulcian

PEDAL

16	Violonbass
16	Subbass
8	Octave
8	Flute
4	Octave
V	Mixture
16	Trombone
8	Trumpet Great
	Great to Pedal
	Swell to Pedal
	Choir to Pedal

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Renée Anne Louprette in recital

PHOTO WILLIAM T. VAN PELT

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Taylor & Boody Organbuilders, Staunton, Virginia ♦ Opus 7, 1983

Manuals: CC-g³, 56 notes

Pedals: CC-f¹, 30 notes

GREAT II

16	Bourdon	
8	Principal	doubled from e ¹
8	Hohlflöte	
8	Dolce Principal	
4	Octave	
4	Spitzflöte	
3	Quinte	
3	Nasat	tenor g
2	Superoctave	
V-VII	Mixture	
8	Trompet	
	Rückpositiv to Great	

RÜCKPOSITIV I

8	Gedackt
4	Principal
4	Rohrflöte
2	Gemshorn
II	Sesquialtera
III-VI	Scharff
8	Dulcian

Tremulant (entire organ)
Suspended mechanical key-action
Mechanical stop-action
Kirnberger III temperament
Metal pipes of hammered lead-tin alloys
Case of solid white oak

PEDAL

16	Subbaß
8	Octavbaß
4	Octave
16	Posaune
8	Trompet
2	Cornett
	Great to Pedal
	Rückpositiv to Pedal

Prepared Brustwerk keyframe stored inside on vertical tracker run (see photo)



PHOTOS WILLIAM T. VAN PELT

GINTER PARK PRESBYTERIAN CHURCH

3601 SEMINARY AVENUE, RICHMOND, VIRGINIA

Robert Noehren ♦ 1965

Parsons Pipe Organ Builders, rebuilding and enlargement ♦ 2012 †

Manuals: CC-g³, 56 notes

Pedals: CC-g¹, 32 notes

GREAT II

16	Gedeckt	ext. Positiv 8
8	Principal	
8	Rohrflöte	
8	Harmonic Flute	prepared
4	Octave	
4	Spire Flute	
2	Super Octave	
2	Waldflöte	ext. 4
	Sesquialter	tenor c
	Mixture	
8	Trumpet †	

POSITIV I

8	Gedeckt	
8	Quintadena	
4	Principal	
4	Chimney Flute	
2	Octave	ext. 4
	Sharp Mixture	
8	Krummhorn	
16	Trumpet	Great, tenor c
8	Trumpet	Great
	Positiv 16	
	Positiv Unison Off	

CHOIR II

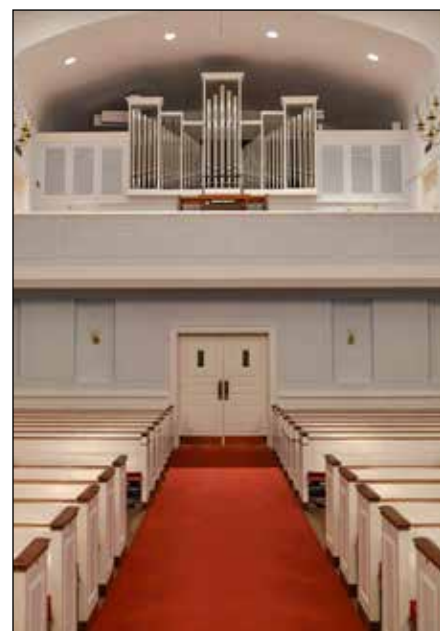
8	Bourdon	Swell
8	Gemshorn	FF
8	Gemshorn Celeste	tenor c
4	Spitzflöte	ext.
2½	Nasard	tenor c
2	Block Flute	ext.
1½	Tierce	tenor c
1½	Larigot	ext.

SWELL III

8	Geigen †	
8	Bourdon	
8	Gambe	
8	Voix Celeste	tenor c
4	Octave Geigen	ext.
4	Flute Harmonique	
2	Octavin	ext.
	Plein Jeu	
16	Bassoon †	ext.
8	Trompette	
8	Hautbois †	
4	Clarion	ext.
8	Trumpet	Great
	Swell 16	
	Swell Unison Off	
	Swell 4	

PEDAL

32	Resultant	
16	Open Wood	1995, David Storey
16	Violone †	
16	Gedeckt	Great
8	Principal	
8	Cello †	ext.
8	Gemshorn	Choir
4	Chorale Bass	
4	Flute	Great
2	Super Octave	ext.
	Mixture	
32	Basse de Cornet	derived
16	Posaune †	Great ext.
16	Bassoon	Swell
8	Trumpet	Great
4	Clarion	Great



COUPLERS

Great to Pedal 8
Positiv to Pedal 8
Swell to Pedal 8
Choir to Pedal 8
Positiv to Pedal 4
Swell to Pedal 4
Choir to Pedal 4

Swell to Great 16
Swell to Great 8
Swell to Great 4
Choir to Great 16
Choir to Great 8
Choir to Great 4
Positiv to Great 16
Positiv to Great 8

Swell to Positiv 16
Swell to Positiv 8
Swell to Positiv 4

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GRACE COVENANT PRESBYTERIAN CHURCH

1627 MONUMENT AVENUE, RICHMOND, VIRGINIA

Schantz Organ Company, Orrville, Ohio ♦ Opus 2257, 2005

Incorporating parts of Skinner Organ Co. Opus 366 (1922) and Opus 366-A (1925 Echo) 4m, 45 stops, 39 ranks

Rebuilt Standaart Organ Company, Suffolk, Virginia ♦ 1950

Tonal alterations M.P. Möller, R-472 ♦ 1953

Rebuilt M.P. Möller, R-929, 6 divisions, 40 stops, 49 ranks ♦ 1975

Manuals: CC-c⁴, 61 notes

Pedals: CC-g¹, 32 notes

GREAT II

16	Violone	ext.
8	Open Diapason	
8	Violone	
8	Bourdon	
8	Harmonic Flute	
4	Principal	
4	Koppelflöte	
2⅔	Twelfth	
2	Fifteenth	
IV	Mixture	
	Tremulant	
	Great 16	
	Great Unison Off	
	Great 4	
8	Covenant Trumpet	Choir
8	Tuba Mirabilis	Solo

SOLO IV, ENCLOSED

8	Gamba	
8	Gamba Celeste	
8	Flauto Mirabilis	
4	Orchestral Flute	
8	French Horn	
8	English Horn	
	Tremulant	
8	Tuba Mirabilis	
	Solo 16	
	Solo Unison Off	
	Solo 4	
8	Covenant Trumpet	Choir
	Chimes	25 tubes

SWELL III, ENCLOSED

16	Lieblich Bourdon	
8	Geigen Diapason	
8	Chimney Flute	
8	Salicional	
8	Voix Celeste	
8	Flauto Dolce	
8	Flute Celeste	tenor c
4	Principal	
4	Harmonic Flute	
2⅔	Nasard	
2	Block Flute	
1⅓	Tierce	
IV	Full Mixture	
16	Bassoon	
8	Trompette	
8	Oboe	
4	Clairon	
8	Vox Humana	
	Tremulant	
	Swell 16	
	Swell Unison Off	
	Swell 4	
8	Covenant Trumpet	Choir
8	Tuba Mirabilis	Solo

Electro-pneumatic action

CHOIR I, ENCLOSED

16	Contra Viola	
8	Principal	
8	Viola	
8	Viola Celeste	GG
8	Gedeckt	
4	Octave	
4	Zauberflöte	
2	Gemshorn	
1⅓	Quinte	
1	Sifflöte	
IV	Cymbal	
8	Clarinet	
	Tremulant	
	Choir 16	
	Choir Unison Off	
	Choir 4	
	Zimbelstern	5 bells
16	Covenant Trumpet	tenor c, ext.
8	Covenant Trumpet	
4	Covenant Trumpet	ext.
8	Tuba Mirabilis	Solo

ANTIPHONAL IV, ENCLOSED

8	Rohrflöte	
8	Erzähler	
4	Octave	
2⅔	Twelfth	
2	Fifteenth	
	Antiphonal 16	
	Antiphonal 4	

PEDAL

32	Contre Violone	digital
32	Contre Bourdon	digital
16	Contrebasse	
16	Violone	Great
16	Bourdon	
16	Contra Viola	Choir
16	Lieblich Bourdon	Swell
8	Octave	
8	Violone	Great
8	Bourdon	
8	Gedeckt bass	Swell
4	Choral Bass	
4	Open Flute	
III	Mixture	
32	Contra Posaune	ext., digital
32	Contra Bassoon	ext., digital
16	Posaune	
16	Bassoon	Swell
8	Tromba	ext.
8	Oboe	Swell
4	Clarion	ext.
4	Oboe Clarion	Swell
8	Covenant Trumpet	Choir
8	Tuba Mirabilis	Solo

COUPLERS

Great to Pedal 8	Great to Swell 8
Swell to Pedal 8	Choir to Swell 8
Choir to Pedal 8	Antiph. on Swell
Solo to Pedal 8	
Antiph. to Pedal 8	Great to Choir 8
Great to Pedal 4	Swell to Choir 16
Swell to Pedal 4	Swell to Choir 8
Choir to Pedal 4	Swell to Choir 4
Solo to Pedal 4	Solo to Choir 8
Antiph. to Pedal 4	Antiph. on Choir

Swell to Great 16	Great to Solo 8
Swell to Great 8	Swell to Solo 8
Swell to Great 4	Choir to Solo 8
Choir to Great 16	Antiph. off IV
Choir to Great 8	
Choir to Great 4	
Solo to Great 16	
Solo to Great 8	
Solo to Great 4	
Antiph. on Great	



PHOTO WILLIAM T. VAN PELT

BRUTON PARISH EPISCOPAL CHURCH

331 WEST DUKE OF GLOUCESTER STREET, WILLIAMSBURG, VIRGINIA

Dobson Pipe Organ Builders, Ltd. ❖ Opus 96, 2019

Manuals: CC-c⁴, 61 notes

Pedals: CC-g¹, 32 notes

GREAT II

16	Bourdon
8	Principal
8	Gamba
8	Chimney Flute
4	Octave
4	Flute
2½	Twelfth
2	Fifteenth
1½	Seventeenth
IV	Mixture
8	Trumpet
	Tremulant <i>also affects Positive</i>
	Swell to Great
	Positive to Great
	Great/Positive Transfer
	Zimbelstern
	A440 / A415

SWELL III, ENCLOSED

8	Diapason
8	Bourdon
8	Viole
8	Viole Celeste
4	Octave
4	Harmonic Flute
2½	Nasard
2	Octavin
1½	Tierce
III	Mixture
16	Bassoon
8	Trumpet
8	Oboe
4	Clarion
	Tremulant

POSITIVE I

8	Principal
8	Gedeckt <i>62 pipes, with BBB</i>
4	Octave <i>62 pipes, with BBB</i>
4	Chimney Flute <i>62 pipes, with BBB</i>
2	Super Octave <i>62 pipes, with BBB</i>
1½	Larigot
II	Sharp Mixture
8	Clarinet
	Tremulant <i>also affects Great</i>
	Swell to Positive

PEDAL

16	Principal
16	Subbass
16	Bourdon <i>Great</i>
8	Octave
8	Gedeckt <i>ext. Subbass</i>
4	Super Octave
16	Trombone
8	Trumpet
	Great to Pedal
	Swell to Pedal
	Positive to Pedal



PHOTOS WILLIAM T. VAN PELT

SAINT BENEDICT CATHOLIC CHURCH

300 NORTH SHEPPARD STREET, RICHMOND, VIRGINIA

Pasi Organ Builders, Inc. ♦ Opus 5, 1996 Relocated from Kirkland, Washington, to Richmond ♦ 2013

Manuals: CC-a³, 58 notes

Pedals: CC-g¹, 32 notes

GREAT I

16	Bourdon	
8	Principal	
8	Suavial	tenor c
8	Salicional	
8	Rohrflöte	
4	Octave	
3	Quint	
2	Superoctave	
1½	Terz	
IV	Mixture	
8	Trompete	
	II/I	

SWELL II, ENCLOSED

8	Viol da Gamba	
8	Celeste	
8	Bourdon	
4	Flute Harmonique	
2	Octavin	
III	Cornet	g ⁰
III-VI	Scharff	
8	Dulcian	replaces Cromorne

PEDAL

16	Subbass	
8	Bourdon	ext.
8	Principal	
4	Octave	ext.
16	Posaune	
8	Trompete	ext.
	I/P	
	II/P	

Tremulant (entire organ)

Zimbelstern (2018, Chris Bono)

Suspended mechanical key-action

Mechanical stop-action

Temperament "Mark Brombaugh mild"

Single wedge bellows



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SOLID STATE ORGAN SYSTEMS

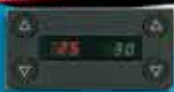
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RIVER ROAD CHURCH, BAPTIST

8000 RIVER ROAD, RICHMOND, VIRGINIA

M.P. Möller ♦ Opus 10590, 1970 & 1980 (Positiv, additions)

Richard Houghten and J. Zamberlan & Co., new console ♦ 2015

Emery Bros., restoration with additions (†) ♦ 2017

Manuals: CC-c⁴, 61 notes

Pedals: CC-g¹, 32 notes

GREAT II

16	Benton Violone †	ext.
8	Principal	
8	Violone †	
8	Flöte †	Pedal
8	Bourdon	
4	Octave	
4	Spitzflöte	
2	Super Octave	
III-V	Fourniture	
III	Scharff	
8	Trumpet †	
8	Trompette de fête	Choir
4	Bombarde †	Pedal
	Tremulant	
	Great 16	
	Great Unison Off	
	Great 4	
	Zimbelstern forte †	
	Zimbelstern piano †	
	Harp †	digital
	Chimes †	digital

POSITIV IV

8	Holzgedeckt	
4	Spillflöte	
2	Principal	
1½	Quinte	formerly 1
II	Sesquialtera	
III-V	Zimbel	
	Tremulant	
	Positiv Unison Off	

SWELL III, ENCLOSED

16	Rohrbass	
8	Flûte traversière †	
8	Rohrflöte	ext.
8	Viole de Gambe	
8	Viole céleste	GG
4	Prestant	
4	Flûte harmonique	
2½	Rohrnat	
2	Blockflöte	
1½	Tierce	
IV	Plein Jeu	
16	Contre Hautbois	
8	Trompette	
8	Hautbois	ext.
4	Clairon	
	Tremulant	
8	Trompette de fête	Choir
	Swell 16	
	Swell Unison Off	
	Swell 4	

SOLO IV †

8	Blockflöte	Pedal
8	Violone	Great
8	Flûte traversière	Swell
8	Freeman Clarinet	Choir
8	Hautbois	Swell
8	Rohrschalmei	Choir
8	Bombarde	Pedal
8	Trumpet	Great
8	Trompette de fête	Choir

CHOIR I, ENCLOSED

16	Quintaton †	
8	Montre	
8	Flûte ouverte	
8	Erzähler	
8	Erzähler Celeste	tenor c
4	Prestant	
4	Bourdon	
2	Flûte à fuseau	
1½	Larigot	
III	Mixture	
16	Cor Anglais	
16	Freeman Clarinet †	
8	Cromorne †	
8	Vox Humana †	
4	Rohrschalmei	
	Tremulant	
8	Trompette de fête	
	Choir 16	
	Choir Unison Off	
	Choir 4	

COUPLERS

Great to Pedal 8	Great to Choir 8
Swell to Pedal 8	Swell to Choir 16
Choir to Pedal 8	Swell to Choir 8
Solo to Pedal 8	Swell to Choir 4
Positiv to Pedal 8	Positiv to Choir 16
Great to Pedal 4	Positiv to Choir 8
Swell to Pedal 4	Solo to Choir 8
Choir to Pedal 4	Pedal to Choir 8
Solo to Pedal 4	
	Choir to Swell 8
Swell to Great 16	Positiv to Swell 8
Swell to Great 8	Solo to Swell 8
Swell to Great 4	
Choir to Great 16	Great to Solo 8
Choir to Great 8	Great/Choir Transfer
Choir to Great 4	Pedal Divide
Positiv to Great 16	
Positiv to Great 8	
Solo to Great 8	

PEDAL

32	Bourdon †	ext., 1-5 digital
32	Lieblich Gedeckt †	ext. Sw., 1-12 digital
16	Principal	
16	Benton Violone †	Great
16	Bourdon	
16	Quintaton	Choir
16	Rohrbass	Swell
8	Octave	
8	Violone †	Great
8	Bourdon	ext.
8	Rohrflöte	Swell
4	Choral Bass	
4	Blockflöte	
2	Blockflöte	ext.
II	Mixture	
II	Acuta	ext.
V	Cornet 32	derived
32	Contre Bombarde	ext., half-length
32	Contra Fagotto †	digital, in Swell
16	Bombarde	
16	Hautbois	Swell
8	Trompette	ext.
8	Trumpet	Great
8	Hautbois	Swell
4	Clairon	ext.
4	Rohrschalmei	Choir
8	Trompette de fête	Choir
	Pedal Unison Off	



PHOTO WILLIAM T. VAN PELT

SAINT STEPHEN'S EPISCOPAL CHURCH

6000 GROVE AVENUE, RICHMOND, VIRGINIA

Aeolian-Skinner Organ Co. ♦ Opus 1110, 1951

Opus 1110-A ♦ 1968 (console, Positiv, Antiphonal, † additions)

Emery Bros., restoration ♦ 2001-'02

Emery Bros., console renovation ♦ 2015

Manuals: CC-c⁴, 61 notes

Pedals: CC-g¹, 32 notes

GREAT II

16	Quintaton
8	Principal
8	Spitzflöte
8	Bourdon
4	Principal
4	Rohrflöte
2½	Twelfth
2	Fifteenth
IV	Fourniture
II-III	Cymbale †
8	Trompette de fête †
4	Clairon de fête † ext.
	Chimes
	Zimbelstern
	Great 16
	Positiv on Great

CHOIR I, ENCLOSED

8	Singendgedeckt
8	Viola
8	Viola Celeste
8	Erzähler
8	Kleiner Erzähler tenor c
4	Koppelflöte
2½	Nasard
2	Blockflöte
1½	Tierce
8	Clarinet
	Tremulant
	Choir 16
	Choir Unison Off
	Choir 4
	Positiv on Choir

SWELL III, ENCLOSED

8	Geigen Principal
8	Stopped Diapason
8	Viole de Gambe
8	Viole Celeste
8	Flûte céleste II celeste t.c
4	Principal
4	Flauto Traverso
2	Octavin †
IV	Plein Jeu
16	Contre Hautbois
8	Trompette
8	Hautbois ext.
4	Clairon
	Tremulant
	Swell 16
	Swell Unison Off
	Swell 4
	Positiv on Swell

POSITIV IV, FLOATING †

8	Holzgedeckt
4	Prinzipal
4	Spillflöte
2	Lieblichprinzipal
1½	Larigot
1	Sifflöte
III	Scharf

COUPLERS

Great to Pedal	Swell to Great
Swell to Pedal	Choir to Great
Choir to Pedal	Antiph. to Great
Positiv to Pedal	Swell to Great 16
Antiph. to Pedal	Choir to Great 16
Swell to Pedal 4	Swell to Great 4
Choir to Pedal 4	Choir to Great 4
Swell to Choir	Antiph. to Swell
Antiph. to Choir	All Swells to Swell
Swell to Choir 16	
Swell to Choir 4	

ANTIPHONAL IV †

8	Principal
4	Praestant
2	Flachflöte
IV-VI	Mixture
8	Trompette de Fête Great
4	Clairon de Fête Great
16	Pedal Sub Principal ext., 12 pipes

PEDAL

32	Resultant
16	Principal Bass
16	Bourdon
16	Quintaton Great
16	Echo Lieblich 12 pipes, ext. Sw.
8	Octave
8	Flute ext.
4	Super Octave
4	Spitzflöte †
IV	Mixture
32	Contre Bombarde † ext., half-length
16	Bombarde
16	Contre Hautbois Swell
8	Trompette ext.
4	Clairon ext.
	Chimes



PHOTO WILLIAM T. VAN PELT

Rudolph Wurlitzer Manufacturing Co. ❖ Opus 1948, 1928

Four manuals, 17 ranks



SOLO IV

BOMBARDE III

GREAT II

ACCOMPANIMENT I

PEDAL

MAIN CHAMBER

16-8-4	Ophicleide/Tuba Horn
16-8-4	Diaphone/ Diaphonic Diapason
8-4	Tibia Plena
8	Clarinet
8-4-2	Viol d'Orchestre
8-4	Viol Celeste
16-8-4-2 $\frac{3}{4}$ -2-1 $\frac{3}{4}$	Bourdon/Flute
	Chrysoglott
	Bird

UNENCLOSED PERCUSSION

Piano
Master Xylophone
Harp / Marimba

SOLO CHAMBER

8-4	English Horn <i>replaces missing Tuba Mirabilis</i>
8	Trumpet
16-8-4-2 $\frac{3}{4}$ -2	Tibia Clausa
8	Orchestral Oboe
8	Kinura
8	Saxophone
8	Solo String
8	Oboe Horn
8	Quintadena
8-4	Vox Humana
	Xylophone
	Cathedral Chimes
	Sleigh Bells

SOLO CHAMBER PERCUSSION & EFFECTS

Bass Drum/ Kettle Drum	Sand Block
Crash Cymbal	Triangle
Cymbal	Aeroplane
Bird	Wind
Snare Drum	Doorbell
Tambourine	Auto Horn
Castanets	Surf
Chinese Block	Fire Gong
Tom-Tom	Boat Whistle
	Horse

TREMULANTS

Main
Solo
Tuba/Diapason
English Horn
Vox Humana
Tibia Clausa
Tibia Plena



PHOTOS WILLIAM T. VAN PELT

SAINT PAUL'S EPISCOPAL CHURCH

815 EAST GRACE STREET, RICHMOND, VIRGINIA

Rosales Organ Builders ♦ Op. 22, 1999

Manuals: CC-a³, 58 notes

Pedals: CC-f¹, 30 notes

GREAT II

16	Prestant
8	Principal
8	Salicional
8	Chimney Flute
4	Octave
4	Spire Flute
2½	Octave Quinte
2	Super Octave
1½	Tierce
V	Mixture
8	Trumpet
8	Bell Clarinet
Tremulant <i>also affects Solo</i>	
Swell to Great	

SOLO I

8	Flûte harmonique
8	Bourdon
4	Prestant
III	Cornet <i>tenor g</i>
8	Trompette harmonique
4	Clairon harmonique
Tremulant <i>also affects Great</i>	
Great to Solo	
Swell to Solo	

SWELL III, ENCLOSED

16	Bourdon
8	Geigen Principal
8	Flûte traversière
8	Stop'd Diapason
8	Viole de Gambe
8	Voix céleste
4	Principal
4	Rohrpipe
2½	Nasard
2	Doublet
1½	Tierce
IV	Mixture
16	Double Trumpet
8	Trumpet
8	Hautbois
8	Vox Virginia
Tremulant	

PEDAL

32	Great Bass	<i>Resultant</i>
16	Open Wood	
16	Prestant	<i>Great</i>
16	Bourdon	
8	Octave	
8	Spire Flute	
4	Super Octave	
16	Trombone	
8	Trumpet	
4	Clarion	
Great to Pedal		
Swell to Pedal		
Solo to Pedal		

Cymbelstern
Nightingale

Mechanical key-action
Electric stop-action
Kellner temperament



PHOTO WILLIAM T. VAN PELT

SAINT PAUL'S EPISCOPAL CHURCH

815 EAST GRACE STREET, RICHMOND, VIRGINIA

Henry Erben, New York ♦ 1837

Manual: GGG, AAA-f³, 58 notes
Bass to f⁰, treble from f^{#0}

MANUAL

8	Open Diapason [treble]
8	Stopped Diapason Bass
8	Stopped Diapason Treble
8	Dulciana [treble]
4	Principal
4	Flute [treble]
2	Fifteenth

The keyboard slides into case, and a hinged panel folds up to close the keydesk flush with the case front.

Two machine-stop pedals silence and re-activate the Principal, Flute and Fifteenth.



PHOTO WILLIAM T. VAN PELT

ORIGINALLY BUILT FOR SAINT LUKE'S Episcopal Church, Granville, Ohio, the organ served until 1900. Remaining in Ohio, it first was sold to Charles Winder, who then sold it to Christ Episcopal Church, Ironton. Later, it was relocated to the Congregational Church in Oak Hill, after which it was sold to Robbins Hunter in Granville (ironically, a Vestryman of Saint Luke's, the organ's original home, although Mr. Hunter did not realize it). After Mr. Hunter's death in 1979, parts of the organ were dispersed to two locations. Lawrence Schwartzenberger of Warsaw, Ohio, purchased the organ and in 1983 sold it through the Organ Clearing House to Church of the Epiphany in Newton, North Carolina, which commissioned a restoration by Mann & Trupiano of Brooklyn, New York. This work included a new pedalboard and 16 Bourdon. In 1988, the organ was again relocated by Larry Trupiano to the chapel of Saint Paul's Richmond, removing the Pedal and its 16 Bourdon.

COLLEGE OF WILLIAM & MARY, WREN CHAPEL

111 JAMESTOWN ROAD, WILLIAMSBURG, VIRGINIA

Unknown ♦ ca. 1730-1740

Manual, 54 notes. GGG, AAA, BBB-d³
Treble registers commence at c¹; 51mm wind pressure

MANUAL

8	Open Diapason [treble]
8	Stopped Diapason
4	Principal Bass
4	Principal Treble
4	Flute
2½	Twelfth Bass
2½	Twelfth Treble
2	Fifteenth Bass
2	Fifteenth Treble
Echo Pedal disengages Principal, Twelfth, Fifteenth treble stops	

The builder is thought to have been a German journeyman working in England.



WILLIAMSBURG PRESBYTERIAN CHURCH

215 RICHMOND ROAD, WILLIAMSBURG, VIRGINIA

Buzard Pipe Organ Builders ❖ Opus 32, 2006/2019

Manuals: CC-c⁴, 61 notes

Pedals: CC-g¹, 32 notes

GREAT II, 4" WIND

16	Lieblich Gedeckt
8	Open Diapason
8	Viola da Gamba
8	Harmonic Flute 1-6 from 16
4	Principal
4	Spire Flute
2½	Twelfth
2	Fifteenth
1½	Seventeenth
V	Fourniture
8	Trumpet
	Tremulant
	Cymbalstern
8	Tromba ext. Ped
8	Major Tuba Choir
8	Tuba Solo melody coupler

SWELL III, ENCLOSED, 4" WIND

8	Violin Diapason
8	Stopped Diapason
8	Salicional
8	Voix Celeste tenor c
4	Principal
4	Harmonic Flute
2½	Nazard
2	Recorder
1½	Tierce
2	Octavin
V	Plein Jeu
16	Bassoon
8	Trompette
8	Oboe
	Tremulant
8	Major Tuba Choir

PEDAL 4", 5" WIND

32	Subbass 1-12 digital
32	Lieblich Gedeckt Great, 1-12 digital
16	Open Diapason
16	Bourdon
16	Lieblich Gedeckt Great
8	Principal
8	Spire Flute
8	Bass Flute ext. Bourdon
4	Choral Bass ext.
4	Open Flute ext. Bourdon
16	Trombone wood
16	Bassoon Swell
8	Tromba ext.
4	Clarion ext.
8	Major Tuba Choir

CHOIR I, ENCLOSED, 4" WIND

8	English Open Diapason
8	Claribel Flute
8	Flûte à Bibéron
8	Flute Cœlestis
4	Principal
4	Koppel Flute
2	Doublette
IV	Mixture
8	Clarinet
	Tremulant
8	Major Tuba

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