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During our 92 years of serving organ builders around the world, we've carved out a niche as the supplier of choice for the unusual, the out-of-the-ordinary, or the too-difficult-to-handle-in-house. Since virtually everything we make is custom, from exotic materials to unconventional construction of unusual stops, we're well-versed in the art of customer service. We'll think along with you, recommend approaches to meet your needs, and be flexible and responsive to changes along the way.

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A.R. Schopp's Sons Inc.
The American Institute of Organbuilders

1990 Board of Directors

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James E. Miller, Vice President
Richard B. Parsons, Secretary
Lynn Dobson, Treasurer

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Steven A. Dieck
John Goulding
Walter Holtkamp
Victor B. Schantz

Executive Secretary
Howard Maple

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Allen R. Miller, Co-Chairman
Gordon Auchincloss, Treasurer
Alfred Q. Isaacson, Brochure
Bon R. Smith, Brochure, Registrar
David A. J. Broome, Exhibits
Frederick L. Mitchell, Transportation
AMERICAN INSTITUTE OF ORGANBUILDERS
Board of Directors and Committee Structure

Board terms expire following the annual convention in the years listed. Committees are chaired by the first person listed. Except for the Nominating Committee, board members are responsible for communicating with the committee(s) listed in their column.

PRESIDENT '91
James Gruber
2014 N. Harlem Avenue
Elmwood Park, IL 60635

SECRETARY '90
Richard B. Parsons
4822 Bristol Valley Road
Canandaigua, NY 14424

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

Richard B. Parsons
Timothy E. Boles
David Junchen

VICE PRESIDENT '91
James E. Miller
1291 Bardstown Road
Louisville, KY 40204

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

James E. Miller
Matthew Belloccio
Brian M. Fowler
Greg Harrold
Cornel Zimmer

TREASURER '91
Lynn Dobson
P.O. Box 25
Lake City, IA 51449

Budget & Finance
Propose an annual budget for approval.

Lynn Dobson
John Paul Buzard
Charles E. Kegg

BOARD MEMBER '92
Victor B. Schantz
P.O. Box 156
Orville OH 44667

EDUCATION
Administer training program and plan educational content of conventions and mid-year seminars.

John C. Gumpy
Jack Bethards
Tim Henery
Manuel J. Rosales
Jack L. Sievert

CONVENTION
Overview
Compile statistics and update handbook. Hold review session in January to evaluate previous convention.

Dennis Unks

BOARD MEMBER '92
Steven A. Block
9 Woodward Avenue
Gloucester MA 01930

STATS & STANDARDS
Compile and publish industry statistics and standards. (special committee)

Robert O. Wuesthoff
Peter A. Visser
(co-chairmen)

Randall S. Dyer
Stephen L. Emery
Stephen Leslie
Allan J. Onisko
Edward E. Schurig

ETHICS
Receive complaints and inquiries regarding ethics matters. Recommend action to board of directors.

Dennis P. Milner
William Czelsinski
Ronald H. Poll

BOARD MEMBER '92
John Goulding
4965 Kingsley Drive
Indianapolis IN 46205

EXAM
Establish criteria, scope and procedure for annual exams.

Randall E. Wagner
Frank L. Friemel
Thomas Turner

BOARD MEMBER 90
Lyle Blackinton
330 Front Street
El Cajon CA 92020

JOURNAL
Procure and review articles, contribute to journal content.

John Penning
George Bozeman, Jr.
Burton K. Tidwell

BOARD MEMBER 90
Walter Holtkamp
2909 Meyer Avenue
Cleveland OH 44109

OUTREACH
Further the goals of the AIO through independent and cooperative projects.

Lance E. Johnson
Stephen L. Adams
Frederick L. Beal
Rene A. Marceau
William A. Visscher

BOARD MEMBER 90
Lyle Blackinton
330 Front Street
El Cajon CA 92020

NOMINATING
Select candidates for election at annual business meeting, provide biographies of candidates to the membership.

David L. Junchen
John Paul Buzard
Frank L. Friemel
James E. Miller
Robert O. Wuesthoff

EXECUTIVE SECRETARY AND JOURNAL EDITOR
Howard Maple, P.O. Box 130982, Houston, TX 77219-0982
(713) 529-2212
About the A.I.O.

Objectives and History

The American Institute of Organbuilders (A.I.O.) is made up of professional organbuilders who actively wish to advance the science and practice of organ building in America by discussion, inquiry, research, experiment, and other means. We further wish to disseminate this knowledge by lectures, publications, and the exchange of information.

In 1973, a group of professional organbuilders met in Washington, D.C., to explore the possibility of a viable professional organization. A provisional board of directors 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.

The annual conventions of the A.I.O. conduct pertinent business and sponsor technical lectures and symposiums by distinguished members of the profession. Suppliers to the industry are given an opportunity to display their materials, and sufficient time is available for individuals to meet and exchange useful information.

Membership

There are two classes of membership: Regular and Associate. Individuals who have five or more years of professional experience in organ building, and who subscribe to the objectives of the Institute, may be nominated by a charter or regular member of the A.I.O. for Regular membership. An application is available from A.I.O. headquarters. References by at least two additional persons who are regular or charter members of the Institute are also normally required. Nominees become regular members upon acceptance by the Board and payment of the joining fee and the first year's dues. Regular members are eligible to vote and hold office in the A.I.O.

Individuals who are professionally engaged in organ building, have less than five years' full-time professional experience, and subscribe to the objectives of the Institute, may be nominated by a charter or regular member of the A.I.O. for Associate membership, using the membership application form. Nominees become Associate members upon acceptance by the Board and payment of the joining fee and first year's dues. Associate members shall not vote, but may apply for Regular membership upon completion of at least five years professional experience in organ building. Payment of an additional joining fee is not required.

Dues

Membership dues for regular and Associate members is $40.00, payable in the last quarter of each year, in advance of January 1st of the following years. In addition, a one-time joining fee of $50.00 is required of all successful applicants.

The sum of $25.00 must accompany any nomination for membership. When the nominee is approved for membership, that deposit will be credited to the joining fee. Should the nominee not be approved, the $25.00 will be returned.

Invitation

We invite all qualified organbuilders to consider joining the A.I.O. An application may be requested by writing to:

Howard Maple, Executive Secretary
American Institute of Organbuilders
P.O. Box 130982
Houston, TX 77219

(713) 529-2212
Convention Information

Time:

Pre-convention activities begin on Saturday, October 6th, with the AIO Exam Review Session at 9 am, and the AIO Exams at 1 pm. Registration will be open all days beginning at 8 am. The official opening of the Convention is Monday, October 8th, at 8:30 am and the conclusion is Wednesday, October 10. A post-convention optional tour of noted instruments in the New Haven area is scheduled for Thursday, October 11th, and its cost is not included in the registration fee.

Cost:

An early registration discount is available to AIO members and non-members whose registration forms are postmarked before September 1, 1990. After that date, the cost is considerably more. (Early registration allows the Convention Committee to plan for meals and other events where attendance must be known in advance.) Rates for daily registration and for spouses are listed on the registration form. All fees are refundable minus a $24.00 service charge if cancelled prior to Sept 30. After that date, registration fees are not refundable. Hotel rooms and charges are NOT included with the registration fees for the convention and are to be handled directly with the hotel.

Meals:

All meals, except breakfasts and Tuesday dinner, are included in the registration fee, beginning with Sunday evening and ending with the concluding banquet. Tuesday evening dinner is available at the hotel restaurant or in the many restaurants in the Hartford Civic Center near to the hotel. Anyone with restricted diet requirements should inform the registration desk when registering.

Transportation:

Bus transportation will be provided from the Sheraton Hotel to all events not held at the hotel except the Bushnell Park Carousel reception on Saturday. Bus boarding will take place at the front entrance of the hotel.

Arriving at the Convention:

American Airlines has been selected as the Official Convention Airline. You may phone toll-free 1-800-433-1790 and ask for STAR FILE #S-0100P and reserve your flight with substantial savings over the regular ticket price. After arriving at the Hartford-Springfield airport, call Connecticut Limo Service, which operates vans that run about every hour and a half to the Sheraton. They may be called for further schedule information at (203) 627-3210. In June, 1990, the cost was $8 per person. We understand that this service is NOT available on Saturdays. Taxi service is available and the cost is $21 as of June, 1990. You may wish to pool a cab and split the cost if you arrive in a group on Saturday.

Brochure:

Extra copies of the convention Brochure are available at the Registration Desk for $8 each. Please bring your copy with you!

Exhibits:

Exhibits are located in the Grand Ballroom West and in the Mark Twain and Nathan Hale Rooms near the Grand Ballroom. The times the exhibits are open are clearly marked in the convention schedule. We strictly request that our exhibitors be allowed to set up their displays and tear them down in privacy. Ample time will be available for all to meet and talk with our exhibitors, especially on Tuesday evening, which is Exhibitors’ Night!

Management:

AIO HARTFORD 90 is an official activity of the American Institute of Organbuilders. It has been organized in cooperation with the A.I.O. Convention Overview Chairman, Dennis Unks and the members of the A.I.O. Education Committee, John Gumpy, Chairman. Inquiries and further information may be obtained by writing to Alan D. McNeely, Convention Co-Chairman, 24 Jordan Cove Road, Waterford, CT 06385-3227 evenings (EST) (203) 447-9532.
Convention at a Glance

SATURDAY, October 6
8:00 Registration Desk open every day
9:00 Review Session for AIO Examination, Nathan Hale Room
12:00 Lunch on your own
1:00 AIO Examination, Mark Twain Room
1:30 Review Session continued
5:00 Wine and Cheese Reception
"An Equestrian Evening at the Bushnell Park Carousel"
7:30 Dinner on your own

SUNDAY, October 7
8:00 Exhibitors set up displays
Registration Desk open
9:00 AIO Board of Directors Meeting
Area Church Services on your own
12:00 Busses depart for optional tour ($5)
of Bushnell Memorial Hall organ and Travelogue
2:00 Exhibits open
3:30 LECTURE: "History of the American Classic Organ" Charles Callahan
5:30 Buffet Dinner at hotel
6:30 Exhibits close for the day
7:00 Busses depart for Thomaston Opera House Theatre Organ Evening
11:00 Busses arrive at hotel

MONDAY, October 8
8:30 Opening of Convention and AIO Business Meeting
9:30 Coffee Break, Exhibits open
10:00 LECTURE: "Long Run Concerns: How to Make Long and Complicated Tracker Runs Function Like Short and Simple Ones," Matthew Bellochio
12:00 Lunch at hotel
1:00 LECTURE: "Profitable Organ Building," Randy Wagner
2:30 Coffee Break
3:00 LECTURE: "Acoustical Space," Wade Bray
4:30 Exhibits close for the day
5:15 Busses leave for Trinity College
6:00 Dinner at Trinity College
7:30 LECTURE DEMONSTRATION:
Trinity College Chapel Organ
John Rose and Fred Mitchell
9:00 Reception at Trinity College
10:00 Busses return to hotel

TUESDAY, October 9
8:00 Registration Desk open
8:30 LECTURE: "Austin Organ Company and the Industrial Revolution," Jack Bethards
9:30 Board Busses
Group 1 to Austin Organs, Inc.
Group 2 to Asylum Hill churches
11:30 Group 1 board busses to Asylum Hill Congregational Church
12:00 Lunch at Asylum Hill Congregational Church, Drew Hall
1:00 Group 1 Asylum Hill churches tour
Group 2 busses for Austin Organs, Inc.
3:00 Group 2 board busses to AEtna
3:15 Group 1 walk to AEtna Insurance Co.
3:30 LECTURE: "Insurance for Organbuilders," Richard Broome
5:00 DEMONSTRATION: The Austin Quadruplex Player, including Lynwood Farnham rolls
6:00 Busses return to hotel
6:30 Dinner on your own
Exhibitors' night
9:00 Exhibit area cash bar open
12:00 Exhibits close

WEDNESDAY, October 10
8:00 AIO Business Meeting
Registration Desk open
9:30 Coffee Break
10:00 LECTURE: "Pipe Organ Temperaments," Herman Greunke
11:30 Exhibits closed
11:45 Lunch at hotel
1:00 LECTURE: "Electro-Pneumatic Action and the Slider Chest," Lyle Blackinton
2:30 Coffee Break
3:00 LECTURE: "How's the Piano?"
Onsite Organ Restoration in Mexico," Susan Tattershall
6:00 Social Hour, cash bar open
7:00 Banquet, Awards and Entertainment

THURSDAY, October 11:
Optional tour of Historic Organs in New Haven, Connecticut
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Pipe organ materials
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- Manual Key Actions
- Sforzando Action
- Manual Pistons
- Swell Motor
- Microprocessor Combination Action
- Swell Shades
- Music Rack Light
- Swell Shoes
- Pedal Key Boards
- Tracker Touch
- Pedal Key Sharps
- Keyboards
- Zimbelslern

Lists cannot tell the whole story about these improvements nor can photographs. Visit our display area to handle these items, talk about them, see them in use.

YOU WILL BE GLAD YOU DID
Dear Friends:

On behalf of the State of Connecticut, it is my pleasure to welcome all who are attending the National Convention of the American Institute of Organbuilders in Hartford.

Hartford has been a famous organbuilding center since the founding of the Austin Organ Company in 1893, so we are particularly proud to host this meeting in our capital city. The design and building of pipe organs is a fine art and craft—one which is little known by the public at large, but one which certainly contributes to the majesty of many ceremonies that touch our lives.

Your convention provides an excellent opportunity for you to meet in fellowship, to exchange information and ideas, and to learn from each other and experts in the field.

I am sure that the National Convention will be most informative and productive, as well as enjoyable for all. I hope that you have some time to visit our excellent cultural, educational and recreational attractions and that you will leave with many fond memories of your visit.

With best wishes,

Sincerely,

WILLIAM A. O'NEILL
Governor
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- #65703 1/8" x 1" x 50'
- #65704 1/8" x 1 1/2" x 50'
- #65705 1/8" x 1 1/2" x 50'
- #65706 1/8" x 3/4" x 50'

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Convention Schedule

SATURDAY, October 6

8:00   Registration Desk open every day
9:00   Review Session for AIO Examination, Nathan Hale Room
12:00  Lunch on your own
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8:00   Exhibitors set up displays
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9:00   AIO Board of Directors Meeting
        Area Church Services on your own
12:00  Busses depart for optional tour ($5) of Bushnell Memorial Hall organ and
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2:00   Exhibits open
4:00   LECTURE: "History of the American Classic Organ 1920-1960,"
        Dr. Charles Callahan
5:30   Buffet Dinner at hotel
6:30   Exhibits close for the day
7:00   Busses depart for Thomaston Opera House Theatre Organ Evening
9:45   Busses leave Thomaston for hotel
11:00  Busses arrive at hotel
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San Diego, CA 92128

NEW CENTURY PRODUCTS
Convention Schedule

MONDAY, October 8

8:30 Opening of Convention and AIO Business Meeting
9:30 Coffee Break
   Exhibits open
10:00 LECTURE: "Long Run Concerns: How to Make Long and Complicated Tracker Runs Function Like Short and Simple Ones,"
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1:00 Group 1 Asylum Hill churches tour
   Group 2 board busses for Austin Organs, Inc. factory tour
3:00 Group 2 board busses to AEtna Insurance Co. Auditorium
3:15 Group 1 walk to AEtna Insurance Co. Auditorium
3:30 LECTURE: "Insurance for Organbuilders," Richard Broome
5:00 DEMONSTRATION: The Austin Quadruplex Player
       Lynwood Farnham rolls featured
6:30 Dinner on your own
   EXHIBITORS NIGHT
9:00 Exhibit area cash bar open
12:00 Exhibits close

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475 Riverside Drive, Suite 1260
New York NY 10115
Bushnell Memorial Hall, Hartford's municipal auditorium, has two surprises. Outside, the architecture is colonial, while inside is radiant, newly restored Art Deco. The second surprise is a completely restored (1989) Austin organ.

During the organ restoration project, every pipe was returned to the Austin factory for refurbishing, all actions were rebuilt or replaced, a new Great chest was installed, and all pipes reregulated.

<table>
<thead>
<tr>
<th>GREAT</th>
<th>CHOIR</th>
<th>PEDAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Double Diapason</td>
<td>16 Contra Gamba</td>
<td>32 Resultant Bass</td>
</tr>
<tr>
<td>8 First Diapason</td>
<td>8 English Diapason</td>
<td>32 Contra Bourdon</td>
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<tr>
<td>8 Second Diapason</td>
<td>8 Viola da Gamba</td>
<td>16 First Diapason</td>
</tr>
<tr>
<td>8 Viola</td>
<td>8 Dulciana</td>
<td>16 Second Diapason (G1)</td>
</tr>
<tr>
<td>8 Claribel Flute</td>
<td>8 Unda Maris</td>
<td>16 Violine</td>
</tr>
<tr>
<td>4 First Octave</td>
<td>8 Concert Flute</td>
<td>16 Muted Viole (G1 ext.)</td>
</tr>
<tr>
<td>Enclosed</td>
<td>8 Flute Celeste</td>
<td>16 Contra Gamba (Ch)</td>
</tr>
<tr>
<td>8 Third Diapason</td>
<td>8 Quintadena</td>
<td>16 Bourdon</td>
</tr>
<tr>
<td>8 Gemshorn</td>
<td>4 Dulciana</td>
<td>16 Lieblich Bourdon (Sw)</td>
</tr>
<tr>
<td>8 Harmonic Flute</td>
<td>4 Unda Maris</td>
<td>10-2/3 Quint (ext.)</td>
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<tr>
<td>8 Doppelf Flute</td>
<td>4 Rohr Flute</td>
<td>8 Octave (ext.)</td>
</tr>
<tr>
<td>4 Second Octave</td>
<td>2-2/3 Twelfth</td>
<td>8 Violoncello (ext.)</td>
</tr>
<tr>
<td>4 Harmonic Flute</td>
<td>2 Dulcet</td>
<td>8 Gamba Celeste (So)</td>
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<tr>
<td>2-2/3 Twelfth</td>
<td>2 Piccolo</td>
<td>8 Dolce (G1)</td>
</tr>
<tr>
<td>II Fifteenth</td>
<td>1-1/3 Nineteenth</td>
<td>8 Gedeckt (ext.)</td>
</tr>
<tr>
<td>III Mixture</td>
<td>1 Octave Dulciana</td>
<td>5-1/3 Quint (ext.)</td>
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<tr>
<td>16 Double Trumpet</td>
<td>16 Basson</td>
<td>4 Super Octave (ext.)</td>
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<tr>
<td>8 Trumpet</td>
<td>8 Corno d'Amour</td>
<td>32 Contra Bombarde</td>
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<tr>
<td>4 Clarion</td>
<td>8 Cor Anglais</td>
<td>16 Bombarde (ext.)</td>
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<tr>
<td>Harp (Ch)</td>
<td>8 Clarinet</td>
<td>16 Tuba (So)</td>
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<tr>
<td>Celesta (Ch)</td>
<td>Tremolo</td>
<td>16 Posaune (Sw)</td>
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<tr>
<td>Chimes (Ch)</td>
<td>Harp</td>
<td>16 Basson (Ch)</td>
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<tr>
<td>Tuba Mirabilis on Great</td>
<td>Celesta</td>
<td>8 Tromba (ext.)</td>
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<td></td>
<td>Snare Drum Roll</td>
<td>8 Tuba (So)</td>
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<td></td>
<td>Snare Drum Strike</td>
<td>4 Clarion (ext.)</td>
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<td>Triangle</td>
<td>Chimes</td>
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<td></td>
<td>Tuba Mirabilis on Choir</td>
<td>Bass Drum Strike</td>
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<tr>
<td>SWELL</td>
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<td>Bass Drum Tympani</td>
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<tr>
<td>16 Bourdon</td>
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<td>Tuba Mirabilis on Pedal</td>
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<tr>
<td>8 Open Diapason</td>
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<td>By Toe Studs:</td>
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<tr>
<td>8 Violin Diapason</td>
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<td>Chinese Gong</td>
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<tr>
<td>8 Violin</td>
<td></td>
<td>Cymbal</td>
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<tr>
<td>8 Viole d'Amour</td>
<td></td>
<td>Triangle</td>
</tr>
<tr>
<td>8 Flauto Dolce</td>
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<td>8 Stopped Diapason</td>
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<td>4 Flute Traverso</td>
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<td>4 Clarion</td>
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<td>Tremolo</td>
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<td>Harp (Ch)</td>
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<tr>
<td>Chimes (Ch)</td>
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TWIN CITIES 1991

THE RADISSON HOTEL SOUTH
OCTOBER 6 - 9, 1991

John Obermeyer - Chairman
Lance Johnson - Treasurer
John Panning - Brochure
Jon Thieszen - Advertising

David Settle - Transportation
Brian Sullivan - Transportation
David Engen - Registrar
Lynn Dobson - Program
The basis of the organ is a 10 rank, 1926 Marr & Colton originally installed in the Palace Theatre in Danbury, CT. The original console was replaced by a Kimball console originally in the Warner Theatre, Philadelphia. The organ was rebuilt and installed by members of the Connecticut Valley Theatre Organ Society, Inc. When a 1926 Marr & Colton church organ was donated, the organ was enlarged with three new ranks and two additional ranks and substitutions of voiced ranks from the church organ.

Revoicing of the remaining reeds and the Open Diapason turned the brass organ into a more cohesive musical instrument specifically suited for concert presentations. A Peterson solid-state relay replaced the original electro-pneumatic relay, and was added in three stages. A complete console rebuild included a convertible, programmable combination memory controlled by 52 pistons. This versatile system allows any piston to control any selected group of stop tabs from one stop to a full general.

In 1984, just after celebrating its 100th year, the Opera House was closed due to numerous fire code violations which required considerable modifications to the structure. Structural changes also required relocating the blower and modifications to the solid-state relay.

**MAIN CHAMBER (LEFT)**
- 16' Diaphonic Diapason 85
- 8' English Horn 61
- 8' Tibia Clausa (M)(tg) 79
- 8' Violin 85
- 4' Violin Celeste 61
- 8' Oboe Horn 61
- 8' Flute 65
- 8' Clarinet 61
- 8' Vox Humana (M) 61
- Harp 49 (Peterson electronic)
- Chrysoglot 49

**SOLO CHAMBER (RIGHT)**
- 16' Tibia Clausa (S) 97
- 16' Tuba Horn 73
- 16' Gamba 85
- 4' Gamba Celeste 61
- 8' Krumet 61
- 8' Vox Humana (S) 61
- Glockenspiel 37
- Xylophone 37
- Chimes 25
- 16' Grand Piano 85

**PEDAL**
- 32' Diaphonic Diap. Result.
- 16' Ophicleide 61
- 16' Diaphonic Diapason 16
- Tibia Clausa (S) 16
- Violone (Gamba) 8
- English Horn 8
- Tuba Horn 8
- Oboe Horn 8
- Octave 8
- Tibia Clausa (S) 8
- Cello (Violina) 8
- Flute 8
- Piano 8
- Bass Drum
- Crash Cym. (Ride-REIT)
- Crash Cym. (Marching)
- Cymbal
- Pedal Octave
- Accompaniment
- Great
- Cathedral Chimes

**ACCOMPANIMENT:**
- 8' English Horn
- 8' Tuba Horn
- 8' Open Diapason
- 8' Tibia Clausa (M)
- 8' Oboe Horn
- 8' Gamba Celeste II
- 8' Violin
- 8' Violin Celeste
- 8' Clarinet
- 8' Krumet
- 8' Flute
- 8' Vox Humana (M)
- 4' Octave
- 4' Piccolo (M)
- 4' Violin
- 4' Violin Celeste
- 4' Gamba Celeste
- 4' Flute
- 4' Vox Humana (M)

**GREAT:**
- 16' English Horn
- 16' Ophicleide
- 16' Diaphonic Diapason
- 16' Tibia Clausa (Select)
- 16' Krumet
- 16' Contra Viola III
- 16' Vox Humana (Select)
- 8' English Horn
- 8' Tuba Horn
- 8' Open Diapason
- 8' Tibia Clausa (Select)
- 8' Oboe Horn
- 8' Gamba Celeste II
- 8' Violin
- 8' Violin Celeste
- 8' Clarinet
- 8' Krumet
- 8' Flute
- 8' Vox Humana (Select)
- 2-2/3' Tibia Twelfth (Select)
- 2' Octave
- 4' Piccolo (Select)
- 4' Gamba
- 4' Violin
- 4' Violin Celeste
- 4' Clarinet
- 4' Krumet
- 4' Flute
- 8' Vox Humana (Select)
- 5-1/3' Tibia Quint (S)
- 4' Octave
- 4' Piccolo (Select)
- 4' Gamba
- 2-2/3' Tibia Twelfth (Select)
- 2-2/3' Flute Nazard
- 2' Piccolo (Select)
- 2' Fifteenth (Flute)
- 8' Piano (Grand)
- Xylophone
- Glockenspiel
- Chrysoglot
- 16' Great Sub Octave
- 4' Great Octave

**ACCOMPANIMENT SECOND TOUCH:**
- 8' English Horn
- 8' Tuba Horn
- 8' Clarinet
- 4' Piccolo
- 8' Piano
- 8' Accompaniment
- Traps
- 8' Solo
- 4' Great Octave

**GREAT SECOND TOUCH:**
- 16' English Horn
- 8' English Horn
- 8' Solo
- 4' Solo

**SPECIAL CONTROLS:**
- Main Tibia & Vox On Great
- Solo Tibia & Vox On Great
- Main Tibia & Vox On Solo
- Solo Tibia & Vox On Solo
- Gamba Celeste Off
- Xylophone Re-It
- Traps Re-It
- Piano Sustain On Pedals
- Great Sostenuto
- (Also Master Swell On)

**MEMORY CONTROLS:**
- SET
- RANGE (Sets which stops each piston controls)
- LEVEL Select 1-4 (16 maximum)

**TREMULANTS:**
- MAIN
- STRINGS
- VOX HUMANAS
- TUBA
- TIBIAS
- SOLO (Krumet)
For over 75 years a leader in the organ world.

The Diapason celebrated its 75th birthday in December, 1964, and continues its mission to report the news of people, events, and instruments in the organ world. Monthly features expand a primary coverage in organ to encompass the varied interests of church musicians, harpsichordists, and carillonneurs. Each month, The Diapason brings valuable information to its readers:

- New organ installations, rebuilds, and restorations
- Appointments, competitions, recitals
- Reports on conferences, conventions, festivals
- Reviews of new organ, choral, and handbell music, books, and recordings
- Harpsichord and Carillon News
- Feature articles by noted contributors
- International calendar of events
- Extensive classified advertising section

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<td>4 Spillflöte</td>
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<td>8 Erzähler</td>
<td>2 Lieblich Prinzipal</td>
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<td>8 Bourdon</td>
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<td>8 Quintaten</td>
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<td>4 Flöte Harmonique</td>
<td>4 Regal (Austin)</td>
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<td>IV-V Fourniture</td>
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<td>4 Choral Bass</td>
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<td>4 Koppelflöte (Ch)</td>
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Director of Music: Rev. Zane W. Gordy

Holtkamp Organ, Opus 1704
1958

Maintained by A. Thompson-Allen Co.

<table>
<thead>
<tr>
<th>GREAT</th>
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<tr>
<td>16 Quintadena</td>
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<td>8 Trumpet</td>
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<td>8 Trompette en Chamade</td>
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<td>8 Trompette en Chamade</td>
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<td>8 Copula</td>
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<td>4 Rohrflöte</td>
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<td>2-2/3 Nazard</td>
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<td>16 Quintadena</td>
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<td>1-3/5 Tiere</td>
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<td>III Fourniture</td>
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<td>16 Dulzian</td>
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<td>8 Trompette en Chamade</td>
<td>8 Trumpet</td>
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<td>8 Trompette en Chamade</td>
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</table>
Q: What is the Multi-Level Capture System?

- the 8th level of the video game Suziman (the one with the two cats, the bananas and the submarine)
- the best way to remove crows from your condo
- the newest version of 3-D chess
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A: d.

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Q: How does it work?
A: The Performance Recorder Interface converts key, stop and coupler signals to a standard video signal. Recordings are made on a standard home or industrial video recorder.

Q: Is it easy to connect?
A: We offer two types of connections.
For organs currently fitted with an SSL Multiplex system, simply connect the Interface in-line anywhere in the coaxial cable connecting the console and the organ, or in a remote location by simply adding cable.
Other organs take the Universal type, requiring one connection for each key, stop, expression shade stage and coupler wire connecting the console to the organ (if the couplers are not located in the console.) The Universal interface connections are bidirectional; normal console/organ connections don't have to be altered.

Q: What about flexibility?
A: Playback flexibility depends on the features built into the VCR used to make the recordings. Most machines allow note-by-note playback, fast scanning and freezing on a single note or chord. Advanced machines may also allow "jogging", playing a short section at any speed in either direction.

Q: Is there a separate audio track?
A: It's always there, with our Audio Interface. Users can make an audio recording of the performance, or add comments, evaluations, or other notations easily. A microphone, speaker, separate volume control and input jack are standard.

Q: What about MIDI?
A: We've made provisions in the Performance Recorder to couple the console to a MIDI controller or instruments. We're currently working on the new SSL bidirectional MIDI Interface and it will be available in the near future. Full MIDI flexibility will be just a switch away.

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A: Just ask your organ builder or SSL.

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Cathedral of Saint Joseph

The Cathedral building, designed by Eggers & Higgins of New York City, seats 1,750. Its ceiling is 108 ft. above the floor. Outstanding examples of contemporary ecclesiastical art are found here, in stained glass, mosaics and sculpture. The 80 ft. high ceramic mural behind the altar is the largest in the world.

Three Austin organs were built in 1961 for the Cathedral: Gallery organ, 118 ranks; Blessed Sacrament Chapel, 19 ranks; Lower Cathedral, 8 ranks. In the Gallery organ, the Great, Positiv and Pedal organs are all placed on the large shelf across the back of the 130-seat gallery. Swell, Choir and Solo organs are in sidewalk chambers.

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SANCTUARY PITCH

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Jacques Stinkens
Orgelpijpenmakers bv
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3701 Ve Zeist—Holland
Tel. 03404-13827
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The auditorium is located in the Home Office building of AEtna Life and Casualty, reported to be the largest colonial-style building in the world.

Austin Organ Company's Opus 1717, built in 1931, features a rare Austin Quadruplex roll player.

Early in 1930, Lynwood Farnham was in Hartford to play a recital on the newly completed organ at Horace Bushnell Auditorium. While here, Farnham recorded 6 rolls on the Quadruplex system. Later that same year, Farnham died, leaving the rolls as a precious memory of his art.

No regular maintenance; player rebuilt by Allen Miller, recent work by Bon Smith and Alex Belair

---

**THE AUSTIN QUADRUPLEX PLAYER**

John T. Austin, founder of the Austin Organ Company, turned his attention in 1923 to the development of a revolutionary player mechanism for pipe organs that would automatically record and reproduce the playing of an organism with complete fidelity. Frederic B. Austin, formerly Chairman of the Board of Austin Organs, Inc., collaborated with his father and his uncle in the development of this unique mechanism.

Following the Great Depression, the market for such players evaporated and the project was discontinued. Many master rolls were lost in a warehouse fire but, fortunately the precious Farnham rolls were intact. The perforating mechanism, even more complex than the player, still exists in storage, as does a one-of-a-kind multi-roll player.

The first Quadruplex Player was built in 1926. Only fourteen players were installed and today there are six known to exist in the world, four of which are still in the Hartford area. AEtna's Quadruplex installation is the last of the players in an original, unaltered installation.

The Quadruplex player featured a unique five-section tracker bar. Its sections could expand and contract automatically to compensate for the effects of humidity on the 21" wide rolls.
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Trinity College Chapel

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Hartford, CT

College Organist: John Rose

Austin Organ, Opus 2536

Trinity College's beautiful English Gothic chapel was built in 1932, designed by Froehmann, Robb and Little, architects, the same firm that designed Washington Cathedral. Intricate and often humorous carvings on the pew ends are by Gregory Wiggins completed over a 20-year period.

The 1971 Austin Organ was designed in collaboration with Clarence Watters, college organist for many years. The en-chamade Trompette de Jubilé (Austin) and the organ casework are later additions. The designs for the casework, new entryway and carved sedilia were by Charles L. Nazarian, class of 1973. Unique features of the console are its "Ventil" system and, in French tradition, the Great is the bottom manual. Also visit the crypt, which houses Reiger organ, opus 1.

Maintained by David G. Johnston

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Convention Participants

Charles Callahan
"History of the American Classic organ 1920-1960"

Charles Callahan is a native of Cambridge, Massachusetts. Author of the history, *The American Classic Organ*, recently published by the Organ Historical Society, he is equally distinguished as a composer, organist and educator. His organ and choral works have been performed throughout the world, with notable premieres at London's Westminster Abbey and Washington's Kennedy Center. Dr. Callahan is a member of the faculty of Rollins College, Winter Park, Florida.

Allen Miller
*Thomaston Opera House*

Allen Miller, a graduate of Trinity College in Hartford, began his training with AEolian-Skinner and was with Austin Organs, Inc., for 15 years. As plant manager and assistant vice president, he was involved in component and console design, organ layout, purchasing, and plant operations. His design contributions included solid-state switching, an electric swell engine, a universal tremulant winding system, and the use of synthetic materials. Allen Miller Associates, established in 1977, produces electronic pedal extensions, digital room-ambience enhancement systems and custom solid-state equipment. Allen's work on theatre installations includes Shea's Buffalo's highly acclaimed Wurlitzer. Allen restored AEtna's Austin Premier Quadruplex roll Player player in 1970. When not in an organ chamber, Allen can be found at his own theatre organ, collecting antique mechanical musical instruments, computing, designing electronic circuitry, or recording digital audio.

Matthew-Michael Bellocchio
"Complex Tracker Runs"

Matthew-Michael Bellocchio is a charter member of the AIO and earned the Master Organbuilder Certificate in 1979. He is a native of Brooklyn, NY, where he studied architecture at Pratt Institute and received a B.A. degree from St. Francis College. Active in both church music and historic preservation, he has served as an officer of the Greater NYC Chapter of the OHS and the Southeastern Massachusetts Chapter of the AGO. Since 1975, he has been Vice President of the Roche Organ Company, Inc., in Taunton, MA. He designs the firm's new mechanical action organs and its restorations of historic trackers, including the earliest extant church organs by E. & G. G. Hook and J. W. Steere.
Convention Participants

Randall E. Wagner
"Profitable Organbuilding"

Randall E. Wagner is vice president of Organ Supply Industries, Inc., of Erie, PA. A graduate of Ohio Wesleyan University, he began his organbuilding career with H. D. Blanchard Pipe Organs. In 1966, he joined the Holtkamp Organ Company and in 1969, became design engineer for Reisner, Inc., leaving there in 1976 to join Organ Supply. He is a founding member of the Organ Historical Society and also holds memberships in the American Theatre Organ Society, the Organ Club (London) and the AGO. Mr. Wagner is a charter member of the AIO and has served as its treasurer, vice president and president. He holds the Master Organbuilder Certificate from the AIO and is chairman of its Exam Committees.

Wade Bray
"Acoustical Space"

Wade Bray is a Senior Consultant with experience in both architectural and electro-acoustics. Bray joined Jaffe Acoustics, Inc., in 1984, where he is director of research and development. He coordinates activities in Jaffe's acoustic laboratory and works to bring advances in acoustics into use by the firm's consultants. He also designs sophisticated sound systems for performance halls, and consults on pipe organ and church acoustics. His research efforts have helped improve the state-of-the-art with regard to electronic variable acoustics. Mr. Bray earned a B.A. degree in English (1967) at Arizona State University and a B.S. degree in Physics (1971). He also produces and engineers organ recordings and has been involved in the installation and maintenance of several important classical and theatre pipe organs. He also holds memberships in the Acoustical Society of America, Audio Engineering Society, American Guild of Organists, and American Theatre Organ Society.

John Rose
Trinity College Demonstration

John Rose has performed for national and regional conventions of the American Guild of Organists and the Organ Historical Society. He is College Organist and Artist-in-Residence at Trinity College in Hartford, CT. For a number of years he held the honorary title of Senior Organist at the Cathedral of St. Joseph in Hartford. Before joining the Trinity College faculty in 1977, he served for nine years as Organist and Music Director at the Cathedral of the Sacred Heart in Newark, NJ, where he also taught at Rutgers University. He has performed in forty of the United States and has made a number of foreign tours. Last season, he performed eight times with the Hartford Symphony Orchestra and was the inaugural orchestral soloist on the rebuilt Austin organ at the city's Bushnell Memorial Hall.
Convention Participants

Frederick L. Mitchell

*Trinity College Demonstration*

Fred Mitchell is Senior Vice President at Austin Organs, Inc. A native of Portland, Maine, he was graduated from the University of Southern Maine with emphasis in science and music. He was a protege of Burton Witham, a Maine organbuilder who was also curator of the City Hall organ and an Austin representative. He studied organ with John E. Fay, Municipal Organist, and attended Westminster Choir College, studying with Alexander McCurdy and John Finley Williamson, founder of Westminster Choir College. He joined Austin Organs, Inc., in 1951 and has been in design since 1953. He has been responsible for the layout of many of Austin's largest instruments, including St. Joseph Cathedral and Trinity College in Hartford.

Jack Bethards

*"The Austin Story"*

Jack M. Bethards is president and tonal director of Schoenstein & Co., Organbuilders, established 1877 in San Francisco. He has been a professional musician and is currently active in the A.G.O. at the local and national levels. He is president of the Associated Pipe Organ Builders of America and member of the AIO, the International Society of Organbuilders, the Organ Historical Society, and the Association Aristide Cavaillé-Coll. In his thirty-three years of pipe organ work and research, Jack has been a frequent lecturer and contributor of articles to professional journals. A major thrust of his study, including work abroad, has been romantic organ building of France, England and America. He recently directed the renovation of the Mormon Tabernacle organ in Salt Lake City, Utah.

Richard D. Broome

*"Insurance for Organbuilders"*

Richard Broome is currently Counsel, Aetna Life and Casualty, Government Relations. He is responsible for Aetna’s legislative and regulatory activities in 11 states located in the New England, Mid-Atlantic and Southeast regions. He previously worked for Connecticut Senate Majority Leader Cornelius O’Leary (D) coordinating constituent and legislative services. He also worked for the Connecticut Business and Industry Association, responsible for legislative activities and environmental and public utility regulatory issues. He has also served on task forces to establish State of Connecticut policies on AIDS and air and water quality standards. A 1980 graduate of Bates College, he earned his law degree at Connecticut School of Law, 1983.
Convention Participants

Herman C. Greunke
"Pipe Organ Temperaments"

After studying organ with Heinrich Fleischer and Gihlip Gehring at Valparaiso University, Herman Greunke learned organbuilding with Charles Fisk in Methuen and Gloucester, Massachusetts. Later he became a partner with John Brombaugh & Co. in Middletown, Ohio. In 1970 he was appointed Organ and Harpsichord technician at Oberlin College Conservatory of Music, where he has served since. His article, The Structural Stability of Lead-Tin Alloys used in Organ-Pipes was published in The Organ Yearbook 1984, and subsequently cited in The New Grove Organ. His interests in historic tuning and temperaments range from mathematical theory to practical application on organs and harpsichords in the present day.

Lyle Blackinton
"Electro-pneumatic Slider Chests"

Lyle Blackinton has been a pipe organ builder for thirty-five years. He is president of L. W. Blackinton and Associates, Inc., located in El Cajon, California, where the firm builds both mechanical and electro-pneumatic instruments and maintains approximately one hundred organs in Southern California. Lyle has been a member of the AIO since 1976. He has served on the Education Committee and is currently a member of the Board of Directors.

Susan Tattershall
"How's the Piano?" Lecture on Mexican Organs

Susan Tattershall began her organ building apprenticeship with Gabriel Kney in 1971. In 1973, she began a six-year sojourn in Europe, working with Georges Lhote, Jurgen Ahrend, Gabriel Blancafort, Bartolomeo Formentelli, and Rieger Orgelbau. Since returning to the U.S., she has restored a Swiss organ located in Texas, seven organs in the state of Tlaxcala, Mexico, translated a 400,000 word Spanish treatise on organbuilding, built a Regal and a knee-portative, had two children, and learned to make a great batch of tamales. She resides in Rhinebeck, NY.
Around & About Hartford

A Walking Tour of Downtown Hartford

DOWNTOWN HARTFORD

MAP KEY
Circled numbers correspond to sites described in THE WALK, a tour that starts below.

1. Country Inns of New England
2. Hartford Holiday Inn
3. Hartford Super 8
4. J. R. Morgan Hotel
5. Ramada Hotel
6. East Hartford
7. Ramada Inn
8. Capital Hill
9. Sheraton-Hartford
10. Summit Hotel
11. Susse Chalet

PHOENIX MUTUAL LIFE INSURANCE CO.
Designed by the firm of Harrison and Abramowitz, whose work includes the United Nations, it is the world's first two-sided building.

1. Leaving the South end of Constitution Plaza via the brick path, you'll come to THE TRAVELERS COMPANIES TOWER, one of Hartford's most recognizable landmarks. The insurance company completely financed the construction of the Plaza and one of its office buildings stands on its South end. The Travelers is also the site where Sanford's Tavern once stood — the scene of the famous Charter Oak incident in 1667. To ensure the independence of Connecticut from sinister English King James II, Captain Joseph Wadsworth took the charter from Sir Edmund Andros during a meeting at the tavern and hid it in the hollow limb of an old oak tree. Andros was able to take over the state for two years, but never the Charter. The original document can be seen at the State Library.

2. The oak tree succumbed to a storm in 1856, but its grandchild proudly stands on the grounds of Center Church.

3. A WOODLAND ATHEUM, the first public art museum in America, is a treat for all the senses. One hundred and sixty-five permanent and visiting exhibits acquaint you with fine art, period costumes, firearms, furniture, and a tackle gallery begs "Please Touch."

4. Nestled between the Ateneum and the Municipal Building is BURLINGTON. This picturesque retreat from city bustle features "STEIGERSAURUS," a sculpture designed by Alexander Calder in 1971.

5. Enter the Municipal Building from Burr Mall. Walk up a magnificent staircase, and find yourself standing on the frosted glass ceiling of the bottom level. The ornate structure has been the seat of city government since 1914.

6. Although the HARTFORD TIMES newspaper closed its doors in 1976, the outside of the 160-year old structure still bears plaques describing historical events that took place there. The facade was brought to Hartford from an old church in New York City.

7. The HARTFORD PUBLIC LIBRARY spans a highway and is a tribute to 19th-century architecture. A building designed by Frank L. Bizzell in 1943, the library has been a focal point for residents and visitors since its inception.

8. Built in 1872, THE BUTLER-MCCOOK HOMESTEAD displays an extensive collection of 18th and 19th century Americanica. First owned by Dr. Daniel Butler, it was deeded in 1913 by its last inhabitant, Frances Butler Cook, to its present occupants, the Antiquarian and Landmarks Society, Inc. of Connecticut.

9. At the rear of the house is a garden that overlooks the ARMBULL HOUSE, one of Hartford's oldest homes. A former merchant, composer, and teacher, set up a grammar school on the premises with wife #6. Today it houses the Connecticut Historical Society.

10. BUSHNELL TOWER, a residential complex, was built in 1960 and designed by I.M. Pei.

11. Mirrored in the gold windows of an adjacent office building, is the white steeple of CENTER CHURCH, whose yard was the site of Connecticut's ratification of the U.S. Constitution in 1788. Its first pastor, Rev. Thomas Hooker, is thought to be buried in a corner of the present church, which has stood since 1607.

12. THE ANCIENT BURYING GROUND, Hartford's first public cemetery, is the final resting place of some of the city's notable early citizens. Be sure to read the grave markers, some of which date back to 1640.

13. On LEWIS STREET, modern edifices coexist with buildings dating from the mid-1800s. Homes of wealthy 19th-century city dwellers have been converted to offices and restaurants.

14. A registered national landmark, the 37-acre BUSHNELL PARK was the first land in the U.S. taken by eminent domain for park purposes. Created in 1853 by the firm of Frederick Law Olmsted, a Hartford resident who designed New York City's Central Park, it contains over 100 species of trees. It is also the site of the PUMPKIN ART GALLERY. As rising over Trinity Street, which bisects the park, is the SOLDIERS AND SAILORS MEMORIAL ARCH, a brownstone monument to the 4,000 Hartford soldiers who served in the Civil War.

15. The park is also the home of the BUSHNELL PARK CAROUSEL, one of the last remaining carousels in existence — and only 254 ride per day.

16. BUSHNELL MEMORIAL HALL, at the corner of Trinity and Capitol Avenue, is a 2,816-seat auditorium that was given to Hartford by descendants of the Rev. Dr. Horace Bushnell. A wonderful example of 1930s art deco, the Bushnell was acoustically renovated in 1965, making it one of the world's finest facilities for theater and music.

17. THE STATE LIBRARY, SUPREME COURT and BALDWIN MUSEUM OF CONNECTICUT HISTORY are on Capitol Avenue across from the State Capitol. Used by state legislators, the library is noted for its collection of historical documents, paintings and exhibits dating back to 1636, including the Royal Oak Charter and the Colt company's firearm collection.

18. THE STATE CAPITOL, seat of the state legislature and the office of the Governor, celebrated its 100th birthday in 1976. Designed by Richard M. Upjohn, the gold dome structure and the new LEGISLATIVE OFFICE BUILDING, contain historical murals, statues, flags, stools and furnishings that can be seen on daily guided tours.

19. Down the hill behind the State Capitol is Bushnell Park's 30-foot CORNING FOUNTAIN, one of the few memorials in the U.S. espousing the bravery and heritage of the American Indian.

20. Crossing Asylum Street, you'll find UNION STATION, the hub of the downtown business district and a hub of the nation's transportation network, with a fleet of shops and restaurants anchored by a recently renovated century-old train and bus station.

21. ST. PATRICK'S-ANTHONY CHURCH is the home of the state's first Roman Catholic parish. The interior of the 19th-century brownstone building was completely restored in 1988.

22. The largest complex in the downtown business district is the HARTFORD CIVIC CENTER, which includes the 70,000-square foot of exhibition and assembly space, an enclosed shopping mall, a hotel, and a 16,500-seat Veterans Memorial Coliseum which is home to the NHL's Hartford Whalers.
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Sheraton-Hartford Hotel - Hartford, Connecticut

AOI EXHIBIT TIMES

<table>
<thead>
<tr>
<th>Day</th>
<th>October</th>
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