## Clem Labine's RADITONAL BUILDING The Professional's Source For Historical Products

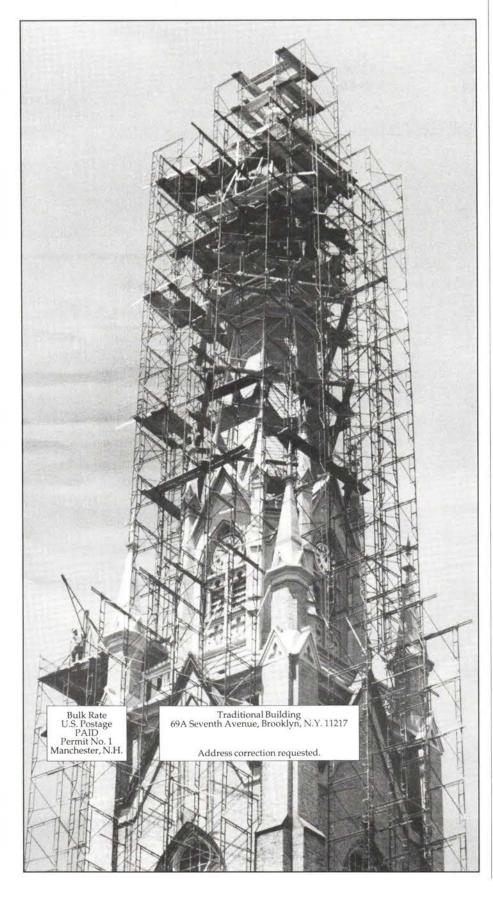
JANUARY/FEBRUARY 1993 VOL. 6 NO. 1 \$3.0

## **Design & Project Management Software**Page 38

\* SPECIAL FEATURE \*
144 SUPPLIERS FOR
RESTORING RELIGIOUS

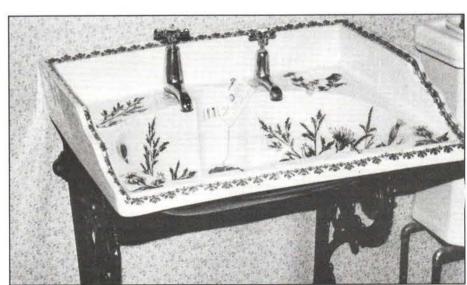
Page 4

**BUILDINGS** 

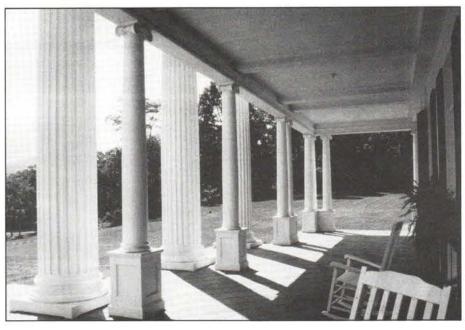




**EXTERIOR MOLDED ORNAMENT**Page 42



PERIOD PLUMBING FIXTURES
Page 68



**TURNINGS & PORCH PARTS**Page 56

## **CONTENTS**

## New: The Fax Connection! The Fastest Way To Get Product Information

When an immediate project requires that you get product information RIGHT AWAY, use the new FAX CONNECTION Form on pg. 73. It's the fastest way to get action!

• Companies noted with (•) have pre-filed their product literature in the TRADITIONAL BUILDING CATALOG for your convenience. Consult your office copy of our 1992 CATALOG for immediate access to this product data.

## **SPECIAL FEATURES**

Keligious Preservation	n (	Jľ	01	up	S	•	4
<b>Religious Projects Ro</b>	un	di	up	)			6
Religious Buildings Su	up	pl	ie	rs		9	10
Design Software							38
<b>Exterior Molded Orna</b>							42
Porch Parts							58
<b>Period Plumbing Fixtu</b>						(	68
FAX Connection							73
Product Literature .							74
Siegel's Scratchboard						•	75

## Division 1 PROFESSIONAL SERVICES



## SPECIAL REPORT: DESIGN SOFTWARE

Software SourceList	•	•	•	•	•	•	•	•	•	•	٠	•	.38,	4	(

## RELATED PRODUCT ADVERTISING

A-Systems Corp
APT-Association for Preservation Tech
Burden Architectural Renderings39
CADD Services39
Craftsman Book Company
MICS Computer Software39
National Park Service55
Preservation Institute for Building Craf
Restoration Congress/EGI41
Schooley Caldwell Assoc
SoftPlan Architectural Design Software39
Yazoo Mills

## Division 2 SITEWORK



## RELATED PRODUCT ADVERTISING

City Visions/Heritage	C	32	ır	d	e	n	I	1	O	ı	15	e	S		• ()			,	٠	٠		.4	11
Classic Casuals, Inc										٠						60					٠	. 4	41
Hennessy House			2							·	1											14	41
Lynch & Sons	40																	٠.,				. 4	42
Ruffner and Company																						.4	11

## Division 4 MASONRY & MOLDINGS



## SPECIAL REPORT: EXTERIOR ORNAMENT

## IN THE NEWS

Molded	<b>Ornament</b>	SourceList						43-46
Molded	Ornament	<b>Portfolio</b>		•		•		48-50

### RELATED PRODUCT ADVERTISING

Ahrens Chimney Technique55
Architectural Cast Stone, Inc
Architectural Facades Unlimited49
Architectural Fiberglass Corp
Architectural Products Mfg. Inc
Architectural Sculpture
Art Home Studios
Ball Consulting
Ball Consulting
Boston Valley Terra Cotta52
Brickvard 52
Cast Stone Institute
Ceratech
Custom Decorative Mouldings
Felber Ornamental Plastering Corp
Fischer & Jirouch Co
GFRC, Inc
• Haddonstone
Historical Arts & Casting
• Lyemance International
MJM Studios
Molded Fiber Glass51
Molloy and Associates53
Permalife, Inc
ProTech Systems42
Smooth-On
• W.F. Norman Metal Ceilings
Winston, M.B. Corp

## Division 5 METALS



## RELATED PRODUCT ADVERTISING

Conant Custom Brass Metalwork	 	5
Copper Coatings & Patinas	 	5
Monarch		
• Steptoe & Wife		5

## Division 6 WOOD & PLASTICS



## SPECIAL REPORT: PORCH PARTS

### IN THE NEWS

Porch	Parts	SourceList								60	0,	62	
		Dogtfalia										58	

## RELATED PRODUCT ADVERTISING

Abaroot Mfg. Co
• Abatron5
American Custom Millwork5
American Wood Column
Anthony Wood Products, Inc
Bendix Mouldings5
Brandt Sylvan 6
• Center Lumber Co
Chadsworth, Inc
• Chadsworth, Inc
Condon Company6
Craftsman Lumber
Cross Industries
Cumberland Woodcraft5
Enkeboll Designs 5
Epoxy Technology
Fagan Designs 6
B. Custom Woodturning 6
osef's Art Wood Turning
Kestrel Manufacturing 5
Kestrel Manufacturing
Mad River Woodworks
Mohamad Woodturning Corp
New England Woodturners
North Fields Restorations
Osborne Wood Products, Inc
PRG, Inc
Pagliagge Turning & Milling
Pagliacco Turning & Milling
Cobyyond Manufacturing
Schwerd Manufacturing
Shuttercraft5
Somerset Door & Column Co
States Industries
Vintage Woodworks
Vixen Hill Shutters
Wood Factory

## Division 8 DOORS & WINDOWS



## RELATED PRODUCT ADVERTISING

Cassidy Company											(*)		*	 66
Kayne & Son														 65
Peters & Son, Inc														 65
<ul> <li>Woodstone Compar</li> </ul>	nv	1												 65

## Division 9 FINISHES



## RELATED PRODUCT ADVERTISING

<ul> <li>A.A. Abbingdon Affiliates</li> </ul>											.66
Aristocast Originals									+		.66

• Bradbury & Bradbury	
Ewing Restoration	
Fe Fi Faux	
• Historic Floors of Oshkosh	į.
K-Wood & Logs, Inc	
Thibaut Wallcoverings	

## Division 10 SPECIALTIES



## SPECIAL REPORT: RELIGIOUS BUILDINGS

### IN THE NEWS

Religious Exteriors SourceList					10-14
<b>Religious Interiors SourceList</b>					16-22
<b>Religious Buildings Portfolio</b>					24-36
Leader Boxes					

### RELATED PRODUCT ADVERTISING

TALLET X I	ED I RODUCI AD VERTIDINO		
Agrell & Thor	pe	.17	
<ul> <li>Allied Wind</li> </ul>	ows	.15	
Antique Brass	Works	.29	
Architectural '	Fimber & Millwork	.19	
Ball & Ball C	ustom Lighting	.76	
Ball & Ball F	lardware	.76	
Beisser Glass	1	.19	
Big D Metalw	orks of Texas	37	
Bird Control T	achnologies	.33	
Bonac Control 1	echnologies	12	
Boyard Studio	Stained Class	23	
Brisk Waternr	oofing	35	
Brown's Stain	ed Glass Studio	19	
Brumder Orna	emental Iron Inc	31	
Burnham & La	Roche Associates	25	
CCN		.35	
Campbellsvill	e Industries	.27	
Canning, John	& Co	.25	
Cathedral Stor	ne Products	.17	
Cathedral Stor	neworks	.27	
<ul> <li>Chautauqua</li> </ul>	Doors	.31	
<ul> <li>Chelsea Dec</li> </ul>	orative Metal Co	.25	
Church Restor	ation Group	.33	
Church Service	es Restoration Contractors	.19	
Colonial Casti	ell & Thorpe llied Windows ique Brass Works hitectural Timber & Millwork all & Ball Custom Lighting all & Ball Hardware ser Glass D Metalworks of Texas I Busters I Control Technologies asa ard Studio Stained Glass ik Waterproofing win's Stained Glass Studio mder Ornamental Iron, Inc. nham & LaRoche Associates N npbellsville Industries nining, John & Co. hedral Stone Products hedral Stone Products hedral Stoneworks hautauqua Doors helsea Decorative Metal Co. Irch Restoration Group Irch Services Restoration Contractors onial Castings ventry Glassworks sswinds Gallery bertson Enterprises IS Studios Torator's Supply uninger Products eigns in Tile than Studios, Inc. don Corp. opean Art Glass Irgreen Slate Company cutive Woodsmiths, Inc. Irecem Corporation gerald & Foy, Inc. testar Corp. Itee Stained Glass, Inc. Studio Traseeket Roofing ssler Steeplejack Company drix Church Art ttop Slate Company grated Conservation Resources ly Clayton Majzicek te Shore Markers dmark Rigging erty Cedar dowici Celadon guire Iron Illand Engineering Co. lidwest Architectural Wood Products ler Ornamental Sheetmetal chell Enterprises numental Iron Works Illane Copper Products ixalite avec & Son of Baltimore ry Stained Glass Studio ry Stained Glass Studio gry Stained Glass Studio sm's Art Glass Studio gris Rolls Studio sm's Art Glass Studio gry Stained Glass Studio pry Edward K. & Concrete Products Co. imp Shelson Slate Company of the		
Coventry Glas	sworks	.33	
Crosswinds G	allery	.33	
Culbertson En	terprises	.15	
DMS Studios		.23	
Decorator's St	ipply	.29	
Denninger Pro	ducts	.23	
Designs in Til	3	.13	
Durnan Studi	os, inc	.21	
European Art	Class	22	
European Art	to Company	31	
Evergreen Sia	ademithe Inc	22	
Fiberglass Sne	orialties Inc	35	
FibreCem Cor	poration	17	
Fitzgerald & F	ov. Inc.	37	
Fleetstar Corp	~7//	27	
Gaytee Staine	d Glass, Inc.	25	
Gil Studio		21	
Harraseeket R	oofing	.25	
Hassler Steep	eiack Company	23	
Hendrix Chur	ch Art	13	
Hilltop Slate C	Company	.37	
Integrated Co	nservation Resources	.33	
Kelly Clayton	Majzicek	.37	
Lake Shore M	arkers	.27	
Landmark Rig	ging	.33	
Liberty Cedar		.25	
Ludowici Cela	idon	.09	
Midland From		.15	
• Midwort Ar	chitectural Wood Products	21	
Millor Ornam	ental Chaetmatal	25	
Mitchell Enter	prices	10	
Monumental	ron Works	20	
Mullane Copr	per Products	13	
Nixalite	ci i roducio	21	
Oktavec & Son	of Baltimore	21	
Perry, Edward	K. & Company	.27	
Polytek Devel	opment Corp	.23	
Pounds Studie		.17	
Prism's Art G	lass Studio	.37	
<ul> <li>Reggio Regi</li> </ul>	ster Co	.37	
Richmond Pre	cast Concrete Products Co	.31	
Rising & Nels	on Slate Company	.25	
• Robinson Fl	agstones	.37	
Rogers & Smi	in Industries	.33	
Konif's Staine	a Glass Studio	.21	
Sepp Lear Pro	ours of MD. Inc.	20	
okymie Engin	eers or MD, Inc	.49	

Smith-Cornell	1
Stelz Studios	1
Sunburst Stained Glass	7
Swanson Stained Glass Studio	
Swift & Sons, Inc	
ГileSearch	
Tristate Painting Company1	6.3
Vande Hey's Roofing Tile	0
Verdin Company	5
Vermont Slate & Copper Services	-
Watson Bowman Acme Corp	1
Wiedemann Industries	
Willet Stained Glass Studios	9
Wood Window Workshop	1
Yankee Steeplejack Company	57
Zaleski Snow Guards	7

## Division 12 FURNISHINGS



### RELATED PRODUCT ADVERTISING

Professional	Stained	Glass	Guild	 		 	67	
Red Baron's				 	٠.	 	67	

## Division 15 MECHANICAL



## IN THE NEWS

<b>Period Plumbing SourceL</b>	ist							٠					70
Period Plumbing Portfoli	io	•	•	•	•	•	٠	•	٠	•	•	٠	68

## RELATED PRODUCT ADVERTISING

<ul> <li>A-Ball Plumbing Supply</li> </ul>							0	*	٠	٠	٠	٠			٠		.69
Barker Metalcraft																	.69
Bathroom Machineries			. ,			*:											.69
Belfor Design Ltd				٠.					v					٠			.69
Hardware Plus	3																.69
Midget Louver Co																	.69
Sunflower Shower Co						• 5											.69
Tub Doctor																	.69
Watercolors, Inc		٠											*				.69

## Division 16 ELECTRICAL



## RELATED PRODUCT ADVERTISING

Etzen Studios						•						,					.7	7]
Lampshades of Antique	×							٠							845		.7	7]
Lighting by Hammerworks		٠															.7	7]
• MacQuarrie & Niccum	٠	٠	٠	٠	•	•	٠	٠	•	•	*	٠	•	٠	•	٠	.7	7]
Roy Electric Co		٠					٠	٠	٠		٠	٠	٠	٠			.7	7]
<ul> <li>Victorian Lighting Works</li> </ul>																	./	

## Division 17 BOOK REVIEWS



### IN THE NEWS

### RELATED PRODUCT ADVERTISING

All editorial and advertising material in TRADITIONAL BUILD-ING is organized according to the industry-standard MASTERFOR-MAT divisions published by the Construction Specifications Institute (CSI).

ON THE COVER (Clockwise from lefthand side): MIDLAND ENGINEERING'S scaffolding envelops Sacred Heart Church, Notre Dame, IN, as purple Vermont slate is installed, see page 12 or Write in No. 742; Metal fabrication in the shop of HISTORICAL ARTS & CASTING, see page 44 or Write in No. 121; one of DEA BATHROOM MACHINERIES' treasures — a c.1872 blueflowered wall-hung china basin with dragon wall brackets and English faucets, see page 70 or Write in No. 586; Fluted 30 in.dia. wood columns with attic base moulding and 12 in. x 9 ft. Roman Ionic columns supplied by CHADSWORTH COLUMNS for this Virginia residence, see page 60 or Write in No. 18.

## TRADITIONAL BUILDING

The Professional's Source For Historical Products

69A Seventh Avenue Brooklyn, NY 11217 (718) 636-0788 FAX: (718) 636-0750

Editor & Publisher Clem Labine
Managing Editor Judith Siegel Lief
Contributing Editor Eve M. Kahn
Editorial Assistant Sharon Garbe
Art Director Judith Siegel Lief
Art Assistant Sean Sullivan
Advertising Director Susan Littman
Advertising Representative Casey Sweet
Office Manager Jeanne Baldwin
Office Assistant Katya Sverdlov
Data Security Magnolia C. Shepherd
Comptroller Barry Kornblum

TRADITIONAL BUILDING (ISSN 0898-0284) is published bimonthly by Historical Trends Corporation, 69A Seventh Avenue, Brooklyn, NY 11217. Telephone: (718) 636-0788, FAX: (718) 636-0750. Subscription rate to professionals in architecture, construction, and preservation in the U.S. and possessions: \$18/yr. (6 issues). Rate for nonprofessionals and subscribers outside U.S.: \$30/yr., U.S. funds.

Contents of TRADITIONAL BUILDING are fully protected by copyright and must not be reproduced in any manner what-soever without written permission from the Publisher.

© Copyright 1993 by Historical Trends Corporation All rights reserved

PRINTED AT THE LIGHTHOUSE PRESS Manchester, New Hampshire

TRADITIONAL BUILDING is indexed in CONSTRUCTION INDEX.

Religious buildings are the paradigm of landmark architecture. Frequently, they are the most elaborate and architecturally significant buildings in their community. But even when the building is a simple vernacular structure, it becomes a landmark nonetheless because it's the place where the community bears witness to major moments in the lives of its people. Because of the important role that religious buildings play — and the alarming structural problems that many are facing today — we are devoting the bulk of this issue to organizations and companies that are skilled in preserving this vital component of our cultural heritage. — CL

## RELIGIOUS REVIVAL

With so many inner-city religious buildings in jeopardy, a host of organizations have sprung up to assist struggling congregations with the structures they've inherited.

BY EVE M. KAHN

n the late 19th century, in America's simultaneous bursts of fervor for ornament and religious faith, congregations erected lavish houses of worship on almost every street corner. Now the results are aging, and not well. Communities have evolved, leaving sacred structures bereft of congregations and susceptible to demolition. Or new congregations have taken over and made unsuitable changes, done nothing at all due to lack of funding or unwieldy decision-making processes, commissioned only superficial repairs that dazzle visitors but hide underlying decay, or succumbed to overtures from shoddy contractors.

Fortunately for religious congregations that are keen to preserve their patrimony, numerous non-profit organizations in the past decade — despite foundations' widespread unwillingness to fund non-secular efforts — have begun offering locally and nationally focused workshops, libraries, publications, contractor recommendations, and even advice hotlines. Below: Thumbnail portraits of active programs that have come to our attention.

## NATIONAL ORGANIZATIONS

Partners for Sacred Places

1616 Walnut St., Ste. 2310, Philadelphia, PA 19103 (215) 546-1288 Fax 546-1180. Contact: Diane Cohen, Bob Jaeger

The only organization trying to meet the needs of 50 states' worth of religious architecture, Partners aims for achievements no local group could match: Assembling an all-purpose fund-raising guide with nationwide advice and examples; organizing traveling one-day workshops and an annual conference; maintaining a nationally-minded clearinghouse; and fielding calls from congregations around the country in need of handholding when buildings decay or seem obsolete.



Perhaps the finest example of Roman Renaissance architecture in America, St. Mary of the Angels Church in Chicago received a "Landmark Reclaimed" award from the Partners for Sacred Places for a million-dollar restoration funded largely by parishioners.

One encouraging national trend lately, says program co-director Diane Cohen, is the way sanctuaries and ancillary spaces serve more than just worshippers. "We see a pattern of reaching out to the community," Ms. Cohen says. And that causes many new aesthetic problems for architects, who must sensitively adapt grand structures into places suitable for daycare, counseling, homeless outreach, and the like. "It's a real challenge," says Cohen.

Partners is also working on a manual for owners on the art of supervising capital projects and is developing guidelines for training unskilled in-house workers in basic repair and restoration techniques.

## **Interfaith Coalition on Energy**

Headquarters at P.O. Box 26577, Philadelphia, PA 19141 (215) 635-1122 Fax 635-1903 Contact: Andrew Rudin (Branches in AZ, MA, NY, and NC)

Offshoots of ICE are springing up around the country, all with similar services: Distributing workbooks, newsletters, video and audiotapes, giving workshops on issues like roofing and property management, and promoting energy-efficient design — down to recommending that GE's 60-watt floodlamp can give carved and inlaid altars more appealing and evenly distributed lighting than ordinary glare-prone floodlights. The Coalition has also been known to take controversial stands, insisting that, for instance, temperatures as low as 45 degrees better preserve religious-structure interiors than expensive heating, which causes delicate architectural features to dry and crack.

## LOCAL/REGIONAL ORGANIZATIONS Historic Boston Incorporated

3 School St., Boston, MA 02108 (617) 227-4679 Fax 742-7431 Contact: Chris Rediehs

Historic Boston Incorporated, a private preservation revolving fund, has initiated programs "to bring people and resources together for the conservation of endangered historic religious structures that contribute to the cultural heritage and health of Boston." In the past three years Historic Boston has loaned \$320,000 for repairs and spent \$55,000 for condition assessments, strategic planning, and fund raising at 10 religious property sites. Since hosting the 1990 Sacred Trusts conference, it has also organized three intensive short courses attended by more than 300 people from most major denominations in New England. In addition, in 1991 Historic Boston published a 100-page study analyzing the ownership dynamics of 29 historic religious properties that (1) are architecturally or historically significant; (2) appear to have an uncertain future for reasons related to management, finance, or demographic changes; and (3) represent opportunities to house human services that improve the quality of life in Boston neighborhoods.



Historic Boston prepared a conditions report for the Blessed Sacrament Church after the threat of falling plaster convinced the congregation to close the main sanctuary in 1986; with Historic Boston's advice, the congregation raised funds to repair the roof and reopen for Christmas in 1991. Photo: Albert Rodiger



The Vilna Shul, the only survivor of 53 synagogues listed in Boston's 1920 City Directory, was insured, thanks to a loan from Historic Boston. The Vilna Center for Jewish Heritage plans to buy and use the building as a synagogue and cultural center. *Photo: Ben Watkins* 

The group is currently seeking funds so it can make brick-and-mortar grants to benefit pivotal churches and synagogues in Boston.

## The Center for the Documentation and Preservation of Places of Worship

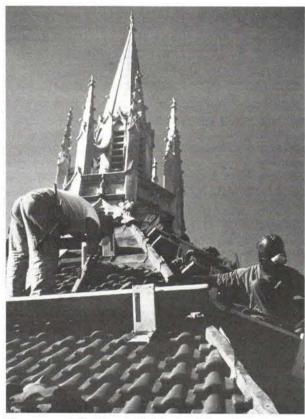
100 N. 6th St., Ste. 531-B, Minneapolis, MN 55403 (612) 333-5365 Fax 339-3126 Contact: Marilyn Chiat or Carol Frenning In addition to lecturing, organizing workshops and conferences, and giving advice on architectural stewardship, the Center has produced a unique document it hopes other organizations will copy: A one-page computerized documentation form for religious buildings. The form calls for descriptions of the building's history and significant features and suits any faith, from Buddhist to Quaker. The Center has already developed a training manual that shows volunteers how to use the form and has documented structures in four rural counties near Minneapolis, using volunteer labor to cover 400 sites in just 18 months.

## Philadelphia Historic Preservation Corporation

1616 Walnut St., Ste. 2210, Philadelphia, PA 19103 (215) 546-1146 Fax 546-1180 Contact: Randy Cotton



With a chancel designed by Tiffany, the Episcopal Church of St. Andrew and St. Monica was restored in accordance with studies funded by the Philadelphia Historic Preservation Corp. Photo: J. Randall Cotton



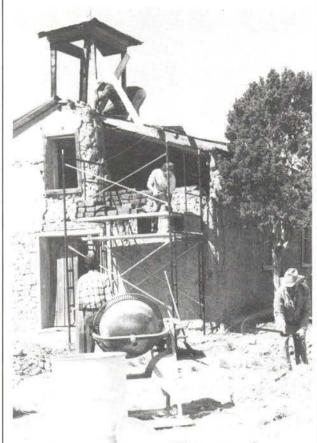
Hangers and flashing failed, but not the original Ludowici Celadon roof tiles, at the Chester Eastside Ministries, a Presbyterian church turned social-services center; the Philadelphia Historic Preservation Corporation funded a conditions report and construction documents for restoration work. *Photo: J. Randall Cotton* 

In six years PHPC's Historic Religious Properties Program has awarded over \$400,000 in technical assistance and rehabilitation grants and then watched those gifts lead to a stunning \$6.3 million worth of restoration work. Among the most daunting challenges, says program director Randy Cotton, is "to help congregations, who typically own a building that is much larger than they need, to break a pattern of emergency repairs and deferred maintenance and initiate a sensible, phased repair plan."

The program provides condition evaluations, prioritized repair plans with cost estimates, and fund-raising consultation; it also holds workshops on such topics as roof repair, publishes the quarterly magazine INSPIRED, and is conducting a regional survey of stained glass. New initiatives include a compilation of restoration articles written for congregations as well as guides to the city's wealth of religious landmarks.

## **New Mexico Community Foundation**

227 Otero St., P.O. Box 149, Santa Fe, NM 87504 (505) 982-9521 Fax 982-2516 Contact: Sam Baca



Work underway at La Capilla de la Sagrada Familia in Pajarito, New Mexico, supervised by the New Mexico Community Foundation's Churches "Symbols of Community" program. Descendants of the original owners as well as neighbors and other friends overhauled the tiny 1924 chapel dedicated to the holy family. Photo: Jim Gautier

"Churches: Symbols of Community" is the foundation's official title for a six-year-old effort that so far has offered grants and technical and hands-on assistance to 100 of the state's 800 pre-1940's churches. Specializing in humble rural adobe buildings, the staff turns to neighbors, former residents, and other skilled and unskilled volunteers (including architects and engineers fond of pro bono assignments) for labor. It has almost completed a comprehensive statewide survey of adobe churches, and it offers formal training in adobe preservation to both religious and lay caretakers.

## **Preservation League of N.Y. State**

Technical Assistance Center 44 Central Ave., Albany, NY 12206 (518) 462-5658 Fax 462-5684 Contact: Tania Werbisky, Sheryl Adler Legal Services Program 166 Water St., Binghamton, NY 13901 (607) 722-4568 Fax 772-1249 Contact: Katherine Raub Ridley



The Preservation League of New York State provided legal and technical assistance to help prove that the c.-1901 Nassau Reformed Church in Nassau, New York, could be spared demolition. *Photo: Jon Crispin* 

The League's Technical Assistance Center helps all kinds of troubled buildings in the state find their way and often works with non-landmarks other advocacy groups might overlook. Typical religious projects range from a simple small-town church with a leaky roof to a lavish Arts-&-Crafts chapel that wasted money years ago on masonry coatings that have since caused stones to pop off. The Center

prepares condition reports and maintenance plans, helps congregations find funding, and recommends specialists.

The League's Legal Services Program helps congregations and municipalities understand local landmark legislation, national and state register listings, and the relationship between proposed changes to religious buildings and local, state, and federal laws. Despite best efforts, "misunderstandings" still occur. One particularly chilling recent example: The town of LeRoy, near Rochester, where several ministers dissatisfied with their current quarters have convinced the town to make the landmarks law voluntary.

### Inspired Partnerships

53 W. Jackson Blvd., Ste. 852, Chicago, IL 60604 (312) 294-0077 Fax 294-0085 Contact: Neal Vogel



A full house at reopening ceremonies for St. Mary of the Angels Church in Chicago, whose million-dollar restoration Inspired Partnerships helped make possible. *Photo: Neal Vogel* 

One of the most ambitious nonprofit efforts ever undertaken to aid historic religious structures, the partnership receives major funding from the Lilly Endowment, Inc., for everything from distributing booklets that debunk common maintenance myths (i.e., that low interior temperatures harm pipe organs) to funding professional assistance for handicapped-ramp construction. So far the partnership has aided several hundred of the 3,000 structures within its 50-mile-wide purview; landmark status is not required, but community outreach is — the Partnerships, says technical services coordinator Neal Vogel, views religious institutions as "the front line, the last hope when government funding on social services is cut back."

The organization charges between \$200 and several thousand dollars for work that ranges from walk-through condition surveys to a three-day consultant team study; publishes booklets on topics like mechanical systems, roofing, and stained glass; researches what religious institutions do (it's discovered that some 70% of their services are directed at non-members); gives year-long courses in stewardship; and maintains a database of craftspeople, suppliers, and consultants. Hampering its efforts, Vogel says, is a lack of accountability (religious groups rarely name a single person responsible for the building and often change leadership); the growing number of non-preservation-oriented architects pushed to religious buildings by doldrums elsewhere; and the way religious groups tend to disperse funds at an erratic pace and in all the wrong places. "They'll spend money on cosmetics rather than structural work, because visible change convinces congregations that work is progressing," says Vogel, "and they sometimes take months to choose something like the color of the carpet but then want to spend the money now without competitively bidding the work."

continued on page 72

■ RELIGIOUS BUILDINGS TRADITIONAL BUILDING

## PROBLEMS IN RESTORING RELIGIOUS PROPERTIES

## At a time when other areas of the rehab business have sagged, restoration of religious buildings remains vigorous.

BY MARYANN ONDOVCSIK

eferred maintenance — the scourge of just about every building — is a particularly acute problem with religious properties. Structures full of decorative plaster, ornate woodwork, sculpture, and stained glass are hardly "low maintenance." And since many are large buildings housing dwindling congregations, as the structures get older and more rundown, the smaller congregations frequently try to avoid building upkeep expenses.

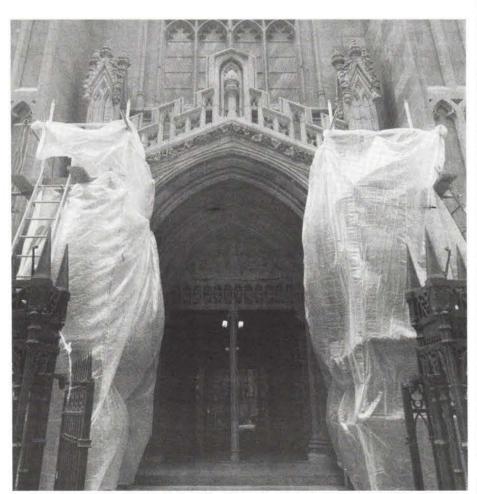
There is also the sensitive problem that many congregations feel money should be allocated to their mission and programs — not to conserve their own property. Deferred maintenance may be economical in the short run, but according to Winchester, Mass., architect Allen Charles Hill, it often leads to management by crisis and extraordinary expenses.

The case studies below all involved serious (and expensive) restoration work. Could some of this have been prevented? According to Hill, the best alternative is the stewardship of religious property as a planned, intentional activity. "The congregation should assess the building, its condition and the work needed over time, then develop a long range program of maintenance rather than merely responding to the crises of the moment."

Here's a rundown on some interesting problems that have arisen in religious buildings and the steps taken to deal with them.

## FINALLY IN THE PINK

TRINITY CHURCH, Wall St. & Broadway, New York City. Contractor: Brisk Waterproofing, Ridgefield, NJ under the direction of Michael C. Radigan and Michael B. Radigan; Structural engineer: Maxwell Lincer, PE; Scaffolding: Allen Shalders of Universal Builders Supply (UBS)



Using complex scaffolding from UBS, workers from Brisk Waterproofing steam-cleaned the church, using a gentle, water-rinseable cleaning agent. A soft abrasive, made of ground walnut shells, was used on problem areas.

**PROBLEM:** To clean the c. 1840 Gothic Revival church which had turned jet black, and stop the dangerous masonry deterioration. In 1988, a 6-lb. stone had fallen 132 ft. into the churchyard, forcing the congregation to speed up a needed

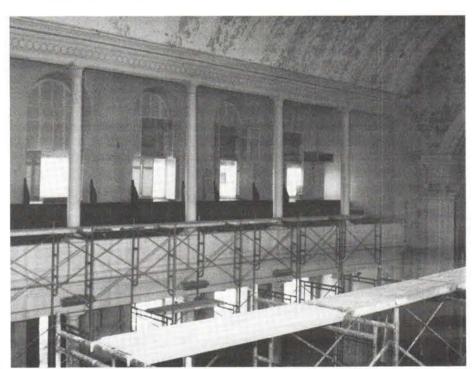
**SOLUTION:** The first step was simply to put up a safety net to protect pedestrians from falling debris and to investigate the deterioration involved.

According to project supervisor Michael C. Radigan, that started with a thorough cleaning of the building. An earlier misguided repair had coated the structure with two applications of "protective" paraffin, which had simply attracted dirt and soot. The once pinkish brownstone had turned sooty black, hiding the extent of the masonry deterioration. When returned to its original color, Brisk Waterproofing could ascertain the degree of damage. It was considerable, especially in the decorative pinnacles, turrets, and crockets. "These were replaced with pre-cast concrete members," Radigan says. "We used red sand cement and brown aggregate for a true color match." Additional stones were re-set and pinned with stainless steel anchors, while a young stone carver from China copied the badly deteriorated elements. Additional work on this Richard Upjohn church included dismantling and reconstructing the choir loft, and the reconstruction of four stone clerestory windows which had shifted. Large cracks within the walls were stabilized and both plasterwork and stained

FOR MORE INFORMATION: Scott MacDowell, Brisk Waterproofing, 720 Grand Ave., Ridgefield, NJ 07657 Phone: 20I-945-0210 or trunk line: 212-532-4430 FAX: 201-945-784I Or Write in No. 352

## POST-HUGO CLEANUP

EPISCOPAL CATHEDRAL OF ST. LUKE & ST. PAUL, 126 Coming St., Charleston, SC; General Contractor: Mistick, Inc./Church Restoration Group, Pittsburgh, PA; Architect: Daniel Beaman, AIA, Cummings & McCrady, Charleston, SC.



Hurricane Hugo punched a hole the size of a truck in the roof of this 181-year-old church, allowing four days of torrential rain to damage the plaster. Mistick, Inc., pulled 4,000 gallons of water out of the structure, restored the damaged plaster,

PROBLEM: Extensive water damage from Hurricane Hugo had all but destroyed the cornice and barrel-vaulted ceiling in this historic 1811 church. Furthermore, because the old lime and sand plaster had a horsehair binder, mold and fungi fed on the organic material and spread throughout the damaged areas.

SOLUTION: Mistick, Inc., which tackled this project, began by closing the building and, using its mobile dehumidification and monitoring units, measuring the environment with hygrometers and Delmhorst meters. They eventually pulled out 4,000 gallons of water and saved several hundred thousand dollars worth of interior finishes. Then the mold and mildew had to be killed with anti-microbial treatments before new plaster could be applied. "Plastering in historic churches is a real art," says Vice President David J. Mistick. Craftsmen also had to deal with structural problems since the walls, which had survived earthquakes and hurricanes, were not plumb and true. "The damaged plaster had to be removed," he continues. "Fortunately, we found that Uni-Kal veneer plaster could fill and flank to compensate for bulges and voids or recessed areas. The walls are now straighter than they were before Hugo." Cornice work along the ceiling was done in place with Uni-Kal veneer plaster and a template, since it would have been extremely difficult to get a proper fit with elements run on

TRADITIONAL BUILDING 6 ■ JANUARY/FEBRUARY 1993

### ■ TRADITIONAL BUILDING

a bench. Final restoration included repainting the ceiling with gold leaf highlights.

FOR MORE INFORMATION CONTACT: David J. Mistick, *Mistick, Inc./Church Restoration Group*, 1300 Brighton Road, Pittsburgh, PA 15233 Phone: 800-322-3520 FAX: 412-322-9336 Or Write in No. 260

## FRANCO-AMERICAN EXCHANGE

CHURCH OF ST. ANN AND HOLY TRINITY, Clinton & Montague Streets, Brooklyn Heights, N.Y. Restoration Program: The St. Ann Center for Restoration and the Arts. Program Director: David A. Korman; Architectural Conservator: Glenn Boornazian; Sandstone Conservation Supervisor: Karen Reimann



Claudia Berger and Philippe Theillou, two French apprentices from the Abbaye de St. Antoine, apply their special carving skills to the deteriorating brownstone of The Church of St. Ann and Holy Trinity.

**PROBLEM:** The deterioration of the sandstone, which had been set with its bedding planes improperly oriented in the 1840's, as well as degradation of exterior wood and the famous stained glass — the first set of figural stained glass windows produced in this country.

SOLUTION: The restoration was launched in 1979 by the New York Landmarks Conservancy. In 1983, The St. Ann Center for Restoration and the Arts, Inc., was formed to oversee the projects and the performance series. "Bringing the restoration in house gave us greater control over the quality of the work," says David Korman, director of the restoration program. "It also allowed us to set up a training program to nurture the next generation of artisans." The main exterior problem here is the deteriorating sandstone, which is being patched with a Jahn patching mortar. The Jahn mortar has vapor transmission properties comparable to the natural stone, which prevents damage from freeze/thaw cycles. The stone conservation program recently got help from France, thanks to the Florence J. Gould Foundation and World Monuments Fund. "They hooked us up with the Friends of Vielles Maisons Francaises," Korman says. "And that connected us with the Abbaye de St. Antoine, another Gothic sandstone structure. But it's from the Middle Ages, so it has even worse problems because it's been around longer!" Two French apprentices who had worked on stone carvings at St. Antoine came to St. Ann to learn the American approach. Both parts of the equation were pleased with the program. "France has centuries of experience in carving and stone artistry," he says. "But the U.S. leads in the scientific approach to stone conservation. We learned a lot from each other.'

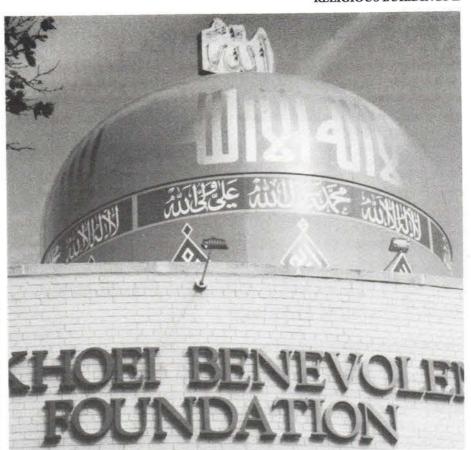
FOR MORE INFORMATION: David A. Korman, St. Ann Center for Restoration and the Arts, Inc., 157 Montague St. Brooklyn, NY 11201 Phone: 7I8-834-8794 FAX: 718-522-2470

## THE WAY TO MECCA

IMAM AL-KHOEI ISLAMIC CENTER, 89-80 Van Wyck Expressway, Jamaica, NY; Architectural Fiberglass Components: Edon Corp. Horsham, PA; Structural Engineer: Morris Leibergott; Construction Manager: K. Hakimzadeh

**PROBLEM:** Design a dome and minaret to meet stringent Islamic requirements in terms of size, weight, color specifications and Islamic lettering. All of this had to be installed on an existing building and still meet all the New York City codes for wind load, fire resistance, etc.

**SOLUTION:** Fiberglass-reinforced polyester! New developments in architectural fiberglass (FRP) can produce traditional looking domes (and minarets) at a fraction of the cost of conventional construction. Edon Corp., which has done fiberglass work for Disney, Universal Studios, and a multitude of churches, recently completed a project for a Shiite mosque in New York City. Components for the 34-ft.-high minaret — and the dome which is 18 ft. in diameter — were constructed in Edon's plant near Philadelphia, taken apart, shipped to New York and re-assembled with local labor from the congregation. "Morris Leibergott, the engineer of record, designed the project," says Ed Axel, president of Edon. "Parts of the existing structure — which contains a school as well as worship space — had to be demolished and the dome and minaret had to be engineered with structural steel to meet all the local codes." But there were



No, this is not the Middle East. It's a mosque in New York City, wearing a new fiberglass dome and minaret in the traditional Islamic blue/green. The elegant gold calligraphy stands a full 4 ft. high.

aesthetic problems, too. One was simply matching the color: the rich blue/green that is traditionally used on mosques in the Middle East. "We also had to do the Islamic calligraphy," he says. "There really isn't anyone in this country who can do it with the precision that the figures require. Slight changes in the shape of a character can change the entire meaning of a word. We laid it out as best we could on the computer and sent it to the Middle East for approval. Neon lighting on top of the dome was also used to create a religious phrase in Islamic calligraphy. Fortunately, we were able to work it all out."

FOR MORE INFORMATION: Ed Axel, *Edon Corp.*, 1160 Easton Rd., Horsham, PA 19044. Phone: 215-672-8050 FAX: 215- 672-9014 Or Write in No. 189

## **PINNING THE PINNACLES**

GRACE EPISCOPAL CHURCH, 254 Hicks St. Brooklyn, N.Y. Architectural Conservators: Integrated Conservation Resources; Architect: Page Ayres Cowley, AIA; General Contractor: Cathedral Stone Co. of NY; Structural Engineers: Superstructures; Mechanical Engineers: Ambrosino DePinto & Schmieder.



The innovative, British-made Cintec Harke stainless steel anchors are rather like large scale dentistry. A small hole is drilled into the damaged area and polyester-wrapped pins inserted — crossing each other like underpinnings. The polyester "sock" is then pumped full of grout, filling the sock from back to front.

**PROBLEM:** The brownstone masonry of this 1847 Richard Upjohn church was badly deteriorated and previous repairs were found to be incompatible with the stone. Furthermore, the pinnacles over the roof had been encapsulated in a dense cement that had undermined their structural integrity.

**SOLUTION:** A series of tests were conducted on both the original sandstone and potential repair materials to find a mix which satisfied such needs as vapor permeability and water absorption rate. "Our conservators also found Upjohn's original stone specifications which named the original quarry. With this information, we were able to obtain specific geological survey data from the period," says Glenn Boornazian of Integrated Conservation Resources, Inc., the project's conservators. "This helped to develop a program of compatible repair." To document the large project, computerized drawings were done stone-by-stone of the building's west elevation, with the drawings later annotated to quantify individual conditions. But perhaps the most interesting repairs involved using the new Cintec Harke anchor system, purchased through the Canadian office

■ RELIGIOUS BUILDINGS

TRADITIONAL BUILDING ■

of the British manufacturer. "We had the good fortune to meet Robert Lloyd Rees, who had used the system in England," says project architect Page Ayres Cowley. "The device satisfied the engineers' requirements and mine, without altering structural integrity." This procedure uses specially designed stainless steel pins, varying from 24- to 40-in. long, and encased in polyester "socks." To anchor loose stone, a small diameter hole is drilled into the stone and the pins inserted. Then, grout is injected under pressure into the sock, which, inflating like a balloon, provides a mechanical as well as a chemical bond in the substrate. "The problem in the past," Cowley says, "is that you had to insert a rod and pump epoxy around it. When epoxy is pumped in, it can run all over the place and not produce a structurally satisfactory connection. This new pin system seems to be a more satisfactory way to deal with localized failures in stone."

FOR FURTHER INFORMATION: Neal Boornazian, Cathedral Stone Co. of N.Y., 10 Columbia Place, Brooklyn, NY 11201 Phone: 718-858-5646 FAX: 718-858-5657 Or Write in No. 272

## SLAVE-BUILT CHURCH BECOMES MUSEUM OF BLACK CHURCH HISTORY

ORCHARD STREET CHURCH, 520 Orchard St. Baltimore, MD; Architect: Kelly Clayton & Mojzisek (KC&M); General Contractor: Stuever Bros. Eccles & Rouse; Decorative Painting: Chris Oktavec; Program Manager: Heery International; Stained Glass: Artisan Studios of Baltimore; Organ Restoration: David M. Storey



After standing vacant for nearly 20 years, the Orchard Street Church has found new life as a museum of black church history. The focal point of the restored sanctuary is the stained glass window, replicated by Artisan Studios of Baltimore, and tucked behind an organ restored by David M. Story. Chris Oktavec did the decorative painting.

**PROBLEM:** Restore a 110-year-old Italian Renaissance-style church and turn it into a museum of black church history, while renovating the Sunday school building and auditorium into Urban League administrative offices and vocational-training classrooms.

**SOLUTION:** This project began with the cleanup of a building which had been left vacant and dilapidated. "There had been six fires in the building, and there were actually trees growing inside," says KC&M spokesperson Pauline M. Harris. "We had to deal with structural and water damage — not to mention pigeon droppings — before we could even begin." Serious restoration was needed in the sanctuary, where plaster damage was severe and the decorative painting had been whitewashed. After microscopic paint analysis, the architects and painter Chris Oktavec deciphered the colors and original stencil patterns, which were repainted — complete with gold leaf. Now a museum, this is a fitting use for a church built over a century ago by slaves and freed blacks who worked at night by torch light. "During archaeology associated with the renovation, we uncovered a space that is believed to be part of the Underground Railroad," Harris says. "We underpinned the entire corner of the building and created stairway access to the area." Although long considered a landmark in Baltimore, this church stood empty for 20 years. "The community is excited by the new use, since the black church was always the social, cultural and spiritual center for African-Americans," she says, "and the Urban League, going into the 21st century, is doing the same thing.'

FOR MORE INFORMATION: Pauline M. Harris, *Kelly Clayton & Mojzisek*, 2508 N. Calvert St. Baltimore, MD 21218 Phone: 301-889-2613 FAX: 301-889-4318 *Or Write in No. 357* 

## **CHERRY PICKER SOLVES SCAFFOLDING PROBLEM**

ST. STEPHEN'S CHURCH, 8030 Bradshaw Rd. Bradshaw, MD; Restoration Contractor: CRL of Maryland, a subsidiary of Culbertson Enterprises, West Chester, PA; Project Manager: Stephen Johanson

**PROBLEM:** Masonry of this 1863 church was badly deteriorated, due to extensive water infiltration and freeze/thaw damage. During a previous repointing project, the joints were not cut out and the new mortar was harder than the original, causing more damage. There were also signs of advanced mortar joint deterioration and delamination of the substrate.

**SOLUTION:** Built by B&O Railroad workers in their spare time, this French Gothic-style church is made of rubble work using dark granite from local farms,



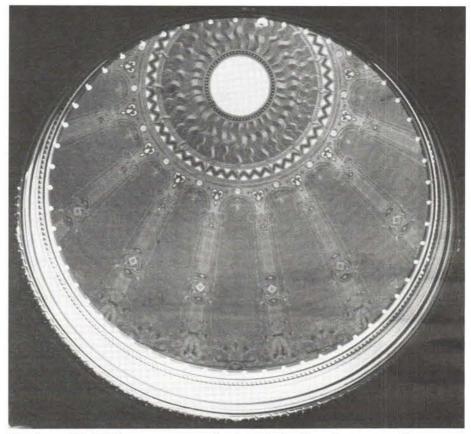
Instead of erecting scaffolding, CRL of Maryland used a cherry picker to inspect St. Stephen's Church and do 5,000 lineal feet of stone re-pointing and 3,800 lineal feet of brick pointing.

brick trim, and a slate roof. "For repairs, we wanted to use products and techniques that matched the original as closely as possible," says director of marketing Melissa Alleman. "When this church was built a lot of companies were producing mortar, so there were a lot of different qualities and consistencies to match." A cherry picker, used to inspect the damage and to do the repairs, eliminated the need for complicated scaffolding. CRL of Maryland also re-caulked the valuable stained glass windows, painted the frames and waterproofed the restored structure.

FOR MORE INFORMATION: Melissa Alleman, *Culbertson Enterprises*, 790 East Market St. West Chester, PA 19382 Phone: 215-436-6400 FAX: 215-436-6309 *Or Write in No. 265* 

## HEAVENLY LADDER LEANS ON FUTURE MAINTENANCE

**TEMPLE SHERITH ISRAEL**, 2266 California St. San Francisco, CA; Principal architect: Architectural Resources Group; Contractors: Mayta and Jensen; Client Representative: Stanford Garfinkle



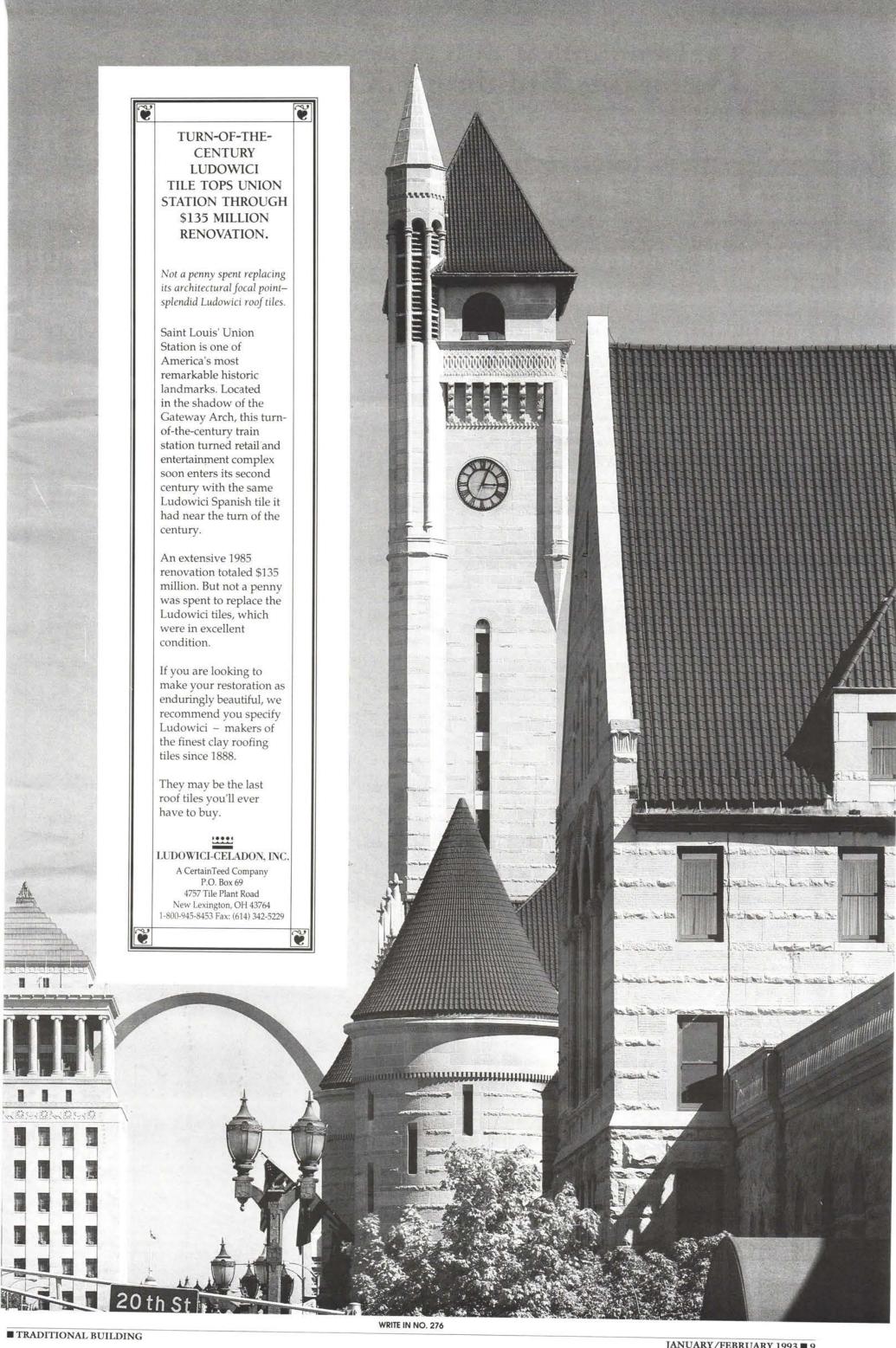
The dome of the 1910 synagogue was about six stories above the congregation—and leaking. The slate roof was repaired with stainless steel screws instead of nails (which would have damaged the decorative plaster) and a motorized ladder was installed to ease future repairs.

**PROBLEM:** The slate was coming off the roof of this Classical Revival synagogue and the dome was leaking, damaging the decorative painting inside. But unlike standard construction (with an inner and outer dome), the inner dome was just inside the framing — which meant that if new slates were installed with a hammer, plaster on the inner dome would be damaged.

went to the Vermont Slate Institute and were able to find a match," says architect Bruce D. Judd, partner in charge. But this was not a standard size slate. The solution here was to gently remove existing slate down to the underlayment, repair damage and rot, top with building paper and replace the slate. "Since the dome couldn't withstand hammering, we installed the new slate with stainless steel screws," he says. The interior painting was straightforward and beautifully done, matching the original colors. But the real innovation here was the installation of a rolling ladder, stretching from the top of the dome to the gutterline.

continued on page 73

8 ■ JANUARY/FEBRUARY 1993





## TRADITIONAL BUILDING'S SourceList For eligious Building EXTERIORS

CLEM LABINE Steeples Other COMPANY SPECIALTY Roofing Ornamental Cast Literature Stonework Ornament Metal Offers a full range of survey, design, structural, Free Timber Architectural Timber & Millwork Write in No. 329 ornamental fabrication, rigging, and installation framing, 35 Mt. Warner Rd., Dept. TB structural steel services for churches and other historic Hadley, MA 01035 structures. Full range of restoration crafts, (413) 586-3045 including high rigging skills. Arch-top wood shutters Manufacturer of historic wood shutters, both Beech River Mill Corp. Free interior and exterior. Also: Historic shutter RFD 168, Dept. TB hardware. Experienced in church work; can make Center Ossipee, NH 03814 louvered shutters with Gothic-arch tops. (603) 539-2636 Bird control Specialists in stainless steel wire bird control **Bird Busters** Write in No. 307 products 1083 Thomas Jefferson St., NW Washington, DC 20007 (202) 965-0199 Bird control Dealer and installer of a wide range of bird control **Bird Control Technologies** Write in No. 225 products P.O. Box 135, Dept. TB Douglassville, PA 19518 (215) 385-4880 Major waterproofing and masonry restoration contractor. Extensive experience on large landmark jobs such as Trinity Church and Grand Specialist in Brisk Waterproofing Co. complex scaffolding & Write in No. 352 720 Grand Ave., Dept. TB Ridgefield, NJ 07657 rigging Central Station in New York City. (201) 945-0210 (212) 532-4430 Replacement slate roofing material formed from Free BritSlate No. America 100% slate particles in a resin binder. Lightweight; Class "A" rated. Available in 4 colors. 75 Bickford Hill, Dept. TB Gardner, MA 01440 (508) 852-4888 Fabricated Wide range of slate products for roofing, treads & Free Buckingham-Virginia Slate Corp. slate products risers, flooring and pavers, exterior sills, and P.O. Box 8, Dept. TB Arvonia, VA 23004 (804) 581-1131 Authentic clay roof tiles in a range of traditional Free **CCN Clay Roof Tiles** Write in No. 950 profiles and finishes. Also: Decorative ridge tiles, 8280 College Pkwy., Suite 204 finials, and related accessories. Ft. Myers, FL 33919 (800) 551-4226 Custom-Major fabricator of metal steeples, belltowers, Free Campbellsville Industries fabricated Write in No. 582 cupolas, balustrades, cornices, weathervanes, P.O. Box 278, Dept. TB architectural and related architectural elements in ornamental Campbellsville, KY 42718 metal elements (502) 465-8135 Hand-carving Free Natural stone restoration and fabrication, Carving & Restoration Team of stone chemical-free cleaning, injection of cracks and 10115 Residency Rd., Dept. TB fissures using epoxy, polyester, or acrylic adhesives. Hand-carved lettering and ornament. Manassas, VA 22111 (703) 369-1236 Contractors who implement masonry Cathedral Stone Co. Of N.Y. conservation programs for historic buildings and Write in No. 272 10 Columbia Place, Dept. TB monuments. Experienced in work on religious Brooklyn, NY 11201 buildings. (718) 858-5646 Hand-carving Specializes in restoration of limestone. Cathedral Stone Products, Inc. sandstone, brownstone, terra cotta, and brick Write in No. 380 8332 Bristol Ct., #107, Dept. TB using products and techniques that save as much Jessup, MD 20794 of the original material as possible. (301) 317-4658 Hand-carving Stone fabrication company combines the latest in CAD,CAM design and stone cutting equipment with a large team of skilled hand carvers for Cathedral Stoneworks Write in No. 935 skills 1047 Amsterdam Ave., Dept. TB New York, NY 10025 statuary and carved ornament. Experienced in stone restoration and conservation. (212) 316-7457 Interior as Complete exterior and interior restoration of religious properties. Specialize in handling fire and water damage and other disaster recovery. Free Church Restoration Group Write in No. 260 well as 1300 Brighton Rd., Dept. TB exterior Pittsburgh, PA 15233 (800) 322-3520 restoration Patinating Copper coatings and patinas in 4 colors — Free Copper Coatings & Patinas materials including verdigris — can be applied to copper and any other metal. Apply to spires, domes, Write in No. 315 8455 Commerce Ave., Unit B San Diego, CA 92121 weathervanes, gutters, and roofing systems. (800) 882-7004 Free Hand-crafted weathervanes, finials, and related Crosswinds Gallery Write in No. 263 custom metalwork for finishing off steeples, 980 F. Main St., Dept. spires, and peaks. Portsmouth, RI 02871 (401) 683-7974 Culbertson and its subsidiaries offer a single Free **Culbertson Enterprises** Write in No. 265 source for every facet of exterior restoration 790 E. Market St., Dept. TB including — but not limited to — roofing, masonry West Chester, PA 19382 and concrete repair, replacement, and restoration (215) 436-6400 Brochure Free Write in No. 730 A crafts studio specializing in traditional 18th- and Denninger Cupolas & 19th-century weathervanes, banners, caps, Weathervanes Catalog \$4 finials, and replication of antique rooftop RD 1, Box 447, Dept. TB Middletown, NY 10940 (914) 343-2229 A full-service design and fabrication shop that is experienced in making cupolas, domes, spires, steeples, minarets, and other architectural shapes in EDP for collections. Fiberglass reproductions Edon Corp. Write in No. 189 1160 Easton Rd., Dept. TB & restorations Horsham, PA 19044 in FRP for religious buildings. (215) 672-8050

Evergreen Slate Co.

Granville, NY 12832 (518) 642-2530

P.O. Box 248, Dept. TB

Supplies natural Vermont roofing slate in a wide range of sizes, textures and weights. More than

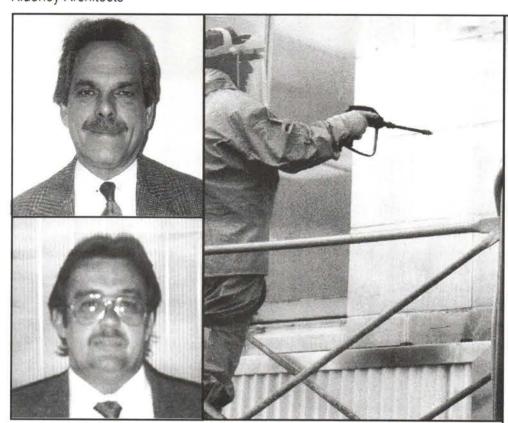
10 shades available, including unfading red and unfading green. Also supplies slater's tools for

installation and repair.

Write in No. 713

## "ProSpec cleaned this eighty year old structure better than the industry leader ...

Vincent R. Bernard, CSI Senior Associate Kideney Architects



Gordon E. Ebert Preservation Conservator Anodyne Consulting Company

## ... and the rest is history."

Few cleaners and paint strippers, including the industry leader, can handle delicate cleaning projects as well as Watson Bowman Acme Corp.'s ProSpec. The Niagara Mohawk Electric Building in downtown Buffalo, New York is an example of the superior quality achieved by the ProSpec line of masonry cleaners.

According to Vincent R. Bernard, CSI, Senior Associate with Kideney Architects, "I planned to specify a name brand product for the cleaning of this structure when I became aware of ProSpec. The testing application using ProSpec was far superior for this project than the previously selected product. I decided to change the specification mandating the use of ProSpec and I will continue using ProSpec on future projects."

The face of this structure, which is patterned after the Electric Tower of the 1901 Pan American Exposition, is a white matte glazed terra cotta with masonry backup. In 1964, the building was cleaned and sealed with a clear preservative and the lantern portion of the tower was sandblasted and painted.

A recent study of the building's exterior recommended extensive work on the terra cotta using a top-of-the-line cleaner and paint stripper.

"The ProSpec Terra Cotta Cleaner effectively cleansed while preserving the glazed finish on the terra cotta units," according to Gordon E. Ebert, Preservation Conservator at Anodyne Consulting Company.

Architects, specification writers and contractors can trust the ProSpec line of masonry cleaners to return delicate historical structures to their original splendor.

Ask us for more information on the ProSpec line of cleaners, water repellents and strippers.

Call or write for your

free ProSpec catalog.



Your best connection



WATSON BOWMAN ACME CORP. 95 PINEVIEW DRIVE, AMHERST, NEW YORK 14228 U.S.A. (716) 691-7566 (800) 677-4WBA FAX (716) 691-9239 WATSON BOWMAN ACME INC. 4205 FAIRVIEW STREET, BURLINGTON, ONTARIO, CANADA L7L 2A4 (416) 639-1691 FAX (416) 639-7187 WATSON BOWMAN ACME CORP. 10-08, 10TH FLOOR, BOX 561, FAR EAST SHOPPING CENTRE, 545 ORCHARD ROAD, SINGAPORE 0923 011-65-7328504 FAX 011-65-7322088 TELEX RS 51188 ACTION



## TRADITIONAL BUILDING'S SourceList For eligious Building EXTERIORS

COMPANY	SPECIALTY	Literature	Roofing	Ornamental Metal	Stonework	Cast Ornament	Steeples	Other
Fiberglass Specialties P.O. Box 1340, Dept. TB Henderson, TX 75653 (800) 527-1459	Major supplier of FRP steeples and cupolas; offers dozens of stock sizes and components. Steeples can have 4, 6, or 8 sides, windows or louvers, and other decorative elements. Custom work available.	Free Write in No. 731					V	
FibreCem Corp. P.O. Box 411368, Dept. TB Charlotte, NC 28241 (800) 346-6147	Manufactures simulated (fiber-cement) roofing slate in 4 styles, 4 standard colors, and 16 optional colors. 50-yr. warranty.	Free Write in No. 377	~					
Fleetstar Corp. 481 Commerce St., Dept. TB Hawthorne, NY 10532 (914) 769-6722	Exterior restoration contractor experienced with religious properties. Services include: Masonry restoration, roofing, waterproofing, and structural repairs.	Free Write in No. 267	~		V	V		Structural repairs
Harraseeket Roofing P.O. Box 221, Dept. TB South Freeport, ME 04078 (207) 865-4428	Major roofing contractor experienced in all of the steep-roof problems associated with churches and major buildings. Steeple painting, restoration, and consultation.	Free Write in No. 223	~	~			~	Steeple repairs
Jack Hassler Co. 1619 W. Thompson St., Dept. TB Philadelphia, PA 19121 (215) 236-1280	Full-service steeplejack: Steeple, dome, and tower inspections/repairs, brick and stone pointing. Installs, repairs, gold-leafs high crosses and finials, bird-proofing, sheet-metal repairs.	Free Write in No. 269			~	9	~	Gold leafing
Hilltop Slate Co. P.O. Box 201, Route 22A Middle Granville, NY 12849 (518) 642-2270	Natural slate roofing from their Vermont and New York quarries: Sea green, grassy green, mottled purple, Vermont gray-black, purple, and red. Available in standard lengths from 12 in. to 24 in.	Free Write in No. 995	~					
Integrated Conservation Resources 10 Columbia Pl., Dept. TB Brooklyn, NY 11201 (718) 858-5648	Architectural conservators who develop conservation programs for historic buildings, religious properties, and monuments, based on lab and in-situ testing. Masonry a specialty.	Free Write in No. 272			~			Develops a administers conservation programs
JC Sheetmetal 8 Nichols Ave., Dept. TB Brooklyn, NY 11208 (718) 235-0109	Restoration contractor specializing in gutters, leaders, and slate work. Experienced with religious buildings.	Free	~	V				
Lake Shore Markers 1817 Poplar St., Dept. TB Erie, PA 16512 (800) 458-0463	Historic markers in bronze and aluminum for National Register and landmark properties. Custom plaques for other historic properties, and special memorials.	Free Write in No. 873		~				Plaques & markers
Landmark Rigging, Inc. 63 Main St., Dept. TB Florence, MA 01060 (413) 586-4121	Steeplejack company with extensive experience in historic preservation: Structural repairs and timber frames, sheetmetal and slate, masonry repointed and waterproofed, millwork fabrication, gilding of architectural elements.	Free Write in No. 759	~	~	~		~	
J.C. Lauber Sheet Metal Co. 504 E. LaSalle Ave., Dept. TB South Bend, IN 46617 (219) 234-4174	Special metalwork in copper, brass, stainless steel, aluminum, galvanized, or plain steels.	Free	~	~			V	
Liberty Cedar 535 Liberty Lane, Dept. TB W. Kingston, RI 02892 (401) 789-6626	Heavy tapersawn western red and white cedar shakes and shingles; fire retardant. Also: Hip & ridge caps, stainless steel nails, stock and custom fancies.	Free Write in No. 653	~					
Ludowici-Celadon, Inc. 4757 Tile Plant Rd., Dept. TB New Lexington, OH 43764 (614) 3421995	Produces natural clay roof tile in Spanish S, Barrel, Interlocking Shingle styles; 10 shapes in all. 24 standard colors available. Complete fittings and custom finials, terminals, and end caps.	Free Write in No. 276	~					Custom wo available
Midland Engineering Co. 52369 US 33 North, Dept. TB South Bend, IN 46624 (214) 272-0200	Custom installer of a complete range of church roofing systems, including slate, tile, shake, and metal. Masonry and ornamental metal restoration; rigging for steeple work. Experienced in large jobs. Travel nationwide.	Free Write in No. 742	~	~	~		~	
Hunt Miller Sheetmetal 20521 Whites Ferry Rd., Dept. TB Poolesville, MD 20837 (301) 428-8061	Architectural sheetmetal contractor with extensive experience in the special ornamental sheetmetal needs of large religious buildings.	Free Write in No. 929	~	~			V	
Monumental Iron Works 6500 Eastern Ave., Dept. TB Baltimore, MD 21224 (410) 633-6500	100-year-old ironworking firm with a large selection of traditionally styled fences and gates suitable for use around religious buildings.	Free Write in No. 691		~				
Mullane Copper Products 17 Mason St., Dept. TB Hudson, MA 01749 (508) 568-0597	Manufactures cast bronze snow guards for slate, wood, and shingle roofing. Also bronze and aluminum guards for metal roofs. Copper roofing, gutters, fasteners, and accessories.	Free Write in No. 56	~	~				Snow guard
Nixalite 1025 16th Ave., Dept. TB East Moline, IL 61244 (800) 624-1189 (309) 755-8771	Extensive line of stainless steel architectural bird- repelling products that prevent birds from roosting. Stainless steel needles are close to invisible and will not stain the building.	Free Write in No. 37						Bird control products
North Barre Granite 16 Railroad St., Dept. TB Barre, VT 05641 (802) 476-6624	Granite products: Fabricated building stone, ornamental carved stone, altars, benches, crosses, and signage.	Free			~			
Ottavino Corp. — Granite 80-60 Pitkin Ave., Dept. TB Ozone Park, NY 11417 (212) 848-9404	Granite for buildings and monuments. Stone repair and replacement. Extensive experience in historic restoration of large religious buildings, and other large structures and monuments.	Free			~			



WRITE IN NO. 271





WRITE IN NO. 56



WRITE IN NO. 257





- Flag/Poles
- Crosses
- Renovations
- Whole Buildings
- Steeples

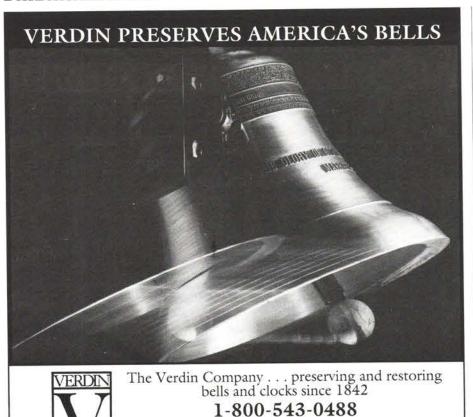
WBE Certified

- Lightning Protection
- Restorations
- · Pigeon Proofing
- · Reputable Repairs
- Special Heights and Situations · Fully Insured



## RADITIONAL BUILDING'S Source List For eligious Building EXTERIORS

COMPANY	SPECIALTY	Literature	Roofing	Ornamental	Stonework	Cast	Steeples	Other
Pasvalco 100 Bogert St., Dept. TB Closter, NJ 07624 (201) 768-2133	Special cut stone moldings, panels, and related fabricated stone products from limestone and brownstone. Will do exact matching of replacement stone for landmark buildings.	Free		Metal	~	Ornament		
Psaty Waterproofing Corp. 93 Worth St., Dept. TB New York, NY 10013 (212) 219-9494	Waterproofing contractor experienced in masonry restoration, roofing, and sheetmetal work. Also: Building cleaning, caulking, and painting.	Free	~	V	V			
Ranier Devido Stone & Marble 2619 New Butler Rd., Dept. TB New Castle, PA 16101 (412) 658-8518	Fabricated and carved stone products for new construction and replacement; have supplied stone for numerous church projects.	Free			~			
Richmond Precast Concrete P.O. Box 37099, Dept. TB Richmond, VA 23234 (804) 275-8262	Manufactures Hendricks reinforced concrete roofing tile, a premium hand-textured product that can simulate many other materials, including wood shakes. Acquires an attractive patina.	Free Write in No. 634	V					
Rising & Nelson Slate Co. Box 98, Dept. TB West Pawlet, VT 05775 800) 348-8820	Quarriers and producers of Vermont colored slate, including all types of roofing slate. Can provide replacement slate to match old roofs. Colors include red, unfading purple, variegated purple, unfading green, and many others.	Free Write in No. 286	~	٨				
Rogers Roofing Co. 251-1,2 Grove Ave., Dept. TB Verona, NJ 07044 (201) 744-0820	Complete general contracting and construction management for church restoration. Slate & tile roofs, custom copper work, gutters and leaders, metal roofs, waterproofing and masonry restoration.	Free Write in No. 746	~	~	~		~	
Carl Schilling Stoneworks P.O. Box 1005, Dept. TB Castleton, VT 05735 812) 468-5500	Supplies newly quarried brownstone in a warm reddish-brown hue. Available in veneer, cubic, and tile form. Has been used on numerous restorations as well as in new construction.	Free			V			
Skyline Engineers of MD 5405 Beall Dr., Dept. TB Frederick, MD 21701 301) 831-8800	Steeplejack company experienced in historic preservation: Structural repairs and timber frames, sheetmetal and slate, historic masonry consultants, millwork fabrication, gilding. Consult, design, fabricate, install.	Free Write in No. 347	~	~	~		V	Slate, gold leafing, bird proofing
Smith-Cornell 545 Holland Road, Suite O Maumee, OH 43537 800) 325-0248	Plaques and interpretive markers for National Register and other landmark properties. Custom plaques for other historic properties, memorials, and other special commemorations.	Free Write in No. 46		~				Plaques & markers
Texas Carved Stone RR 1, Box 2676, Dept. TB Florence, TX 76527 817) 793-2384	Fabrication of ornamental limestone: Carving, restoration, blocks for new construction. Altars, pulpits, carved exterior ornament. Carvers are capable of working in any period or style.	Free			~			
FileSearch P.O. Box 580, Dept. TB Roanoke, TX 76262 817) 491-2444	Maintains a computerized directory of largest inventory of used slate and clay tile for repairs, restorations, and additions. Also: New tile and slate; copper & stainless steel nails.	Free Write in No. 696	~					Copper & stainless steenails
Tri-State Painting Co. 312 Provost Rd., Dept. TB Fittsburgh, PA 15227 412) 882-3601	Steeplejacks with extensive experience in repair of historic churches: Structural repairs and timber frames, sheetmetal and slate, masonry repointed, millwork fabrication, gilding, painting, custom copper and stainless.	Free Write in No. 297	~	~	~		~	
Vande Hey-Raleigh Mfg., Inc. 665 Bohm Dr., Dept. TB ittle Chute, WI 54140 800) 236-8453	Extensive line of extruded concrete roofing tiles in 7 traditional patterns and 20 standard colors and textures. Custom work. Also has large inventory of recycled slate, concrete, and clay roof tiles.	Free Write in No. 284	~					
The Verdin Company 44 Reading Rd. Cincinnati, OH 45202 513) 241-4010	Since 1842 this firm has specialized in the supply, repair, and preservation of tower clocks, bells, and carillons. Also manufactures free-standing street clocks.	Free Write in No. 435					1	Tower clocks bells, and carillons
Vermont Slate & Copper Services 5C Gonyeau Rd., Dept. TB Milton, VT 05468 802) 893-7703	Provides slate roofing and a wide range of related copper and other metal items: Finials, weathervanes, gutters, snowguards, roof trim, and ornamental metalwork.	Free Write in No. 721	~	~				
S. Wagner Company 909 46th Ave., Dept. TB Iyattsville, MD 20781 801) 927-9030	Slate re-roofing and repairs; ornamental and roof- related sheet metalwork; steeplejack services; steeple repair & roofing; birdproofing with stainless steel wire systems.	Free Write in No. 307	~	~			1	Birdproofing systems sold & installed.
Vatson Bowman Acme Corp. 5 Pineview Drive, Dept. TB amherst, NY 14228 716) 691-7566	Manufactures the ProSpec line of masonry cleaners, water repellents, and paint strippers. Materials have been used extensively on large commercial and historic buildings.	Free Write in No. 320			~		1	Masonry restoration materials
Viedemann Industries ox 677, Dept. TB fuscatine, IA 52761 819) 263-6642	Manufacturer of FRP steeples, spires, baptistries, church lighting, and related ecclesiastical products. 14 stock steeple styles with 4, 6, or 8 sides.	Free Write in No. 751					•	Baptistries and lighting
ankee Steeplejacks 03 Assabet Ave., Dept. TB Concord, MA 01742 508) 369-9078	One-stop shop for repair of church exteriors, from complete steeple reconstruction and roof replacements to simple waterproofing and painting jobs.	Free Write in No. 348	~	~			. 1	Millwork repair and replacement
aleski Snow Guards 1 Alden St., Dept. TB Iew Britain, CT 06053 203) 225-1614	Snow-guard system for new or old roofs is designed to hold snow in place on steep roofs. Integral engagement feature allows installation on slate, tile, and fiber-cement shingles without nails.	Free Write in No. 349						Snow guard systems



Antique Builder's Hardware

WRITE IN NO. 435

The Verdin Company 444 Reading Road Cincinnati, Ohio 45202



Handmade in England since 1855 Iron • Armour • Brass • Bronze

Lever Handles • Ring Handles • Sliding Bolts · Coat Hooks · Push Plates · Keyhole Escutcheons • Gate Latches • Grilles • Switch Plates • Door Knobs • Hinges • Door Pulls • Windows Fittings . Cabinet Hardware . Letter Boxes • Knockers • Bell Pulls • Lamps

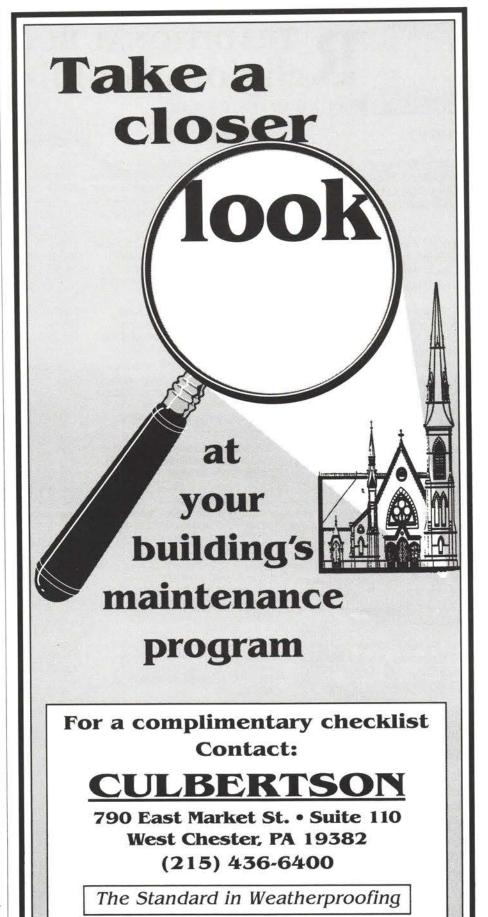
Compatible Locks and Latches with various backsets and functions

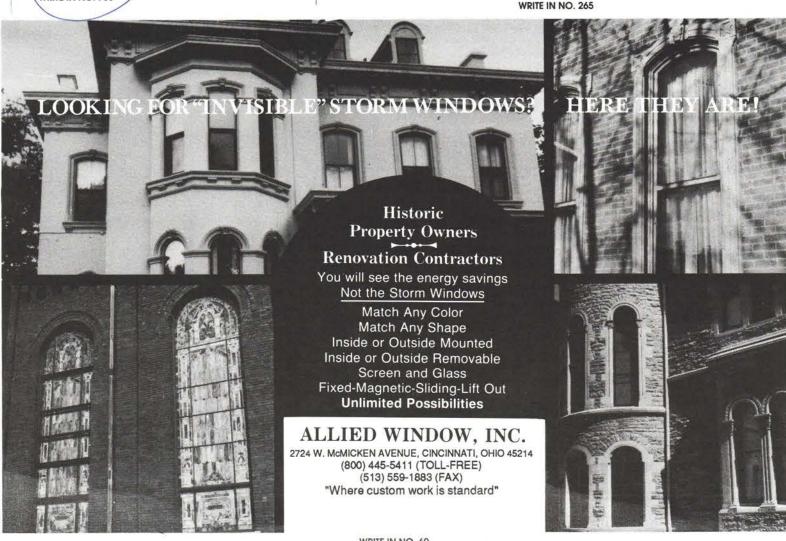
Illustrated 130 Page Catalog Free Folder \$15.00 sent by UPS

## Maguire Iron Corporation

1517 Goldfield, Dept. TB, Carson City, Nevada 89701 (702) 788-9544 or (510) 234-7569 • FAX (510) 232-7519

WRITE IN NO. 760



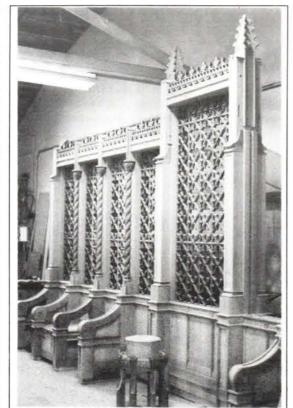




## Religious Building INTERIORS

COMPANY	SPECIALTY	Literature	Art Glass	Millwork	Carved Ornament	Molded Ornament	Lighting	Decorative Painting	Religious Furnishings	Other
Agrell & Thorpe, Ltd. 10 Liberty Ship Way, #4116 Sausalito, CA 94965 (415) 332-7563	Run by a British Master Carver, this studio has recently built and carved the huge Gothic screen and tabernacle for the Catholic cathedral in Salt Lake City. The company has worked on religious buildings all over the world.	Free Write in No. 92		~	~	~		<i>V</i>	✓ ✓	Sculpture
Allied Window 2724 W. McMicken Ave. Cincinnati, OH 45214 (513) 559-1212	"Invisible" aluminum storm windows for interior or exterior. Custom colors, special shapes, and special glazing materials are routine. Experienced in glazing for large openings.	Free Write in No. 69								Protective glazing
Antique Brass Works 290 Port Richmond Ave., Dept. TB Staten Island, NY 10302 (718) 273-6030	Complete fabrication of all interior lighting and ecclesiastical fixtures: Tabernacles, crosses, menorahs, and candlestick stands. Also, metal refinishing and replating.	Free Write in No. 350					~			Ornamen
Appleton Lamplighter P.O. Box 1434, Dept. TB Appleton, WI 54913 414) 739-9001	Fabrication, replication, and renovation of decorative lighting fixtures. Custom projects offering design and engineering assistance; standard options available.	Free		~			~			Ornamer metalwor
Architectural Components, Inc. 26 N. Leverett Rd., Dept. TB Montague, MA 01351 413) 367-9441	Specializes in custom reproduction windows, doors, doorways, moldings, paneling, and architectural millwork.	Free		~				7 10 1		
Architectural Matters 18744 Parthenia St., Dept. TB Northridge, CA 91324 818) 349-4282	Company specializes in duplicating and producing all wooden items designed by architects, designers, including hand-carved work.	Free		~	V					
Walter Arnold, Stone Carver 329 W. 18th St. #303, Dept. TB Chicago, IL 60616 312) 226-1141	Italian-trained carver and sculptor carves ornament and sculpture out of limestone and marble; interior or exterior.	Free			~					
Art Home Studios 14 Huron St., Dept. TB Brooklyn, NY 11222 718) 383-0603	Architectural sculptural studio casts molded ornament for interiors and exteriors in cast stone, plaster, FRG and FRP. Experienced on religious buildings.	Free Write in No. 643				V				
Authentic Designs, Inc. 7 The Mill Rd., Dept. TB V. Rupert, VT 05776 802) 394-7713	Makers of early American and Colonial lighting fixtures, hand crafted from American brass and Vermont maple.	Catalog \$3					~			
Ball & Ball Custom Lighting 163 W. Lincoln Hwy, Dept. TB Exton, PA 19341 215) 363-7330	Makers of highest quality custom lighting fixtures in authentic historical styles, from 18th through early 20th century. Many religious installations.	Free Write in No. 766					~			
Battleground Forge & Foundry 02 E. lake Dr., Dept. TB Greensboro, NC 27401 919) 272-0838	Metal casting and fabrication shop specializing in custom and restoration work. Crosses and other ornamental pieces available in bronze, brass, iron, and steel.	Free								Ornament metalwork
Beisser Glass 4 S. Seminary St., Dept. TB Galesburg, IL 61401 309) 343-8122	Custom-designed stained glass windows executed in a variety of styles. Autonomous panels; stained glass restoration services.	Free Write in No. 201	~							
Big D Metalworks 1002 Quincy St., Dept. TB Dallas, TX 75212 214) 638-8753	Custom architectural and decorative metalwork: Stairs, railings, gates, etc. Bronze, aluminum, stainless steel, hand-forged wrought iron.	Free Write in No. 603								Decorative metal
Bopas 0 Ipswich St., Dept. TB Boston, MA 02215 617) 236-4919	Interior decorative finishes: Marbleizing, murals, faux finishes, and many other types of decorative painting.	Free Write in No. 257						~		
airfield, IA 52556 800) 452-7796	stained glass windows. Hand- painted	Free Write in No. 769	v						1.0	Protective glazing
an Antonio, TX 78201	faceted, etched, stained, and leaded	Free Write in No. 605	~							
D128 Industrial Park N., Dept. TB Georgetown, TX 78628 512) 869-2830	ornamental metalwork in classic and	Free Write in No. 186								Ornament metalwork
furnham & LaRoche Assoc. 41-443 Fulton St., Dept. TB Medford, MA 02155 617) 395-5047	glass windows. Restoration and repair	Free Write in No. 258	V						(	Consulting
O. Box 822, Dept. TB outhington, CT 06489	Company is skilled in the execution of a wide variety of traditional painting	Free Write in No. 510						~		Religious murals

■ TRADITIONAL BUILDINGS ■



## **EXQUISITE HAND-CARVED WOOD**

The Catholic Cathedral, Salt Lake City. This workshop photograph shows a section of the 22 ft. Bishop's Screen in rift sawn white oak. The screen is 14 ft. high and partner to the 15 ft. high tabernacle. Gothic tracery crockets, cresting, hidden bees, and the little green men make this one of the most complex and detailed ecclesiastical projects carried out in recent years. Architects: Beyer, Blinder, Belle of New York for the Cathedral of the Madeleine.

For more information, contact:

### AGRELL and THORPE, LTD. BRITISH CLASSICAL CARVERS

10 Liberty Ship Way, Suite 4116, Sausalito, California 94965 Phone (415) 332-7563 Fax (415) 332-7570

WRITE IN NO. 92

## **JAHN RESTORATION MORTARS**

for the repair of masonry materials



■ Specially composed from a cement base to be physically compatible with the material for which it was made; sandstone or limestones, concrete, terra cotta plus several injection-grout mortars.

■ Each material is matched by use of proper size aggregate and coloring agent. Standard mixes are available for most masonry materials. Custom matches can be made when needed.

■ These materials contain NO harmful acrylics, polymers or metal compounds.

■ Tested through 1000 freeze/thaw cycles with no failures.

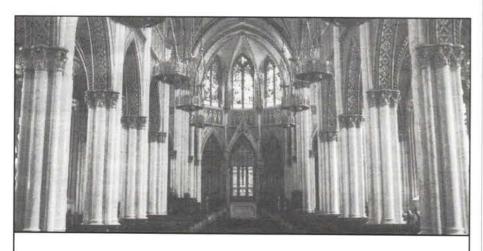
■ These mortars are mixed with water for use and applied with trowels or can be cast for unit replacement. No layering necessary, can be applied in any thickness.

Call or write for brochure, samples and reference list of projects.

CATHEDRAL STONE PRODUCTS, INC. 8332 Bristol Court #107 Jessup, MD 20794

Phone: (301) 317-4658 Fax: (301) 317-4670

WRITE IN NO. 380



MILTON • POUNDS • STUDIO SCAGLIOLA • RESTORATION

P.O. Box 1882 • Covington, LA 70434 (504) 893-5564

WRITE IN NO. 285



- Available in a variety of colors and textures
  - Tested to resist winds of up to 150 MPH
    - Transferable 50 year warranty
      - Made from fibrous cement
        - Lightweight yet strong
          - Zero flame spread
            - Easy to install



Over 50 Years of Excellence
For complete product specifications, contact
FibreCem Corporation
P.O. Box 411368 • Charlotte, N.C. 28241
Toll Free Telephone (800) 346-6147

## Religious Building INTERIORS

COMPANY	SPECIALTY	Literature	Art Glass	Millwork	Carved Ornament	Molded Ornament	Lighting	Decorative Painting	Religious Furnishings	Other
Chautauqua Woods 183 E. Main St., Dept. TB Fredonia, NY 14063 (716) 679-7720	Custom woodworking shop with extensive background in furniture-making creates doors, entries, and other architectural elements with furniture-grade quality.	Free Write in No. 965	V	V	V	Ornament		Painting	rurnisnings	
Church Services Rest. Contractors 7312 Old Harford Rd. Baltimore, MD 21234 (800) 435-6707	Interior and exterior church restoration, including plastering, painting, waterproofing, granite, brownstone, gutters and leaders and related work; Mid-Atlantic and Florida regions.	Free Write in No. 324		V	~	V		V	~	Also exterior restoration
Tom Ciesla & Assoc. 648 Guerrero St. , Dept. TB San Francisco, CA 94110 (415) 621-7190	Company is skilled in all decorative painting techniques, for both restoration work and the design and execution of new work.	Free						V		
Cincinnati Artistic Wrought Iron Work 2943 Eastern Ave., Dept. TB Cincinnati, OH 45226 (513) 321-5429	Offers complete line of votive stands, candelabras, plant stands, and fonts. Company has been doing custom church appointments, baptismal gates, and lightning rods since 1894.	Free							V	Ornamenta metalwork
Colonial Castings 15301 N.W. 34th Ave. Miami, FL 33054 (305) 688-8901	Company makes interior and exterior lighting fixtures, as well as cast and fabricated items, such as aluminum lace panels, railings, newels, gates, and furniture.	Free Write in No. 261					~			Ornamenta metalwork
The Composition Group 17 4th Ave., Dept. TB Nyack, NY 10960 (914) 358-5546	Restoration and replication of decorative details: Woodworking, plaster, faux finishes, stenciling, mural painting, and trompe l'oeil.	Free						V		
Coventry Glassworks 514 W. College Ave. Appleton, WI 54911 (800) 892-4610	While the focus of this company is art glass (leaded, stained, and etched), it also coordinates church restorations, including design, furnishings, painting, and architectural metalwork.	Free Write in No. 262	V					V	~	Protective glazing
DMS Studios 5-50 51st Ave., Dept. TB Long Island City, NY 11101 (718) 937-5648	Studio with wide-ranging capabilities, including intricate hand-carved sculpture and architectural ornaments, molded ornaments, and metal smithing.	Free Write in No. 910			V	V			~	Sculpture
Decorators Supply Co. 3610-12 S. Morgan St. Chicago, IL 60609 (312) 847-6300	Country's largest selection of stock patterns and molds in a large variety of historic styles. 14,000 medallions, brackets, grilles, etc., available in plaster and compo.	Complete set of catalogs: \$25				~				
Designs in Tile P.O. Box 358, Dept. TB Mt. Shasta, CA 96067 (916) 926-2629	Custom art tile studio produces mosaics, custom hand-painted tile, and tile mural insets.	Free Write in No. 25				~				Ceramic til & mosaics
Durhan Studios, Inc. 330 Eagle Ave., Dept. TB W. Hempstead, NY 11552 (516) 481-5656	Produces stained glass windows from concept to installation; does repairs and restorations, new frames, protective material, repairs to wood frames. Emergency service available.	Free Write in No. 266	~	9)						Protective window covers
European Art Glass 34H Janis Way, Dept. TB Scotts Valley, CA 95062 (408) 438-8044	European-trained studio specializing in stained and painted glass windows of exceptional quality, both traditional and contemporary designs. Restoration services. Professional glass painters.	Free Write in No. 335	~					~		Protective window covers
Executive Woodsmiths, Inc. 215-V Foster Ave., Dept. TB Charlotte, NC 28203 (704) 527-9090	Custom woodwork; moldings (from your patterns or theirs), classically proportioned door entries, paneling, pilasters, and other architectural elements.	Free Write in No. 932		~					v	
Ewing Restorations 3068 E. Maple Ave. Burlington, NC 27215 (919) 228-8022	Restoration of flat plaster and molded plaster ornament; scientific analysis and recreation of historic plaster; reattachment of loose plaster.	Free Write in No. 238				~				Plaster restoration
Fitzgerald & Foy, Inc. 4712 S.W. 74th Ave., Dept. TB Miami, FL 33155 (305) 261-4127	Decorative painting company offering preservation, restoration, and recreation of historic paint detailing. Design and fabrication of original artwork, including murals, trompe l'oeil, and faux finishes.	Free Write in No. 336						~		
Gaytee Stained Glass 2744 Lyndale Ave. S. Minneapolis, MN 55408 (612) 872-4550	Company offers a spectrum of services and techniques, including glass painting, sandblasting, faceting, and custom design — both traditional and contemporary.	Free Write in No. 508	~							
Gil Studio 262 Mott St.—#203, Dept. TB New York, NY 10012 (212) 219-8620	Studio with extensive experience in restoration of art glass windows in landmark buildings. Skills include cleaning, replicating, releading, and protective glazing.	Free Write in No. 268	~			•				Protective glazing
Golden Age Glassworks 339 Bellvale Rd., Dept. TB Warwick, NY 10990 (914) 986-1487	Designer-manufacturer of leaded and stained glass windows, lampshades, and architectural pieces in many styles. Extensive restoration experience. Also: Antique glass.	Free	~							
Karen Hendrix & Associates 907 NW 20th St., Dept. TB Oklahoma City, OK 73106 (405) 524-2147	Primary focus is art glass (leaded, stained, and etched). However, it also coordinates church restorations, including design, furnishings, painting, and metalwork.	Free Write in No. 271	~					~	~	Protective glazing



New & Salvaged Tile and Slate Roofing

- All colors all shapes
- Quantities for small repairs or large projects
- No fee for listing
- Nation's largest computerized listing and selling service

## **TileSearch**

Tel: (817) 491-2444 FAX: (817) 491-2457 P.O. Box 580 Roanoke, Texas 76262 Ask for Melvin Mann

TM • Registered Trademark

WRITE IN NO. 696

## We Specialize In Caring For God's House

Throughout the ages God's house has stood as a symbol: of strength, of beauty, of faith itself. As general contractors, Church Services plays a major role in restoring such buildings to their original splendor, and to insure an environment that will meet your specific needs.

- Interior & Decorative Painting Stained Glass Preservation & Repair
- Roofing & Scaffolding Exterior Painting & Tuckpointing
- General Construction

We Specialize In Caring For God's House



CHURCH SERVICES
RESTORATION CONTRACTORS, INC.
7312 Old Harford Road Baltimore, MD 21234 410-444-7616

WRITE IN NO. 324

### QUALITY RESTORATION SERVICES



## Beisser Glass

54 S. Seminary Street Galesburg, Illinois 61401 (309) 343-8122

WRITE IN NO. 201

## **BROWN** STAINED GLASS STUDIO

CHURCHES . COMMERCIAL . RESIDENTIAL \*

Our capabilities include: Designing • Restoring • Beveling Construction • Custom Etching 100% Custom

> (210) 734-2653 910 San Francisco Street San Antonio, TX 78201

> > WRITE IN NO. 605

## Fabrication For Historic Preservation

Entire Shop-Fabricated Steeples, Cupolas & Domes Full Range Of Restoration And Construction Services

## CRAFT SPECIALISTS: Traditional timber framing Laminated timber structures · Restoration millwork Structural steel Forged ironwork StoneworkFlat and spun copperwork Roofing systems Pattern & moldmaking Fiberglass layup Metal & polymer casting Gold leaf · Epoxy systems

✓ Survey, documentation and design for conservation or replication of historic structures.

✓ Shop fabrication and assembly for finest quality work. Delivery of assembled components

reduces site labor and site disturbance.

✓ Expert analysis of existing conditions and specification of conservation methods.

 Expert rigging and installation.

✓ In-house capacity in all restoration crafts.

✓ Experienced in framing systems for towers, clocks, weathervanes and finials, tower bells and carriages, and balustrades.

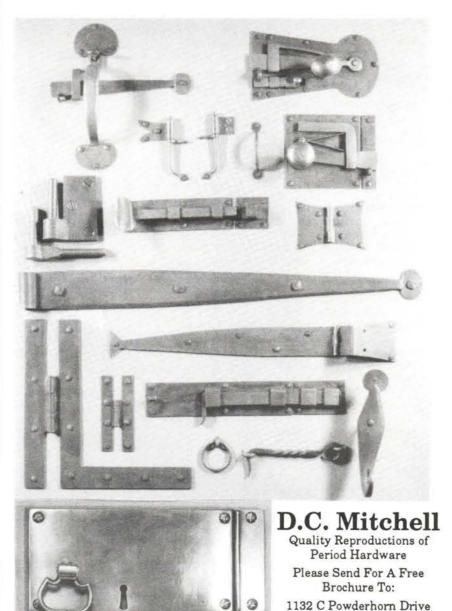
We handle small jobs as well as large structural systems. Call for a quote on your project.

## ARCHITECTURAL TIMBER & MILLWORK

35 Mt. Warner Road, Hadley, MA 01035 (413) 586-3045 FAX (413) 586-3046

WRITE IN NO. 329

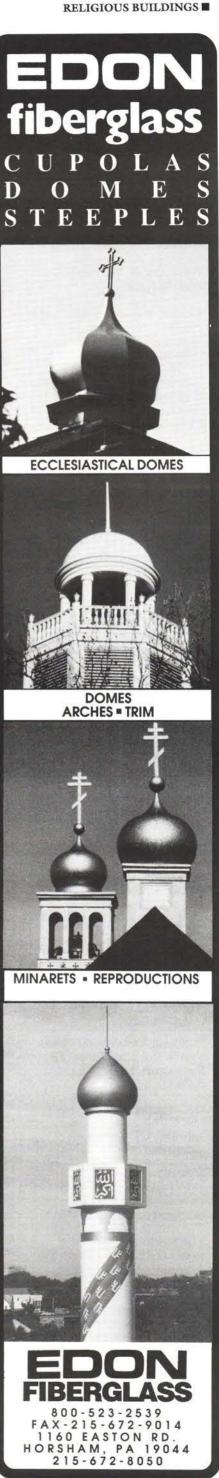
## D.C. Mitchell

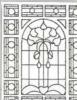


WRITE IN NO. 280

Newark, DE 19713

Phone (302) 998-1181





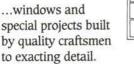
## Raditional Building's SourceList For eligious Building INTERIORS

COMPANY	SPECIALTY	Literature	Art Glass	Millwork	Carved Ornament	Molded Ornament	Lighting	Decorative Painting	Religious Furnishings	Other
High Point Glass & Decorative Co. P.O. Box 101, Dept. TB High Point, NC 27261 (919) 884-8035	Producer of church windows since 1906; also a distributor of fiberglass steeples and baptistries.	Free	~					Ö	8	
Historical Arts & Casting P.O. Box 35, Dept. TB West Jordan, UT 84084 (801) 974-0242	Custom foundry casts lighting fixtures, railings, and other architectural elements in bronze, aluminum, and iron. Design service; also restores major cast-metal lighting fixtures.	Free Write in No. 121					~			Ornamenta metalwork
Kinnari-Silberman Restoration 156 Fifth Ave., Suite 324 New York, NY 10010 (212) 229-0703	Full-service decorative arts studio offers all traditional plaster restoration, decorative painting, stencilling, faux finishes, mural, gilding, conservation and restoration capabilities.	Free Write in No. 143				V		V		
Kayne & Son Custom Hardware 76 Daniel Ridge Rd. Candler, NC 28715 (704) 667-8868	Interior, exterior hinges, latches, and other door & window hardware. Reproductions, repairs, restoration in forged steel, brass, copper, cast brass or bronze crosses, Stars of David, candelabras, etc.	Catalog \$4							V	Hardware; ornamental metal
Kivett's, Inc. P.O. Box 590, Dept. TB Clinton, NC 28328 (800) 334-1139	Major manufacturer of pews, chancel furniture, and FRP steeples. Refinishes existing pews. Steeple installation, repair, and painting.	Free							~	Steeple wor
Gary Koeppel Studio 258 Chestnut Ave., Dept. TB Jamaica Plain, MA 02130 (617) 522-3051	Decorative painting studio offering faux finishes, gold leaf, stencilling, and wood graining.	Free						V		
J&R Lamb Studios, Inc. P.O. Box 291, Dept. TB Philmont, NY 12565 (518) 672-7267	100-year-old studio designs and installs new stained glass, and offers restoration services. Also provides decorative painting services, and fabrication of furnishings.	Free	V					~	~	Protective window coverings
Lynchburg Stained Glass Co. P.O. Box 4453, Dept. TB Lynchburg, VA 24502 (804) 525-6161	Studio specializes in restoration of old stained glass (releading, and exact matching of broken pieces). Also produces new stained glass windows, frames, and protective exterior glazing.	Free	~							
Peter Macartney 608 Spear Ave., Dept. TB Duluth, MN 55803 (218) 724-5307	Hand woodcarvings in the European tradition. Custom moldings, alters, furniture, pipe organ shades, doors, sculpture, etc., in classical styles.	Free		~	~				~	
McClelland & Duff 12300 S. Beyer Rd., Dept. TB Birch Run, MI 48415 (517) 624-9361	Architectural woodwork, including windows, doors, paneling, trim casework; repair and restoration of windows and doors.	Free		~						
Maguire Iron Corp. 215 22nd Street, Dept. TB Richmond, CA 94801 (510) 234-7569	Antique reproduction hardware. Carries over 1,000 pieces for door, window, cabinet, and gate hardware; 150 matching locks and latches.	Free Write in No. 760								Reproduction hardware; locks
Melotte-Morse Stained Glass 213 South 6th, Dept. TB Springfield, IL 62701 (217) 789-9515	Custom new stained glass commissions; complete restoration and conservation services. Sandblasting and storm glazing also available.	Free	~							
Mezalick Studios 640 W. Washington St. Norristown, PA 19401 (215) 279-9803	General restoration studio doing art glass (stained, etched, and beveled), ornamental plasterwork, and decorative painting and finishes.	Free	~			~	~	~		
Midwest Arch. Wood Prods. 1051 S. Rolff St., Dept. TB Davenport, IA 52802 (319) 323-4757	Specializes in custom reproduction windows, doors, doorways, moldings, paneling, and architectural millwork.	Free Write in No. 146		~						
D.C. Mitchell 1132C Powderhorn Dr. Newark, DE 19713 (302) 998-1181	Authentic reproduction period door and shutter hardware, including box locks, strap hinges, shutter tie backs, etc.	Free Write in No. 280								Reproduction hardware
Matthew J. Mosca 2510 Talbot Rd., Suite G Baltimore, MD 21216 (410) 466-5325	Historic paint research and lab analysis. Preparation of specs for execution of research projects. Consultation on cleaning and conservation of special architectural finishes.	Free						~		Paint analysis
The Neely Studio 99 Blackstrap Rd., Dept. TB Falmouth, ME 04105 (207) 878-2196	Art glass studio offers custom work, repair and restoration, and consultation services (condition reports, material specifications, project management and inspections.)	Free	~							
A. Oktavec & Son of Baltimore 1322 Goose Neck Rd. Baltimore, MD 21220 (410) 335-3737	Specializes in church restoration: Decorative painting and finishes (gold leaf, stenciling, marbleizing, etc.), art glass, furnishings refurbished, floors refinished. Also restores and cleans masonry.	Free Write in No. 281	~	~			~	~	~	Masonry restoration
Edward K. Perry Co. 53 Plain St., Dept. TB Braintree, MA 02184 (617) 849-9810	135-year-old decorative painting company specializes in historic restorations, residential, commercial, religious, and institutional projects. Skilled in all traditional painted finishes.	Free Write in No. 144	55					~		
Perry Stained Glass 470 Front St. N., Dept. TB Issaquah, WA 98027 (206) 392-1600	Traditional and contemporary design, fabrication and repair of stained glass windows. Company has extensive experience with religious buildings.	Free Write in No. 283	V							Protective window coverings

TRADITIONAL BUILDING



...windows and



Competitively priced. Fast turnaround FAX us your specs for a quote.





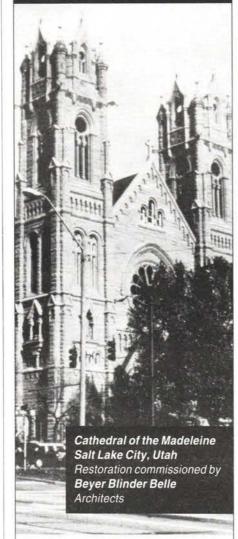
1051 S. Rolff St. Davenport, IA 52802 319/323-4757 FAX 319/323-1483

WRITE IN NO. 146



WRITE IN NO. 37

## For the finest ecclesiastical or commercial stained glass...



The construction world prefers our skills and artistry. The pre-eminent source for imaginative creation and restoration.



Call for more information and to receive our demonstration

783 South 3rd Avenue Mt. Vernon, N.Y. 10550 (914) 699-4848 (212) 823-4545 Fax (212) 823-4717

WRITE IN NO. 624

212 · 219 · 8620

Stained and Leaded Glass

**FABRICATION** 

RESTORATION

DESIGN

262 Mott Street #203 · New York, NY 10012

WRITE IN NO. 268

WE'VE BEEN MAKING STAINED GLASS WINDOWS FOR NEARLY AN ETERNITY

NEW WINDOWS — REPAIRS & RESTORATIONS



Since 1902, Durhan Studios has been designing, creating, installing, and restoring stained glass windows and frames. Call us with your ideas, or if you'd simply like to see our brochure.

Durhan Studios, Inc. 330 Eagle Ave., West Hempstead, NY 11552 (516) 481-5656 Fax (516) 481-3083

WRITE IN NO. 266

## A. Oktavec & Son Of Waltimore



## RESTORATION, PAINTING & DECORATING OF CHURCHES AND CHAPELS

- Interior & Exterior 23k Gold Leafing
- Wood Carvings Refinished & Oiled Beautiful Murals
- Leaded Glass Windows Cleaned, Fabricated and Repaired
  - Water Blast Cleaning Repointing & Water Sealing
    - Trompe l'oeil Painting Expert Stenciling
  - Old Statues Refinished
     New Crib Sets for Christmas

## GENERAL CONTRACTORS

No Job Is Too Large or Small Estimates Cheerfully Given - No Obligation

1322 Goose Neck Road / Baltimore, MD 21220

(410) 335-3737 CHRIS

WRITE IN NO. 281

Custom Window & Door Specialists

## Do You Have An Opening For Us?

Wood Window Workshop will fit it — with one of our custom-built or production windows or doors.

Whether the job is new construction, remodeling, or restoration, our custom-crafted products enhance a building's special character. Look to Wood Window Workshop for everything from full circles to geometrics, Gothic arches to squares.

At the Wood Window Workshop, we're driven by SERVICE. That means placing a high priority on site visits, surveys, photo records, precise design and specifications, and complete and accurate shop drawings and submittals.

There's lots more to our quality story. Call or write to see how we can work for you.



839 Broad St., Utica, NY 13501 (315) 732-6755 FAX (315) 733-0933 1-800-724-3081





## Religious Building INTERIORS

COMPANY	SPECIALTY	Literature	Art Glass	Millwork	Carved Ornament	Molded Ornament	Lighting	Decorative Painting	Religious Furnishings	Other
Pittsburgh Stained Glass 160 Warden St., Dept. TB Pittsburgh, PA 15220 (412) 921-2500	Restoration of Tiffany, La Farge, & other historic windows. Custom-designed stained, beveled, and faceted glass windows.	Free	V						3	
Pounds Studios 323 Magnolia Lane, Dept. TB Covington, LA 70433 (504) 893-5564	Company offers: Stained glass, scagliola, sculpture, mosaics, and marble liturgical works.	Free Write in No. 285	V		~				V	Scagliola
Prisms Art Glass Studio 13967 Hollowgreen Dr. Houston, TX 77082 (713) 531-8551	Design-manufacturer of leaded and stained glass windows, entryways, and architectural pieces in many styles. Extensive restoration experience. Also produces Tiffany reproduction lamps.	Free Write in No. 346	V							
Prof. Stained Glass Guild P.O. Box 69, Dept. TB Brewster, NY 10509 (914) 279-7399	Traditional and contemporary stained and other art glass by over 9000 member studios nationwide. Call for names of the studios nearest you.	\$5 for full- color idea book	V							Studio referral service
Reggio Registers P.O. Box 511, Dept. TB Ayer, MA 01432 (508) 772-3493	Manufactures a complete line of traditionally designed decorative castmetal grilles and registers. Will also make custom castings.	Free Write in No. 581								Cast-metal grilles and registers
Ricketson Woodwork 100 Bidwell Rd., Dept. TB S. Windsor, CT 06074 (203) 289-1222	Designs, fabricates, and installs new or restoration millwork. Custom moldings, carvings, and special finishes in all wood species available.	Free		~						
Robinson Flagstones, Inc. P.O. Box 208, Dept. TB Fort Washington, PA 19034 (215) 646-3500	Specializes in Pennsylvania Blue Stone flooring, sills, thresholds, treads, wall copings, etc. Offers design service with stone cut to numbered shop drawings.	Free Write in No. 979			~					Natural stone pavin for interior 8 exterior
Rohlf's Stained/Leaded Glass Studio 783 South Third Ave., Dept. TB Mt. Vernon, NY 10550 (914) 699-4848	Studio has been in business for over 70 years, producing and conserving stained, leaded, and faceted glass windows nationwide. Steel casement and insulated leaded glass available.	Free Write in No. 624	V							
Sepp Leaf Products, Inc. 381 Park Ave. S., Dept. TB New York, NY 10016 (212) 683-2840	Company supplies: Gold leaf in booklets and rolls, gold leaf oil sizes, Kohner burnishing clays for water gilding, and imitation gold and aluminum leaves and rolls.	Free Write in No. 288								Gold leaf & other gilding products
Paolo Spano Studio 171 Sullivan St., Dept. TB New York, NY 10012 (212) 677-2211	European-trained fine artist offering a variety of skills: Fresco painting, decorative finishes, sculpture, mosaics, millwork, and art glass.	Free	V	V		~		V		Mosaics
Stelz Studios 98 Stanton Station Rd., Dept. TB Flemington, NJ 08822 (908) 806-7023	Studio produces fine leaded-glass windows, mosaic panels, lighting fixtures, ceilings and screens in the styles associated with Tiffany and La Farge. Restoration of leaded glass windows.	Catalog \$5 Write in No. 255	~							
St. Louis Antique Lighting Co. 801 N. Skinner, Dept. TB St. Louis, MO 63130 (314) 863-1414	Company produces antique lighting fixtures, including Victorian chandeliers. Custom design and restoration services available.	Free					~			
Steptoe & Wife Antiques, Inc. 322 Geary Ave., Dept. TB Toronto, Ont., Can. M6H 2C7 (416) 530-4200	Restoration of architectural metalwork; custom castings, metal fabrications in iron, stainless steel, brass, and bronze.	Free Write in No. 47								Ornamenta metalwork
Sunburst Stained Glass Co. 20 W. Jennings, Dept. TB Newburgh, IN 47630 (812) 853-0460	Custom stained glass works, including hand-painted and fired pieces. Restoration and replication services.	Free Write in No. 292	V							
Swanson Stained Glass Studio P.O. Box 405, Dept. TB Mill City, OR 97360 (503) 897-2929	Specializes in complete art glass restoration work, new fabrication, glass painting, structural corrections, and slab glass design and fabrication.	Free Write in No. 295	~							Protective window coverings
M. Swift & Sons, Inc. 10 Love Lane, Dept. TB Hartford, CT 06141 (203) 522-1181	Manufactures gold leaf and other precious metals in booklets and rolls.	Free Write in No. 249								Gold leaf and other precious metals
Valley City Mfg. Co. 1051 Clinton St., Dept. TB Buffalo, NY 14206 (416) 628-2255	Millwork company specializing in producing church furnishings such as wood pews or upholstered pews, and architectural woodwork. In-house design available.	Free		V	~				V	
White Oak Forge, Ltd. P.O. Box 341, Dept. TB The Plains, VA 22171 (703) 253-5269	Shop uses hot-forging and traditional joinery methods to produce iron gates, railings, handrails, furniture, light fixtures, etc. Brass, copper, and bronze work also available.	Free flyer; catalog \$5.					~		~	Ornamenta metalwork
Willet Stained Glass Studios 10 E. Moreland Ave., Dept. TB Philadelphia, PA 19118 (800) 533-3960	This large, 100-year-old company has extensive experience in producing stained glass for liturgical and institutional buildings. It offers stained, leaded, faceted, and sculpted glass.	Free Write in No. 323	V							
Wood Window Workshop 839 Broad St., Dept. TB Utica, NY 13501 (315) 732-6755, (800) 724-3081	Restoration, repair, and replacement of wood windows and doors. Related custom millwork. Experienced with large wood window projects that are typically encountered on religious buildings.	Free Write in No. 964		V						



Jack Hassler C

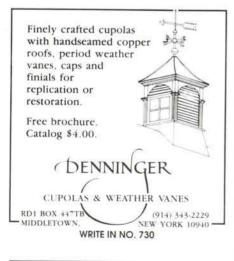
~ Established 1900 ~

1619 West Thompson St. Philadelphia, PA 19121

## (215) 765-3808 (215) 236-1280

- Steeple and Dome Inspections and Repairs
- Crosses Repaired, Installed and Gold Leafed
- Unusual Structures a Specialty
- Brick and Stone Pointing
- Cornice Repairs and Painting
- Exterior Cleaning and Birdproofing
- Emergency Insurance Repairs

WRITE IN NO. 269



## Stone Carving

 Custom Work • Fireplaces
 Ornament • Lettering • Complex Moldings • Statuary • Portraits



Skilled Europeantrained sculptor provides stone services to architects, designers and contractors. Reproductions in Marble, Limestone, or Bronze.

DMS STUDIOS 5-50 51st Avenue Long Island City, NY 11101 (718) 937-5648

WRITE IN NO. 910

## BOVARD STUDIO



BOVARD STUDIO WORKMEN ON A SCAFFOLDING DECK 50-FEET HIGH, RESTORING STAINED GLASS AT ST. MARY OF THE ANGELS IN CHICAGO, THE NEW U.S. HEADQUARTERS FOR OPUS DEI.



REPLACEMENT WINDOW CREATED FOR ST. MARY OF THE ANGELS IN CHICAGO. THE ORIGINAL FELL 60 FEET, SHAT-TERING BEYOND REPAIR.

BOVARD STUDIO INC. PROVIDES FULL SERVICE STAINED GLASS RESTORATION AND NEW STAINED GLASS IN HISTORIC AND MODERN STYLES. BOVARD STUDIO'S GREAT ARTISTS RECREATE THE GRAND HISTORIC STYLES, AS WELL AS DESIGNING TOMORROW'S MASTER WORKS.

PLEASE CALL **800-452-7796** FOR MORE INFORMATION OR WRITE TO US DIRECTLY.

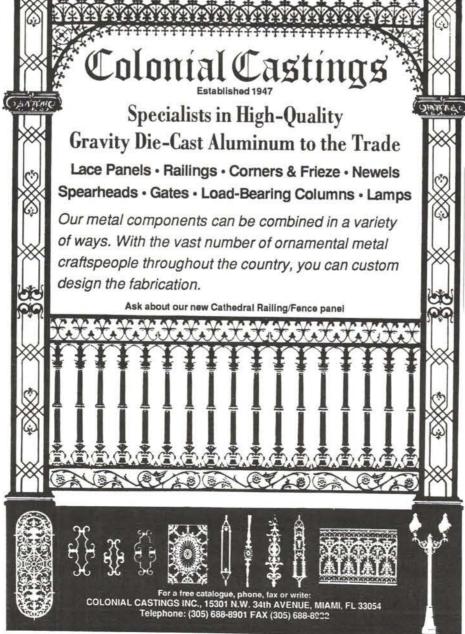


DETAIL OF 10-FOOT X 20-FOOT RECREATED ST. ANTHONY WINDOW PICTURED ABOVE.

BOVARD STUDIO INC.

52 EAST BRIGGS • FAIRFIELD • IOWA • 52556

WRITE IN NO. 769



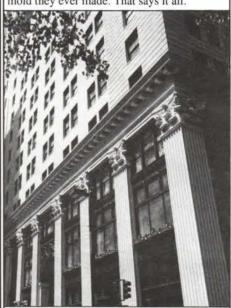
WRITE IN NO. 261

## POLYGEL® MOLD

IS THE <u>BEST</u> MOLD WE EVER MADE."

...Russ Vieder, principal American Architectural Art Co., Adamstown, PA

Recently, Matt Axel and Bob Matthias of Edon Corp. in Horsham, Pa. restored the facade of Philadelphia's renown Widener Building with Russ Veeder. They used fiberglass parts made in Polygel Rubber molds from Polytek's liquid rubbers. These nationally recognized Master Moldmakers say the Polytek materials produced the best mold they ever made. That says it all.



Restored facade of Widener Building. Capitals and horizontal ornamentation were made of fiberglass reinforced polyester resin in Polytek Rubber Molds.

Polytek's Patented Polygel self-thickening liquid rubbers for brush-on molds feature:

- Exceptional detail reproduction.
- Ease of use. 1:1 two-part mix.
- High tear resistance; Can be fabric reinforced.
- Cost efficiency. Brush-on molds use less rubber.
- Expert technical support from Polytek.



"After casting 10 large fiber-glass parts, the mold was in such good condition we could have made 50 more." The 8 ft. by 7 ft. corinthian column capitals have 24 inch undercuts.

Polytek has a complete line of moldmaking materials. For our New Moldmaking Catalog and Manual that can answer all your moldmaking needs and a case history of the Widener Building restoration call (908) 534-5990, or write today.

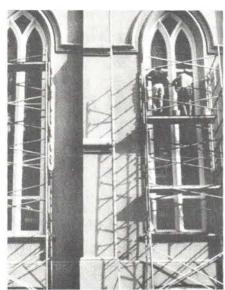
## Polytek

P.O.Box T384, Lebanon, NJ 08833 (908) 534-5990 Fax (908) 534-5190

The One Source for Moldmaking Materials

## RELIGIOUS BUILDINGS PORTFOLIO

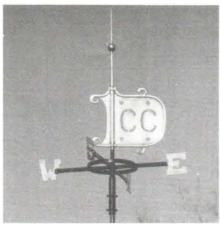
For more information on these companies, consult the SourceLists on pp. 10-22.



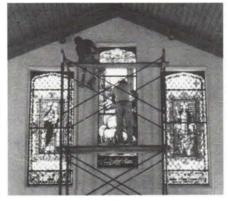
J&R LAMB STUDIOS installed energy-conserving protective glazing on Trinity Episcopal Church in New Orleans.

ZALESKI snow guards, fitted to section of slate roof on left, success –

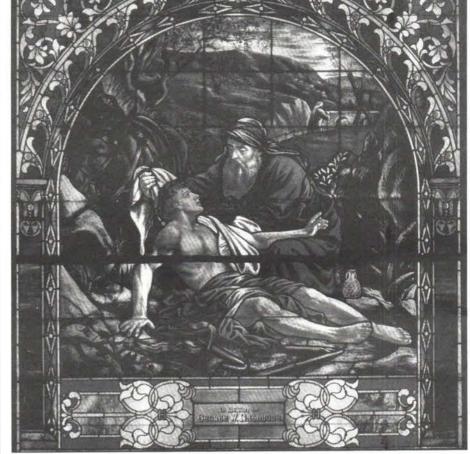
fully hold snow in place, preventing destructive avalanches. Write in No. 349



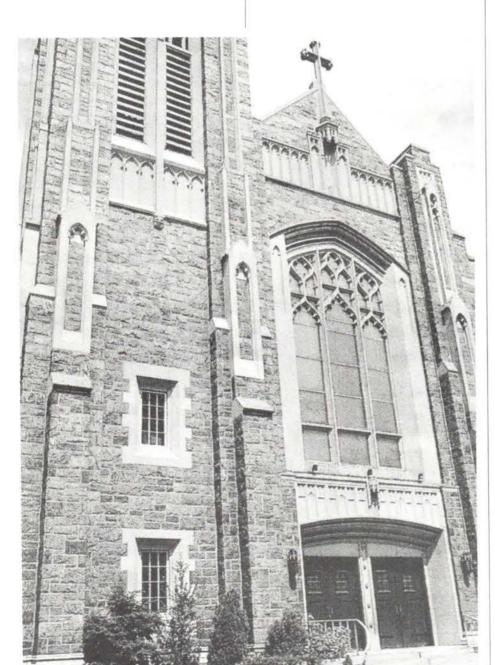
This replication of the 110-year-old banner atop Christ Church in Pelham, N.Y. was handcrafted by DENNINGER CUPOLAS & WEATHER VANES. Write in No. 730



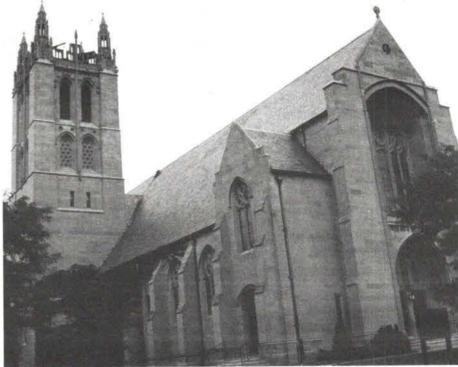
Craftspeople from BURNHAM & LaROCHE install three restored stained glass windows with new frames and protective Lexan glazing in the Greenwood Union Church, Wakefield, Mass. Write in No. 258



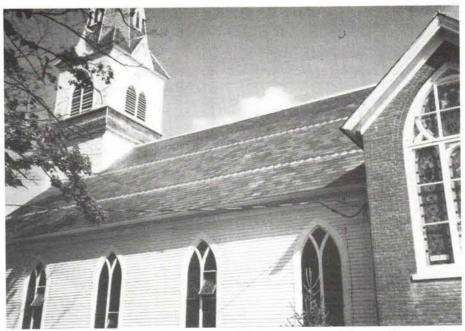
A complex antique stained glass window restored by SUNBURST STAINED GLASS CO., which also executes new work in a variety of styles. Write in No. 292



FLEETSTAR CORP. carried out the masonry restoration and waterproofing on this neo-Gothic Church. Write in No. 267

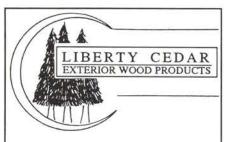


VERDIN — the major supplier of cast bells, carillons, and electronic carillons — furnished the carillon for the House Of Hope, St. Paul, Minn. Write in No. 435



What would otherwise be a bland expanse of roof is given architectural interest by two bands of slates of different color and shape. Slate supplied by EVERGREEN SLATE CO. Write in No. 713 continued on page 26





WESTERN RED CEDAR
DOUGLAS FIR
REDWOOD • CYPRESS
MAHOGANY

Roofing • Siding • Decks • Trim

ROOFING FOR HISTORIC PROJECTS A SPECIALTY

HIP & RIDGE CAP STOCK & CUSTOM FANCY CUTS

CUSTOM ORDERS WELCOME

535 LIBERTY LANE WEST KINGSTON, R.I. 02892 800-88CEDAR 401-789-6626



WE SUPPORT SUSTAINABLE & RENEWABLE RESOURCE MANAGEMENT



WRITE IN NO. 653

### BURNHAM & LAROCHE STAINED GLASS STUDIO

**SINCE 1895** 

- ★ DESIGN ★
- ★ FABRICATION ★
- \* RESTORATION & REPAIR \*
- ★ WINDOWS & LAMPSHADES ★
  - ★ INSTALLATION OF PROTECTIVE COVERINGS ★

441-443 FULTON STREET MEDFORD, MA 02155 (617) 395-5047

WRITE IN NO. 258

## The Roof That Never Wears Out RISING & NELSON SLATE CO.,INC.

founded 1869

- Quarriers and producers of natural colored Vermont slate
- Precise control of color & quality
- Almost any quantity or color
  Specialists in Roofing Slate
- Box 98, Rt. 153 West Pawlet, Vermont 05775 (800) 348-8820

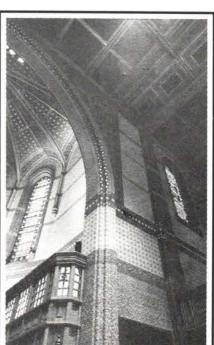
WRITE IN NO. 286

# DECORATIVE G L A S S Gaytee Stained Glass, Inc. offers

Gaytee Stained Glass, Inc. offers a full spectrum of services: Designing windows; glass painting; a variety of specialized techniques including leaded, faceted, beveled, etched and sandblasted glass, as well as repair and restoration.



WRITE IN NO. 508



Battell Chapel at Yale University

## HISTORICAL PAINTING

Special expertise in painting and restoring religious buildings
Gold Leafing • Glazing
Stencilling • Marbling
Graining • Trompe L'oeil
Murals • Conservation
Restoration

## TO DISCUSS YOUR PROJECT CONTACT JOHN CANNING

P.O. Box 822 Southington, CT 06489 (203) 621-2188/FAX (203) 621-2188



WRITE IN NO. 510

## Vermont Slate & Copper Services, Inc.

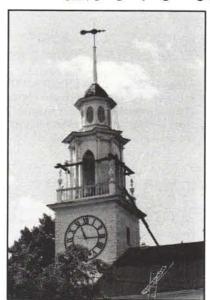
Restoration of slate and copper roofs.
Fabricators of custom finials,
weathervanes, and roof ornaments.
Consultants for slate, tile,
and copper roof projects.
Suppliers of new and used roofing slate.



Box 55-C Gonyeau Rd. Milton, Vt. 05468 *Contact:* Brian or Larry Stearns 802-893-7703 / Fax 802-893-1143

WRITE IN NO. 721

## Our work rises above the rest.



At Harraseeket Roofing we specialize in the design, repair and installation of slate, tile, and copper roof systems and their related architectural details. Because of our experience with churches and complete steeple restoration, our work truly does rise above all the rest.

We are not simply roofing contractors, we offer a complete structural assessment and consultation service, restoration research and maintain one of the largest inventories and matching services for slate and tile.



HARRASEEKET ROOFING & RESTORATION

Historic Restoration Specialists since 1910

P.O. Box 221 South Freeport, Maine 04078 800-675-4428

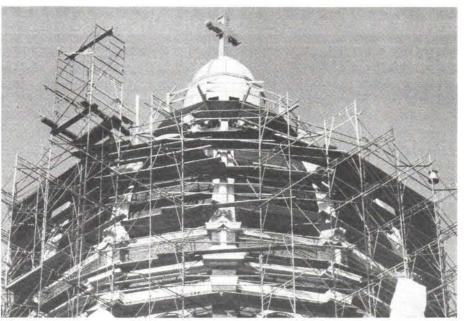
## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceLists on pp. 10-22.

Continued from page 24



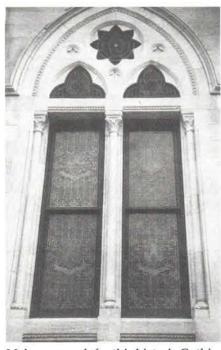
After reinstalling the cross that had been removed for gold leafing, a worker from JACK HASSLER CO. paints the cornice atop the steeple to complete the job. Write in No. 269



BOVARD STUDIO replaced the protective glazing on the Twelve Apostles windows in the dome of St. Mary of the Angels, the largest church in Chicago. They also added four new dome drum port hole louvers. Write in No. 769



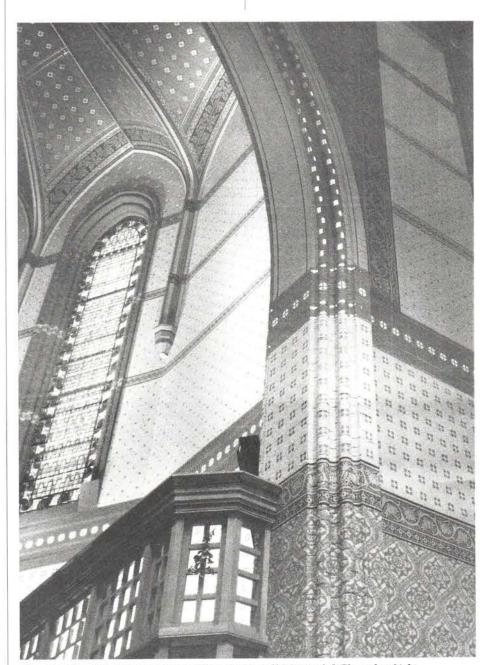
Fearless steeplejacks from YANKEE STEEPLEJACK CO. are replacing all the slate roofers and copper flashing on the spire of the United Church of Auburndale, Newton, Mass. Write in



Mahogany sash for this historic Gothic building — precisely replicating the historic originals — were supplied by RICKETSON WOODWORK.



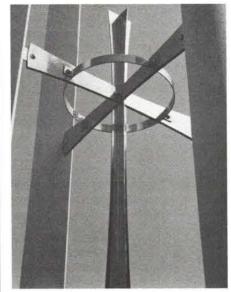
For the First Church of Christ Scientist, Montclair, N.J., ROGERS ROOFING fabricated and installed new copper cladding on the steeple, restored the steel windows, and painted the steeple inside and out. Write in No. 746



The dazzling Victorian-era stencilling in Battell Memorial Chapel at Yale University was painstakingly restored by JOHN CANNING, LTD. Write in No. 510



Replacement of architectural millwork and other repairs on the steeple of Warwick Baptist Church, Warwick, R.I., is being performed by LANDMARK RIGGING CO. Write in No. 759



An 8-ft.-tall bronze cross was fabricated from 1/4-in. plate for the First Reformed United Church Of Christ, Lexington, N.C., by BATTLEGROUND FORGE & FOUNDRY CO.

continued on page 28

26 ■ JANUARY/FEBRUARY 1993 TRADITIONAL BUILDING ■

■ TRADITIONAL BUILDINGS ■

## Saving Face Is Our Business

- Restoration of Church Facades •
- Pointing, Stonework, Caulking
  - Concrete Resurfacing •
  - Roofing Installations •
  - Structural Repairs •

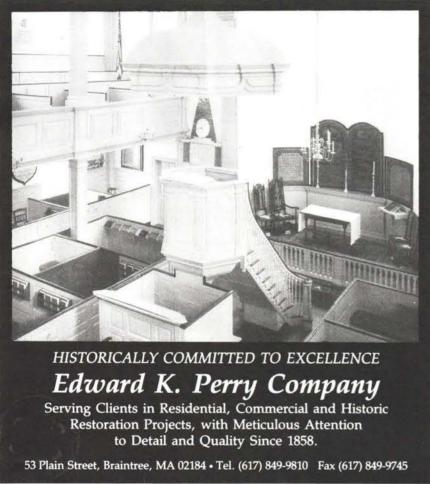
have been in business for over 15 years and know how to listen to our clients' concerns. We pay every attention to detail using high-tech methods and old world craftsmanship. We're so proud of our work, we'll furnish a client list upon request. Call or write your next project.

1-800-649-6722

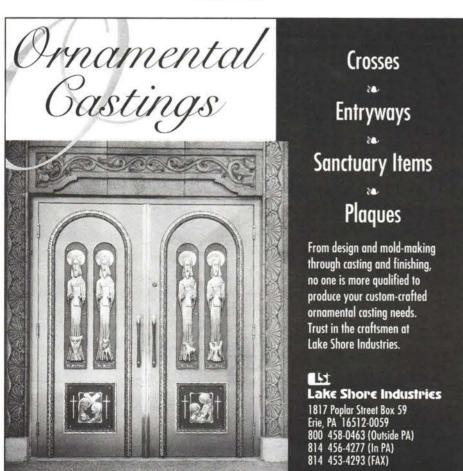


481 Commerce St., Hawthorne, NY 10532 914-769-6722 FAX 914-769-0257

WRITE IN NO. 267



WRITE IN NO. 144



WRITE IN NO. 873

## **Campbellsville Industries**



**▲ STEEPLES** 

▼ CUPOLAS

- - the builder of world's



- custom
   fabrication
- delivery and installation
- variety of metals
- stock designs available
- historical reproductions
- baked on finishes



**■** DOMES

World's largest fabricator of CUSTOM METAL STEEPLES, CUPOLAS, AND DOMES

Other Campbellsville products:

- · CLOCKS · BALUSTRADES
- · LOUVERS · WEATHERVANES
- TOWERS CORNICES
- · CARILLONS · COLUMNS

CALL AT ONCE: 800-467-8135 or Fax: 502-465-6839

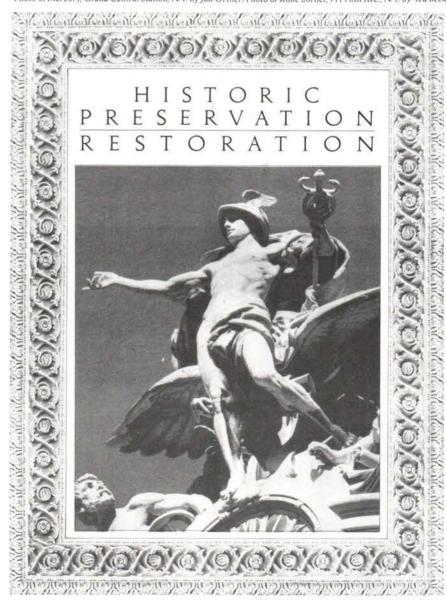
AMPBELLSVILLE "The Steeple People" ...

NDUSTRIES, INC. plus

TAYLOR BOULEVARD, DEPT. TB, CAMPBELLSVILLE, KY 42718

WRITE IN NO. 582

Photo of Mercury, Grand Central Station, N.Y. by Jon Ortner/Photo of stone border, 711 Fifth Ave., N.Y. by Ted Beck



## CATHEDRAL STONEWORKS BRISK WATERPROOFING

212 316·7457 • FAX 212 316·7404 • 800 253·0025

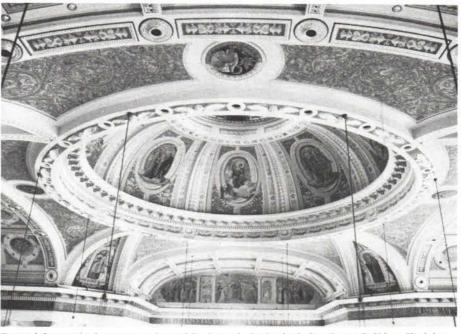
## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceLists on pp. 10-22.

Continued from page 26



The center portion of the sandstone moldings surrounding a church entrance has been recreated in place using Jahn patching mortar from CATHEDRAL STONE PRODUCTS. Write in No. 380



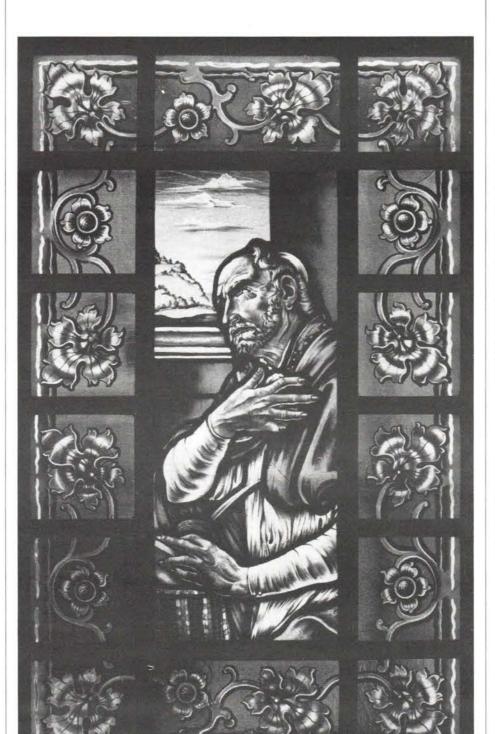
Part of the extensive restoration of St. Joseph Cathedral, San Jose, Calif., called for new lighting fixtures to be concealed in the ceiling. Fire codes required that the fixtures be covered with wire glass plates. But heat from the bulbs was so intense that the wire glass began cracking. The solution: FireLite — a transparent ceramic that can withstand high temperatures and thermal shock. TECHNICAL GLASS PRODUCTS, Kirkland, WA (800) 426-0279.



This Tiffany-style triptych window had been in storage for 20 years. It was completely taken apart and restored by COVENTRY GLASSWORKS. Write in No. 262



Historically accurate 12/12 replacement wood windows with antique glass were fabricated for this New England Church by ARCHITECTURAL COMPONENTS.



The European-trained craftspeople at EUROPEAN ART GLASS are highly skilled in creating newly painted masterworks in the traditional styles (as in the panel shown here), as well as restoring antique stained glass. Write in No. 335



Extensive repairs to the magnificent stained glass windows in New York City's Riverside Church required, among many other things, the erection of 80-ft. scaffolding by ROHLF'S STAINED GLASS STUDIOS. Write in No. 624



This splendid 13-ft. carved wooden cross and organ case decoration for the First Presbyterian Church, Alton, Ill., was executed by the classically trained carvers at AGRELL & THORPE. Write in No. 92



ARCHITECTURAL TIMBER & MILLWORK restores interior framing systems as well as all the elegant neoclassical details that comprise this New England steeple. Write in No. 329

continued on page 30





## **Professional Restoration and Preservation** of Stained Glass Windows

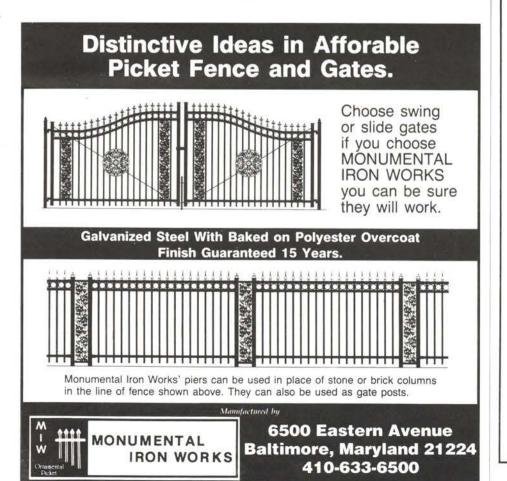
PROFESSIONAL EVALUATIONS • OVER 90 YEARS EXPERIENCE NATIONWIDE SERVICE

For a professional, no-obligation appraisal of the condition of your windows, call toll-free:

1-800-533-3960

The Willet Stained Glass Studios, Inc 10 East Moreland Avenue, Philadelphia, PA 19118

WRITE IN NO. 323



WRITE IN NO. 691

## STEEPLEJACKS Complete Restoration Specialists



☐ Church Restoration ☐ Steeples ☐ Slate - Our Specialty
☐ Domes ☐ Towers ☐ Gold-Leafing ☐ Waterproofing
☐ Crosses ☐ Brick & Stone Work ☐ Lighting Protection
☐ Carpentry ☐ Clocks & Bells ☐ Chemical Cleaning

☐ Nationwide Service, Free Estimates, Financing

Skyline Engineers of MD, Inc. 5405 Beall Drive Frederick, MD 21701

301-831-8800

1. P		ease send more inform
Name		
Address		
Church		
City	State	Zip
Phone		

WRITE IN NO. 347

## Custom Designed Religious Pieces Old World Craftsmanship



Lighting fixture fabricated for the Holy Rosary Church

Antique Brass Works are specialists in the refinishing, restoration and fabrication of Ecclesiastical wares, including menorahs, tabernacles, brass railings, interior and exterior lighting fixtures, and bronze plaques.

Also gold and silver plating.

## **ANTIQUE BRASS WORKS**

290 Port Richmond Avene, Staten Island, NY 10302 (718) 273-6030 FAX (718) 273-2937

## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceLists on pp. 10-22.

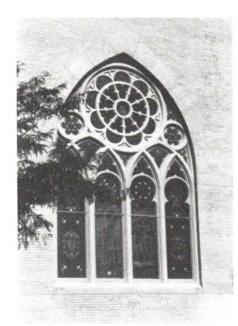
Continued from page 28



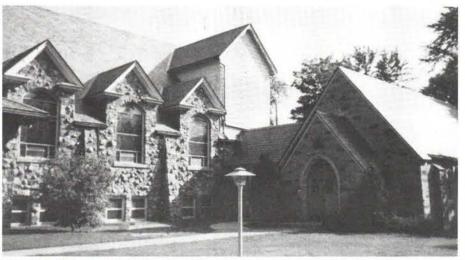
St. Peter The Apostle Church in Oakland, Md., had extensive slate repair on steeple and main roof, stone cleaning, repointing, regilding of two crosses, and other exterior repairs carried out by TRI-STATE PAINTING CO. Write in No. 297



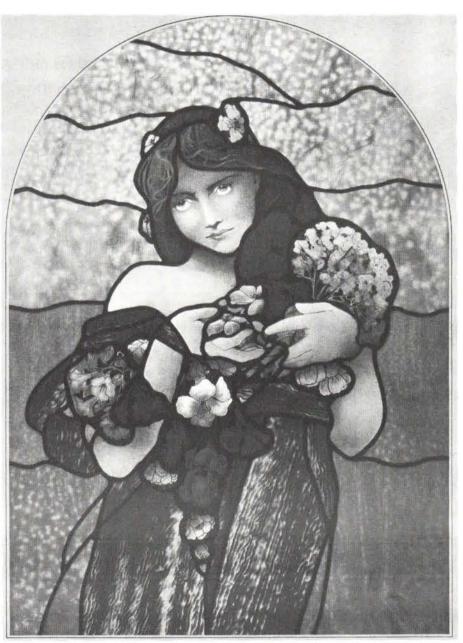
STELZ STUDIOS fabricates fine leaded glass windows and mosaics executed in the traditional Tiffany/La Farge American school of art glass. Write in No. 255



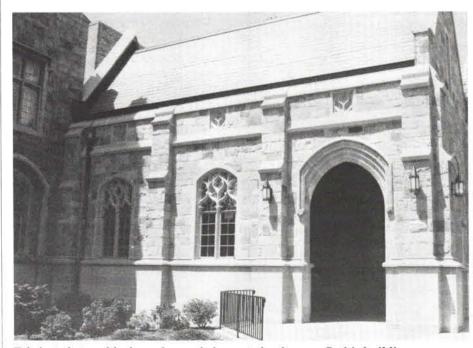
Exterior repair and restoration of the wood frames on the major windows in this church was performed by McCLELLAND & DUFF.



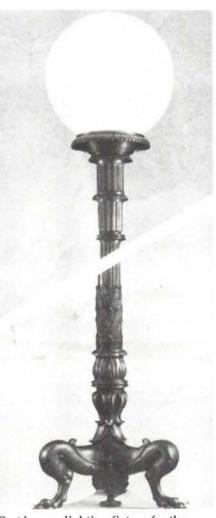
This church in Sturgis, Mich., is roofed with Vermont gray-black slate from HILLTOP SLATE. Write in No. 995



This exquisite stained glass window in the Art Nouveau style is typical of the work produced by GAYTEE STAINED GLASS. Write in  $No.\,508$ 



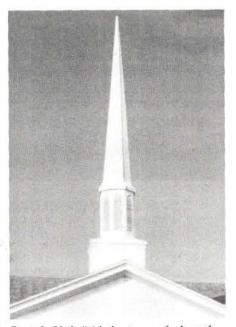
Fabricated stone blocks and carved elements for the new Gothic buildings were supplied by RANIER DEVIDO STONE & MARBLE CO.



Cast bronze lighting fixture for the Scottish Rite Cathedral, St. Louis, Mo., reproduced from historic original by SAINT LOUIS ANTIQUE LIGHTING CO.



Custom lighting for this church interior was manufactured by APPLETON LAMPLIGHTER.



Steeple Unit # 4 is just one of a broad range of steeples, cupolas, crosses, and related religious fittings in FRP from FIBERGLASS SPECIALTIES. Write in No. 731

continued on page 32

## For The Finest Traditional Roofs:

## Hendricks Handmade Concrete Roof Tiles



Hendricks Tile is made in colors and textures selected for the individual job. Hand-finished to achieve a unique natural appearance, the tile weathers to a warm, mellow color that sets it apart from any other roofing product. The tile ages extremely well - even in freeze-thaw conditions.

First made in 1926, Hendricks Tile beautifies and protects fine homes up and down the East Coast — including Colonial Williamsburg. Call or write for full-color

## Richmond Precast Concrete Products Co.

P.O. Box 37099, Dept. TB, Richmond, VA 23234 (804) 275-8262

WRITE IN NO. 634



## NICHOLAS BRUMDER

BRUMDER ORNAMENTAL IRON, INC. 40128 INDUSTRIAL PARK GEORGETOWN, TEXAS 78626

B

Hot Forged Hand Wrought Architectural Metalwork

Call or write for free brochure

Columbarium gate for the CHURCH OF THE GOOD SHEPHERD in Corpus Christi, Texas. 9't x 8'w.

(512)869-2830

WRITE IN NO. 186

## Smith-Cornell impressions

HIGH QUALITY

 HAND CRAFTED PERSONAL SERIVCE

Call or write for a: FREE BROCHURE FREE QUOTES







We specialize in:

- · Sand Cast Plaques in Bronze, Aluminum, Iron
- and Stainless Steel GraphicsPlus-Smooth Surface Plaques and Markers
- Unusual shapes and sizes
- Combination of Cast with a GraphicsPlus insert

1545 Holland Rd. • Suite O

Maumee, Ohio 43537 419-891-4335 • 800-325-0248

WRITE IN NO. 46

All Colors and Thicknesses

Semi-Weathering Gray and Green Royal Purple Vermont Black

Mottled Green and Purple Red Unfading Green Clear Black

Mottled Gray-Black Unfading Gray-Green Semi-Weathering Gray-Black

## Full Architectural Service

Also, Slating Tools - Cutters, Rippers, Hammers, Hooks.

## **EVERGREEN SLATE** (

68 Potter Ave., Box 248, Granville, NY 12832 • Tel.: 518-642-2530 Quarries: Wells, Poultney, Fair Haven, Vermont • Fax: 518-642-9313

WRITE IN NO. 713



Not since Tiffany & LaFarge have such works in glass been produced

Renowned for his artistic achievements in traditional stained glass, Steven Stelz creates fine opalescent glass windows, screens, ceilings, lamps, and glass mosaics.

As a long time artist/craftsman, Stelz designs and executes "Paintings in Glass," creating works of extraordinary quality, once only acheived by the turn-of-the-century american glass masters.

Upon your request we can furnish you with our color brochure of some of our more recent works or call (908) 806 - 7023 for information on our varied studio services.

STELZ STUDIOS

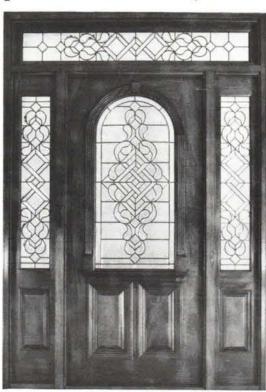
Fine Leaded Glass Windows & Lamps 98 Stanton Station Rd., Flemington, N.J. 08822, (908) 806 - 7023

Catalogue \$5.00

WRITE IN NO. 255

## Entrancing.

Furniture-quality doors and entryways in premium hardwoods; standard & custom sizes.



At Chautauqua Woods, every door and entryway is made to the highest construction standards from premiumgrade hardwoods by master furniture builders.

Most Chautauqua Woods door styles have classic raised moldings on interior and exterior faces. Optional "Period Styled Packages" are available to match virtually any architectural style.

We can also supply

rectangular transoms with rectangular or elliptical light openings, as well as a variety of sidelight styles. Call or write for more details. You'll discover that the finest quality is also affordable. All doors are handcrafted in the United States.

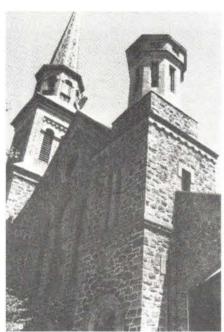
Chautauqua Woods

P.O. Box 3, Fredonia, NY 14063 (716) 679-7720 FAX: (716) 679-7780

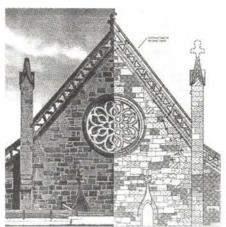
## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceLists on pp. 10-22.

Continued from page 30



PASVALCO is a custom fabricator of all types of natural stone for restoration and new construction projects on religious buildings.



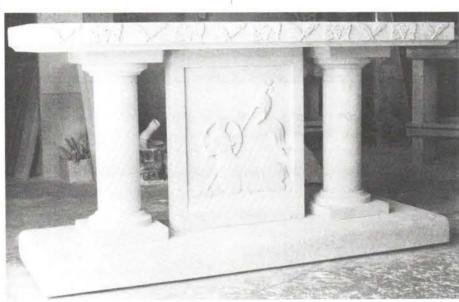
For masonry restoration on Grace Episcopal Church in Brooklyn, N.Y., INTEGRATED CONSERVATION RESOURCES used a computer to produce base-condition drawings from 35mm perspective-corrected photographs. Write in No. 272



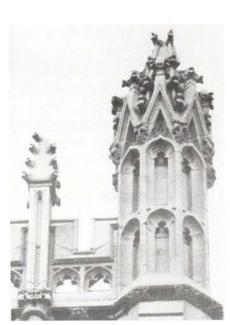
Lighting fixtures appropriate for Early American churches are manufactured by AUTHENTIC DESIGNS.



Concrete roofing tiles in the Early American Slate pattern were supplied for this Gothic church by VANDE HEY RALEIGH. Write in No. 284

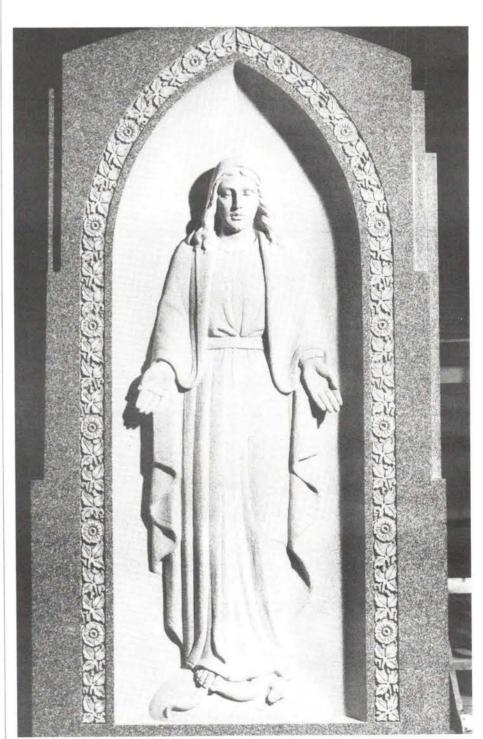


Limestone altar table was fabricated by artisans at TEXAS CARVED STONE.



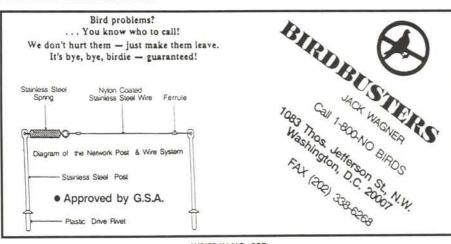
Replacements (see right) for damaged crockets and finials (see above) on this Gothic structure were created by the CARVING & RESTORATION TEAM.





Ornamental units in carved granite are shaped in many styles by NORTH BARRE GRANITE CO.

continued on page 34



WRITE IN NO. 307



1300 Brighton Road, Pittsburgh, PA 15233 800-322-3520

- Offering complete exterior & interior restorations.
- Specialty in disaster recovery & emergency planning.
- Professional construction management & supervision.
- Experienced advice on continuing ministry & related services.

WRITE IN NO. 260



## The Highest Roofing Skills

- Slate Tile Sheet Metal
  - · Masonry Restoration
- Experienced With Major Historic Landmarks

• Since 1922 • Nationwide Service

(219) 272-0200 MIDLAND



52369 U.S. 33 North • P.O. Box 1019 • South Bend, IN 46624

WRITE IN NO. 742



## Rogers Roofing Co., Inc.

2511/2 GROVE AVENUE / VERONA, N.J. 07044 \_(201)744-0820 / 239-5001\_

SLATE AND TILE ROOFS . CUSTOM COPPER WORK WATERPROOFING • WOOD ROOFS • GUTTERS AND LEADERS • CHIMNEYS COMPLETE EXTERIOR RESTORATION
 SHEET METAL ROOFS For Over 70 Years Quality Has Been Our First Priority

WRITE IN NO. 746



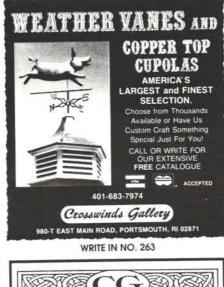
WRITE IN NO. 283



**STEEPLEJACKS** 

63 MAIN STREET, DEPT. TB FLORENCE, MA 01060 413-586-4121

WRITE IN NO. 759





Restoration & New Work

Studio Member of Stained Glass Assn. of America

514 W. College Ave., Appleton, WI 54911 1-800-892-4610

WRITE IN NO. 262





## EUROPEAN ART GLASS

WHEN OLD WORLD EXPERIENCE IS REQUIRED

### SPECIALIZING IN:

- RESTORATION
- LEADED GLASS
- PAINTED GLASS ■ BEVELED GLASS
- **ETCHED GLASS** ■ FACETED GLASS
- IN-HOUSE DESIGNS
- COMMERCIAL/RESIDENTIAL

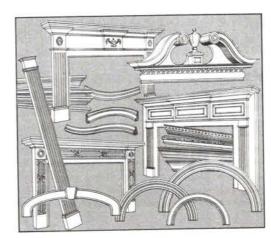
FOR CONSULTATION AND ESTIMATE CALL:

SHOWROOM (408) 438-8044 FAX (408) 438-7901

34A JANIS WAY SCOTTS VALLEY, CA 95066

WRITE IN NO. 335

## **Custom Woodwork has never been this easy!**



Executive Woodsmiths will craft a wide variety of mantels, door pediments, and architectural features to your size and style requirements. We also produce mouldings of grand proportions in our patterns or yours, in straights or curves

Now there's an easy way to make your designs come to life. Please call us to discuss your next project.

Brochures availiable upon

Executive Woodsmiths, Inc. 215-V Foster Ave. Charlotte, NC 28203 (704) 527-9090

WRITE IN NO. 932



## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceLists on pp. 10-22.

Continued from page 32



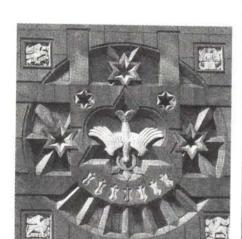
Newly quarried reddish-brown sandstone, for restoration and new construction projects, is available from CARL SCHILLING STONEWORKS.



Skilled handcarvers at CATHEDRAL STONEWORKS provide the finishing touches on ornamental stone elements roughed in by a sophisticated CAD/CAM design and stone cutting system. Write in No. 935



TOM CIESLA & ASSOCIATES decorative painting studio frequently employs its range of traditional decorating skills in restoration and new work for religious buildings.



This elaborate carved stone ornament for St. Anselm Church, Brooklyn, N.Y., was fabricated and installed by A. OTTAVINO CORP.



This magnificent carved wood organ case at the Aldersgate United Methodist Church in Evansville, Ind., was carved by PETE MACARTNEY.





This beautifully painted — but cracked — antique English stained glass panel in St. Thomas Episcopal Church, Camden, Me., was restored by careful edge-gluing under magnification by THE NEELY STUDIO.



The Community Church, Wolfeboro, N.H., is used seasonally. The shutters, which are closed in fall and winter, were supplied by BEECH RIVER MILL CO. — along with operating hardware.

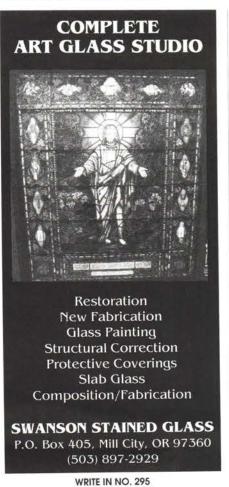
continued on page 36



FORGE.

Processional cross in hand-wrought

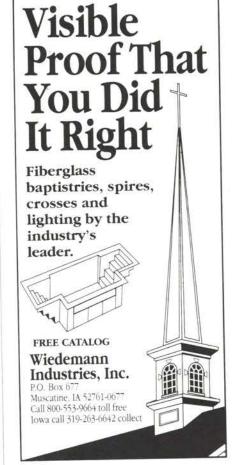
iron was fabricated by WHITE OAK











WRITE IN NO. 751

## BIRD CONTROL TECHNOLOGIES The Professional Products & Services Company

15% Discount for Non-Profit Organizations

WRITE IN NO. 731

- Call 1-800-354-8945 1-215-385-4880 O. Box 135 Douglassville, PA 19518
- Guaranteed Control Programs for Pigeons-Starlings-Bats-Sparrows
- Mechanical & Chemical Solutions
- Non-Destructive Control Methods
- Specification Packages Available
- On-Site Supervision & Consulting Services
- ♣ Installers of Nixalite<sup>™</sup>, Cat Claw<sup>™</sup>, Hot Foot<sup>™</sup>, & Other Barriers

WRITE IN NO. 225

For immediate free product literature, use the FAX CON-**NECTION** on page 73.



Toll Free 1-800-787-1627 Metro Wash. 301-428-8061 Fax 301-349-2322

WRITE IN NO. 929



Since 1896

## Clay Roof Tiles...

- Beautiful
- · Durable
- Affordable

Vith a full range of profiles and colors, CCN offers a complete line of quality clay roof tiles ideal for restoration or new construction.

For further information or to arrange a meeting with a sales agent in your area, please call:

1-800-551-4226

Complies with all current USA roofing standards.

8280 College Parkway, Suite 204, Fort Myers, Florida 33919 Fax: 813-481-8153

WRITE IN NO. 950



720 GRAND AVENUE • RIDGEFIELD, N.J. 07657 (212) 532-4430

## **Trinity Church braces itself** against the winds of change

A though the scaffolding currently visible on the steeple of New York City's 143-year-old Trinity Church looks like any other scaffolding from the outside, the success of the system depends on a second, scaffold-like tower hidden behind the steeple's masonry walls. sonry walls.

sonry walls.

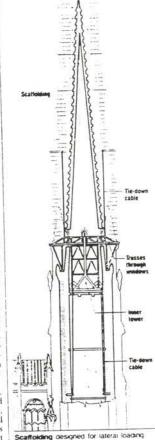
That internal aluminum-and-steel tower is wedged into an octagonal open area at the base of the steeple, about 120 ft above the street. The in-

about 120 ft above the street. The internal tower accepts lateral forces transferred from the scaffolding and allows the building to weather loads of up to 180,000 lb imposed upon the scaffolding by hurricane-force winds. The unusual approach was needed because the landmark building's loadbearing masonry walls cannot withstand heavy lateral loads, says scaffold designer Alan Shalders, chief engineer with Universal Builders Supply Inc. (UBS), Mount Vermon, N.Y.

Cleaning surface, Four tiers of aluminum scaffolding were creeted around the steeple last spring as part of a \$3-million to \$4-million cleaning and rehabilitation project expected to

of a \$3-million to \$4-million cleaning and rehabilitation project expected to take from three to lour years. John F. Jones, construction manager for the church, says the project will include church, savs the project will include the removal of a laver of black carbon that has accumulated on the building's prownstone surface, the repair or replacement of damaged decorative stonework, and a thorough inspection of the building's exterior surfaces. The work is being done by Brisk Waterproofing Co. Inc., New York City, under the supervision of engineer-of-record Maxwell Lincer, principal with Leichtman & Lincer P.E., P.C., New York City.

The vertical loads from the 130-tt. tree-standing scaffold are supported by a balcony at the base of the steeple. by a balcony at the base of the steeple, says Shalders. To accommodate lateral loads, UB, designed a cruciform miss that mornides through four lancet windows, one located on each face of the steeple's base. The loads are trans-terred from the exterior scaffolding to the intersection aluminum misses. the intersecting aluminum trusses through 75-in tie-down cables. Loads are then transferred to the interior tower, which is in turn connected with tie-down cables to steel inserts drilled into the steeple's masoury walls about



50 fr below Shalders says the system

makes use of the L000-ton weight of the steeple itself.
Although the exterior scatfolding will be removed when the first phase is complete. Shalders says the interior complete. Shalders says the in-tower will remain for humer use

Recrinted from ENR, September 28, 1989, cooking til 1989 tv McGraw-Him lind, with all horts reserved Aboving recreit in tild entered typolice ENR Recrit Department (50)(426,510)

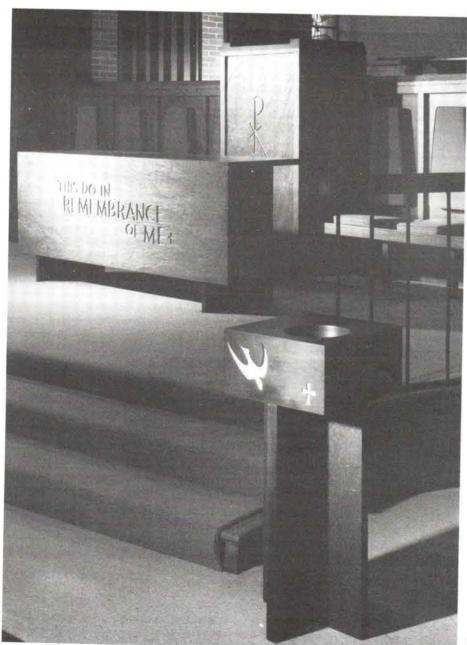
## RELIGIOUS BUILDINGS PORTFOLIO

For more information on these companies, consult the SourceList on pp. 10-22.

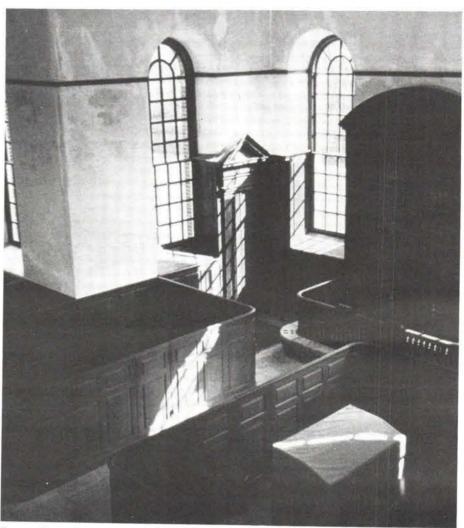
Continued from page 34



The candle sticks and candelabra shown are just a sampling of the religious appointments available from CINCINNATI ARTISTIC WROUGHT IRON WORKS.



The altar table and font at the United Presbyterian Church of the Atonement, Wheaton, Md., was fabricated by BUCKINGHAM-VIRGINIA SLATE CORP.



Research on the original paint finishes inside the historic 1734 Christ Church in Lancaster, Va., was executed by MATTHEW J. MOSCA. Mosca can also custom-produce many early paint materials for authentic restoration.

## TALES OF CONDUCTOR HEADS

Conductor heads, or leader boxes, as they are sometimes called, have been in use for centuries on everything from castles and chateaus to cathedrals and courthouses. They are small but significant elements in a building's exterior roof drainage system and often serve as focal points for ornamentation. Because of the architectural enrichment conductor heads offer, they are being used more extensively these days. Made of various sheet metals such as leadcoated or plain copper, aluminum, zinc, galvanized steel, or stainless steel, these enlarged basins act as transfer funnels between gutters or scuppers, and downspouts. They prevent the kind of damage to eaves



that results from water backing up due to frozen or blocked downspouts. While designs vary widely, *The SMACNA Architectural Manual, 4th Edition*, recommends that the shorter dimension of the top opening be equal to two-thirds of the longer one. Also, they should be placed one inch below a scupper, if the design doesn't have built-in overflow slots. Hunt Miller, a sheet metal contractor well-practiced in historic restoration, makes his preference for materials clear: "Galvanized models rust. Customers often change from galvanized to copper, which will eventually wear out because of rainwater running through it, but it might take a hundred years or so."

The major supplier of ready-made conductor heads, W.F. Norman Corp., sells zinc and lead-coated or plain copper models, pressed from turn-of-the-century dies. Mark Quitno, vice president of the company, reports a steady business in them, selling to residential and commercial customers for both new and restoration applications. He also sees a clear preference towards copper models. The company's extensive catalog of pressed-metal ornament lists 22 models. Number 905, shown here, is made up of approximately 10 parts, eight of which are stampings. Three models cleverly incorporate overflow features in the form of crenelated tops. While some models are modest in design, the majority present themselves as hammered and scaled grounds for the world of rosettes, cartouches, swags, and lions that inhabit Gothic Revival, and give voice to the mysteries and aspirations found in the details of architecture.

Contact: Hunt Miller Co., (800) 787-1627, in Washington, D.C. (301) 428-8061 Write in No. 929. W. F. Norman Corp., P.O. Box 323 Nevada, MO 64772 (800) 641-4038 Write in No. 52 —SG



### **CHURCH RESTORATION PROJECTS**

Main Street United Methodist Church, Boonville, Indiana Johnson United Methodist Church, New Harmony, Indiana Broadway United Methodist Church, Paducah, Kentucky St. Bernard's Catholic Church, Rockport, Indiana

812-853-0460

20 W JENNINGS NEWBURGH IN 47630

WRITE IN NO. 292

# Over 50 Grille Sizes & Designs LARGEST SELECTION OF IN-STOCK CAST IRON OR BRASS REGISTERS & GRILLES.

Enhance the appearance of your home. Whether building, remodeling or simply redecorating, our beautiful 100% solid cast grilles finish off any room perfectly. Ideal with forced-hot-air systems, wood stoves, even solar collectors.

Request our color catalog. \$1.00

CALL (508) 772-3493

Regi

The Reggio Register Co. Dept. Z301 P.O. Box 511

WRITE IN NO. 581

# Robinson FLAGSTONES SINCE 1919

Pennsylvania flagstone (bluestone) available in wide range of pastel shades and tones. Our flagstone is a durable, quartzite sandstone with natural cleft surface. Various custom edge treatments available. Among its many uses:

Paving • Flooring • Treads • Mantels & Hearths
Coping for pools, spas, and fountains • Sills • Benches

Our specialty is "tailor-made" flagstone with all stones numbered and cut to fit in accordance with numbered shop drawings prepared by us. Call, FAX, or write for

P.O.Box 208 - Fort Washington - Pa. 19034 TELEPHONE: (215) 646-3500 FAX: (215) 646-1855

WRITE IN NO. 979

# FITZGERALD & FOY

NCORPORATEC

RESTORATION . DESIGN . SCENIC ART

4712 S.W. 74th AVENUE MIAMI, FLORIDA 33155 (305) 261-4127

WRITE IN NO. 336

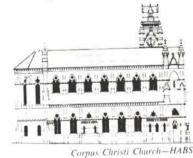
# KELLY CLAYTON & MOJZISEK

Architects • Interiors • Design/Build

Award winning church design and restoration specialists

2508 North Calvert Street Baltimore, Maryland 21218 (410) 889-2613

> Brian W. Kelly, Partner-In-Charge



WRITE IN NO. 357

# Prisms Art Glass Studio 13967 Hollowgreen Dr. Houston, Tx. 77082 Glass Restoration Services Stained | Etched | Beveled Custom Designs | Stock Patterns Tiffany Lamp Reproductions Over Twenty Years Experience 713-531-8551

WRITE IN NO. 346

# **SNOW-GUARDS**

for all types of roofs



WRITE IN NO. 349

# When We Stair, People Stare!



PROJECT: Sundance West Cinemas, Fort Worth, TX
ARCHITECT: David M. Schwartz, Architectural Services, P.C.
SCOPE: Created a "cityscape" motif in a converted historical building
now housing 11 cinema theaters. Railings, trusses, columns, popcorn
stand, etc. were fabricated satin brushed aluminum. (Photo: HedrichBlessing)

### NATIONAL AWARD WINNING MANUFACTURER AND INSTALLER OF:

Railings
 Gates
 Furniture
 Automatic Gate Operator Systems
 Stairs
 Fences
 Kiosks
 Custom Architectural Metal

FABRICATED & EXECUTED PROJECTS COAST-TO-COAST IN:
ALUMINUM • STEEL • STAINLESS • HAND FORGED WROUGHT IRON
BRONZE • COPPER • BRASS • CASTINGS

OFFER DESIGN ASSISTANCE • FULLY INTEGRATED CAD CALL US ON YOUR NEXT PROJECT!



### **BIG D METALWORKS**

of Texas 2002 Quincy St. Dallas, Texas 75212

214-638-8753 Fax 214-638-2241

WRITE IN NO. 603

# VERMONT ROOFING SLATE MAJOR QUARRIER & PRODUCER VERMONT PREMIUM NATURAL ROOFING SLATE & FLOORING

Sea Green, Grassy Green, Mottled Purple, Heather Purple, VT Grey Black, Truthville Red

# Hilltop Slate Inc.

ESTABLISHED 1948

P.O. Box 201, Dept. TB, Middle Granville, NY 12849 Tel: 518-642-2270 Fax: 518-642-1220

WRITE IN NO. 995

# High Quality Steeplework At Down-To-Earth Prices



We can handle all exterior church restorations: From complete steeple rebuilds, roof replacements, and structural work to painting, metalwork, and millwork repairs.

Call us for an estimate.

YANKEE STEEPLEJACK COMPANY 103 Assabet Avenue

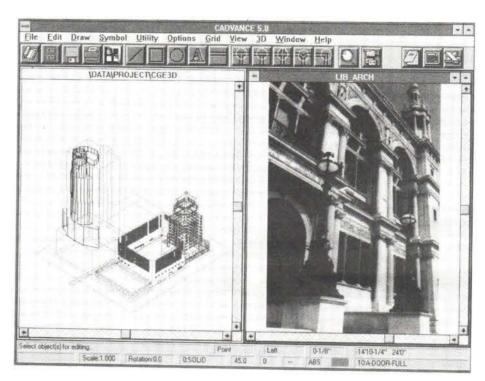
103 Assabet Avenue Concord, Mass. 01742 (508) 369-9078

FAX (508) 369-0671

# Software For Designers & Contractors

Computer software is revolutionizing the way work is done on historic buildings. Here's the survey of some of the latest software products available for designers and contractors.

CADVANCE~5.0 from ISICAD, INC. offers a split screen for simultanious viewing of scanned images and wire-frame drawings.



# TRADITIONAL BUILDING'S SourceList OF esign & Project Management Software COMPILED BY SHARON GARBE SYSTEM COMPATIBILITY

			25	l mage n		Cartes		СОМ	SYST	EM BILITY		
COMPANY	SPECIALTY	Literature/ Demo Copies	CAD Design & Layout	Architectural Rendering/Image Manipulation	Cost Estimation	Project Management	Job Cost Tracking	ІВМ РС	Mac	Other	Software Support	Software
A-Systems Corp. 339 E. 3900 S., Ste. 101, Dept. TB Salt Lake City, UT 84107 (801) 265-0600	Contractor III software includes integrated modules for general ledger, job cost, accounts payable/receivable, and purchase orders.	Free literature & demo disk Write in No. 330			V		v	~			Toll call; annual contract; modem	S
Abracadata, Ltd. P.O. Box 2440, Dept. TB Eugene, OR 97402 (503) 343-2324	Design Your Own Home and Architecture are easy-to-use, 2-D CAD drawing programs with full icons and overlays. Everbody's Planner is an affordable project manager.	Free brochure, demo disk \$10	V			V		~	V		Toll call	1
Alden Computer Systems P.O. Box 4505, Dept. TB Salem, MA 01970 (508) 744-1314	APPS inputs object dimensions and sequentially defines them. Contour data are smoothed and reduced to linked arcs. Outputs either a machine tool part program or a CAD/CAM file of the object. Full display, plot, and edit support are provided.		V					V			Toll call	Y
American Small Business Computers 1 American Way, Dept. TB Pryor, OK 74361 (918) 825-4844	Programs include DesignCad 2D, DesignCad 3D, ScanPro (for raster-to-vector conversion), DesignSYM (offers 6,700 symbols), and SmartEST (for estimation on any work.)	Free brochure, free demo disk	~	~	~		~	~	~	Apple/UNIX	Toll call	N
Autodesk, Inc. 2320 Marinship Way, Dept. TB Sausalito, CA 94965 (800) 964-6432 (415) 332-2344	AutoCAD Release 12 is a general purpose design, drafting, and modeling software program for a wide selection of desktop computers and workstations. Over 1,000 registered developer programs to compliment AutoCAD.	Free literature, free demo disk	~	~	~	V	V	~	V	Numerous systems	Annual contract through authorized dealers, or from Autodesk	Y
CADD Services Rt. 2, Box 99, Dept. TB Weyers Cave, VA 24486 (703) 234-8923	Company offers <i>Builder 2</i> , a CADD software for builders and remodelers, and <i>AutoConForm</i> for wall and foundation contractors.	Free literature Write in No. 259	~					V			directly. Toll call	Y
CADKIT 12136 W. Bayard Ave. Ste. 120 Dept. TB Denver, CO 80228 303) 987-2376 Comet Construction Software	3-D software that lays out and designs any type of interior space. Program creates: Floor plans, elevations, perspectives, bill of materials, pricing, and cutlist automatically.  Software programs for construction	Free brochures, video \$29.95	~	~				~			Annual contract fee after 1st year \$400. Free support after training.	Y
001 Montreal Rd., Ste. 101, Dept. TB tlanta, GA 30084 800) 726-0586	estimating, job cost reporting, accounts payable/receivable, payroll, general ledger, and AIA Billing and draw scheduling.	Free brochure, demo disk \$10.			~		~	V			Annual contract fee \$90-700	Y
Omputerized Micro Solutions 966 Arjons Dr. #211, Dept. TB un Diego, CA 92126 (19) 578-2664	Complete cost estimating and CAD design software for all construction related companies.	Free brochure; demo disk \$10	~		~			~			Toll call	Y
raftsman Book Co. O. Box 6500, Dept. TB urlsbad, CA 92008 19) 438-7828	repovation fields. Programme Construction and	Free catalog Write in No. 334			v			~			Toll call	N

# **MORE THAN A** CAD PROGRAM



SoftPlan...a Computer Aided Residential Design program created exclusively for professional builders and designers. It's much more than a CAD program. It's a design tool... Create floor plans in minutes! Generate elevations and cross sections automatically! It's a sales tool...Make custom changes on the spot! It's a business tool...Produce material lists and cost estimates in seconds!

### ...AND EASY TO USE.

SoftPlan speaks the builder's language. If you know construction, you already know SoftPlan...It's that simple

FOR A FREE DEMO DISK CALL, 519-886-9750



168 Lexington Court, Unit A, Waterloo, Ont. N2J 4R4

WRITE IN NO. 291



### ARCHITECTURAL RENDERING by Ernest Burden III

High quality color, black & white and line perspectives ranging from sketches to major presentation artwork Interior and exterior Mediums include watercolor,

airbrush and color pencil All work based on 3D

Old buildings a specialty

computer models



46 EIGHTH AVE., B'KLYN., NY 11217 Fax (718) 857-9396 (718) 398-9166 Phone

WRITE IN NO. 120



### Request for **SPECIALTY** CONTRACTORS

### OHIO STATEHOUSE RESTORATION

Restoration design team for National Historic Landmark is seeking experienced preservation specialty contractors to pre-qualify for bidding process. Areas include: masonry restoration and cleaning, ornamental metalwork, finish carpentry, architectural casework, hardware, decorative painting, ornamental plaster, graining, reproduction furniture, and reproduction lighting. Please contact Jayne Vandenburgh, Schooley Caldwell Associates, Architects, 969 Crupper Avenue, Columbus, Ohio 43229 or call (614) 431-2312.

WRITE IN NO. 355



WRITE IN NO. 259

### **BUILDER INFORMATION SYSTEM**

Real-Time Construction Accounting & Management Software.

Modules include General Ledger, Financial Statements, Accounts Payable, Purchase Order System, Accounts Receivable, Payroll, Job Costing, Inventory, Job Billing, Job Estimating, Subcontract Control, Change Order Control, Equipment Control and Union Payroll.

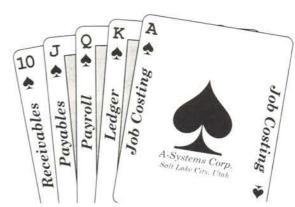
Basic System Only \$795.00



11573 Los Osos Valley Rd. Suite G San Luis Obispo, CA. 93405 (805) 543-7000

WRITE IN NO. 337

# With Integrated Construction Software From A-Systems...



# You Just Can't Lose!

on't gamble with something less. A-Systems has supplied quality software soloutions to contractors for over a decade. And if that's not enough, we have now sweetened the pot by giving you a choice of systems suited to your own size, function and price range. Call us today and we'll deal you a winning hand!

Contractor III Lite



For small contractors who want a totally integrated system, including job cost, general ledger, payroll, payables, and receivables at a bargain price.

Contractor III Standard



For growing contractors who need added capabilities such as certified and union payrolls, subcontract management and Contractor III Plus



From \$7,500

For large companies who want recurring entries, change order tracking, and a full complement of advanced features and re-

CALL A-Systems Today For The Dealer Nearest You

A-Systems Corporation Salt Lake City, Utah



(801) 265-0600

WRITE IN NO. 330

# FREE Estimating Programs

Four new cost estimating books include FREE computer disks with stand-alone estimating programs. Get complete labor and material cost estimates for 1993 on one 5-1/4" High density disk FREE with the purchase of any of these books. Each disk has all manhour, labor and material cost estimates in the book and includes an easy-to-use estimating program called Estimate Writer.

- All four programs work the same way -- you can mix and match.
- You can change, add, or delete anything in your bid.
- Export to spreadsheet programs such as Lotus and Excel.
- Export to word processing programs or print direct. Each disk includes a certificate for a FREE update.

Disk Enclosed



National Construction Estimator has 30,000 labor & material prices for residential, commercial, and industrial construction. Includes manhours, recommended crew sizes, and assemblies. Every item of construction is covered, from permits and sitework to finishing. If you need to estimate the in-place cost of any item used in construction, you'll find it in this book. Each book comes with a FREE 5-1/4\* high density Estimate Writer disk. 592 pages, 8-1/2 x 11, \$31.50

🗌 National Repair & Remodeling Estimator has 6,000 repair & remodeling costs for residential, commercial, and industrial construction. Includes

commercial, and industrial construction. Includes manhours, recommended crew sizes, average production rates, and material, equipment, and labor costs. Figures are included for both high- and low-volume remodelers so they will be accurate for your jobs. Every item of repair and remodeling is covered from fire damage and demolition to the price of replacing doors and windows. Each book comes with a FREE 5-1/4" high density Estimate Writer disk. 320 pages, 11 x 8-1/2, \$29.50.



■ Electrical Construction Estimator has over 9,000 electrical

cost estimates for residential, commercial, and industrial construction. Includes material costs, and manhour prices for installing wire, conduit, boxes, switches, outlets, load-centers, panelboards and more. Each book comes with a FREE 5-1/4" high density Estimate Writer disk. 432 pages, 8-1/2 x 11, \$28.50



National Plumbing & HVAC Estimator has over 8,000 plumbing and HVAC material and labor costs for installing HVAC or plumbing in residential, commercial, and industrial construction. Includes ABS drain, waste & vent, copper, soft copper, PVC, and polypropylene piping, and plumbing specialties and fixtures. Also has HVAC prices on ductwork, equipment, blowers, fans, coils, pumps, and more. Each book includes a FREE 5-1/4" Estimate Writer disk. 288 pages, 8-1/2 x 11, \$32.25

F-31 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
fail This ad to:	24 Hour Order Line. Call 1-800-829-8123
raftsman Book Company 6058 Corte Del Cedro	Check the books you want to order on a 10-day money-back guarantee.
Carlsbad, CA 92009	☐ Visa ☐ Mastercard ☐ AmEx
lame	Exp.date
address	

Number City/State/Zip tb193

# TRADITIONAL BUILDING'S SourceList OF esign & Project Management Software

			≈ 3	nage		State West			SYST	E M BILITY		
COMPANY	SPECIALTY	Literature/ Demo Copies	CAD Design & Layout	Architectural Rendering/Image Manipulation	Cost Estimation	Project Management	Job Cost Tracking	IBM PC	Mac	Other	Software Support	Software
Foresight Resources Corp. 10725 Ambassador Dr., Dept. TB Kansas City, MO 64153 (816) 891-1040 (800) 231-8574	Drafix CAD Ultra 4.2 and Drafix Windows CAD 2.1 are 2-D CAD programs for Windows or DOS that are full featured, easy to learn and use. Database ties drawings to spreadsheets, wordprocessors, etc.	Free brochure & demo disk	V	V	V			~			Toll call	N
Hufnagel Software P.O. Box 747, Dept. TB Clarion, PA 16214 (814) 226-5600	Roomer3 is a CAD package which allows users to quickly and easily design building interiors in 2D and 3D.	Free brochure	V	~				V			Toll call	Y
SICAD, Inc. 1920 W. Corporate Way, Dept. TB maheim, CA 92803 714) 533-8910	CADVANCE for Windows is a full-featured, professional level 2-D/3-D CAD package that uses Clipboard, DDE and OLE for linking and sharing information.	Free brochure & demo disk	~					V			Toll free through dealers	Υ
ntegrated Computer Graphics 120 Hope Rd., Ste. 100, Dept. TB tlanta, GA 30350 404) 552-8800	Specifically for residential building, <i>Builders CAD</i> incorporates 2-D and 3-D drafting capabilities, automatic roof, foundation, and elevation generation, 3-D modeling and rendering, material take-offs, and optional framing module.	Free brochure & demo disk	~	~	~			V		Sun work- stations	Free training; toll-free phone support for maintenance customers.	Y
ANDCADD International 2.0. Box 604, Dept. TB ranktown, CO 80116 303) 688-8160 800) 876-LAND ext. 11	Complete spectrum of intergrated land planning CAD software. Solutions include digital terrain modelling, site planning, landscape design, irrigation design, and civil engineering. Prices from \$295 \$5995.	Free literature & demo disk	~	V	~			V	~	Sun Sparc	Toll-free for 60 days; \$3/minute 1- 900 line; annual contract fee varies.	N
. Hardy Legwin & Assoc. 150 Watertown St., Ste. 5, Dept. TB V. Newton, MA 02165 800) 334-7510	BuilderForm is a collection of 85 project management forms and documents on disk. The operating program, FormTool, allows users to customize forms. Cost is \$95. and \$4.50 shipping.	Free flyer				~		V			Toll call	Y
OSHA-Soft, Inc. O. Box 668, Dept. TB mherst, NH 03031 800) 446-3427	Offers software to help companies comply with government safety, health, and environmental regulations. <i>FastRegs</i> allows browsing, searching, indexing, and marking.	Free literature & demo disk						V			Monthly updates & newsletter	N
lanagement Info. Control Systems 1573 Los Osos Valley Rd. uite G, Dept. TB an Luis Obispo, CA 93405 805) 543-7000	Business Integration Systems is a construction management software integrated with a "real time" accounting system. Offering estimating, job cost, change order control and job billing with AIA format, subcontractor control, union and certified payroll.	Free literature & self-running demo disk; full- running demo disks \$10 Write in No. 337			~		V	V			Annual contract fee \$335	N
Matrox Electronic Systems, Ltd. 055 St. Regis Blvd., Dept. TB borval, Quebec, Canada H9P 2T4 800) 361-4903 (514) 685-2630	MG-3D Series offers 3d programs for workstation performance on low-cost PC platforms. Features plug-in graphics and display processors, image processors, and enriched software drivers such as ADI.	Free literature	V	~				V			Toll free	N
Maxwell Systems, Inc. 838 DeKalb Pike, Dept. TB orristown, PA 19401 800) 688-8226, (215) 277-3515	Provides fully integrated construction and service management packages: Job costing, accounting, subcontract control, and dispatch. Utilizes 4th generation environment tools for report tools for report writing.	Free literature					~	V		Unix, Xenix	Toll-free call; annual contract fee varies	Y
orak Computing Services, Inc. 613 Flintridge Dr., Dept. TB olorado Springs, CO 80918 719) 593-1187	ArchCon is a 3-D construction design system program that produces estimating/takeoff reports for job costing, materials requirement, bid estimation, cut list, and labor.	Free literature; demo disk \$50 plus shipping.	~		~			V		IBM PS/2, RISC 6000	Annual contract fee \$120	Y
oftPlan Systems, Inc. 68 Lexington Ct., Unit A, Dept. TB /aterloo, Ont. N2J 4R4 CAN 519) 886-9750	CAD software for designing residential and small commercial buildings. Program creates floor plans, automatic elevation, cross sections, roof plans, and produces accurate materials lists and cost estimates.	Free brochure & demo disk. Write in No. 291	~		~			V			Toll call	N
oftouch Software, Inc. 910 NE 42 St., Ste. 255, Dept. TB ortland, OR 97201 503) 241-1841	Cost Management System 3.0 is a user- customizable database and application for job cost estimating and job costing.	Free brochure; demo disk \$5			~		V		~		Toll call	N
oftware Shop Systems 340 Campus Parkway, Dept. TB /all, NJ 07719 908) 938-3200	Company offers full range of estimating and job cost accounting software, as well as specialty data bases for fields such as heavy construction, sitework and landscape, concrete, electrical, and plumbing.	Free literature & demo disk.			~		~	~			Annual contract	N
imberline Software Corp. 600 SW Nimbus Ave., Dept. TB eaverton, OR 97005 800) 628-6583	Estimating and cost control software for building professionals. The <i>Precision Collection</i> includes <i>Precision Estimating</i> , <i>Bid Analysis</i> , <i>Cut &amp; Fill</i> , <i>CAD Integrator</i> and more, and the <i>Medallion Collection</i> has cost control packages.	Free literature; demo disk \$10.			~	~	~	~			Toll-free call; annual contract fee varies	N
urbo Construction Estimator .O. Box 2068, Dept. TB ashon, WA 98070 800) 321-1624	Easy to learn and use estimating program features response-menu driven design which interacts between calculator, dimensions, unique relational database and more.	Free literature; demo disk \$15			~		~	~			Toll-free call	Y
urtle Creek Software 51 Halsey Valley Rd., Dept. TB pencer, NY 14883 607) 589-6858	Residential and light commercial estimating for new construction or remodeling projects. Estimating integrates with job costing, general accounting, and scheduling.	Free brochure; demo disk \$15			~	V	~		~		Toll call	N
Vilhelm Publishing, Inc. O. Box 922, Dept. TB olumbia, MO 65205 800) 842-2027	Threshold Construction Software offers 55 construction contracts and forms on disk or print. The forms are user customizable through word processing programs.	Free catalog			V	~		~	~		Toll free	Y

# **RESTORATION 93**

The International Conservation & Preservation Trade Event

DECEMBER 6-8, 1993 HYNES CONVENTION CENTER BOSTON, MASS.

**RESTORATION** 93 is coming

to North America after the overwhelming success

of the first two annual

RESTORATION

events held in

**Amsterdam** 

in 1990 &

1992.

vation of a wide range of other cultural objects.

teriors and interiors, as well as for the conser-

The concurrent Conference, organized in cooperation with The Association for Preservation Technology International (APT), will feature a two-track program dealing with current problems in the companion fields of conservation, preservation and restoration.

For more information, contact:

### **RESTORATION 93**

c/o Glew International (EGI) 10 Tower Office Park, Woburn, MA 01801 (617) 933-9055 FAX (617) 933-8744

WRITE IN NO. 338

# Workshops in Preservation **Building Skills for Building Trade Professionals** Early 19th Century Architectural

Woodwork Preservation Philosophy Plaster Repair Ornamental Plaster Paint and Historic Structures Gilding and Its Conservation Stonewall Repair Conservation of Painted Finishes Structural Evaluation and Repair Window Conservation and more...

Funded in part by grants from the National Park Service and the Vermont Council on the Arts



To register or for more information write:

## Preservation Institute for the Building Crafts

P.O. Box 1777, Windsor, VT 05089 or call (802) 674-6752/674-6729 a division of Historic Windsor, Inc.

WRITE IN NO. 658

### High quality shipping tubes for blueprints, mylar & vellum tracings and storage. Factory direct. Immediate shipment Packed in cartons with end plugs & available in over 30 sizes from stock. P.O. BOX 369, NEW OXFORD, PA 17350 To order and for more information FAX 717-624-4420 • TOLL FREE 1-800-242-5216

WRITE IN NO. 930

### **Division 2: SITEWORK**

RESTORATION 93

is both a Trade Show

and a Conference — with

more than 10,000 registrants

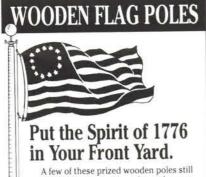
expected. The Trade Show will

feature a wide range of materials,

products, and services for building ex-



WRITE IN NO. 906



grace mansions, schools and courthouses across America. We're recreating this era for today's caring home-owner in hand-made wooden

beauties with the classic square-to-octagon-to tapered round design

Made of select Douglas Fir. they're turned on a with ten coats to a gloss white finish.

Shipped to your home, ready to install on our rust-free steel base. Poles come with all accessories plus a brass customed-engraved and numbered owner's plaque and 50-star and original 13-star flags. Our poles are made to order and guaranteed to last a lifetime. Can't buy at retail. Allow 6-8 weeks for delivery. Write or call for free color brochure, details TOLL FREE 1-800-285-2122



VISA\*

423 Tehama - C, San Francisco, CA 94103

WRITE IN NO. 118

For instant access to product literature, see the list of companies at the end of each **Special Report** Introduction that have prefiled brochures in the 1992 **TRADITIONAL** BUILDING CATALOG.





# CLASSIC EXTERIOR MOLDED C

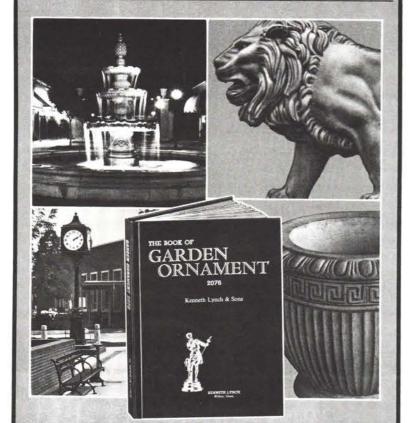
METAL & STONE WORK

BENCHES • GATES • FOUNTAINS & POOLS

ARCHITECTURAL ORNAMENTAL

SCULPTURE & STATUARY • PLANTERS & URNS

TOPIARY • SUNDIALS • WEATHER VANES



Our Book of Garden Ornament is the handbook of the industry. No landscape architect or professional designer of interior or exterior landscapes can be without one. It contains hundreds of unique products. And gives specifications & sitework suggestions; a price list is included.

# KENNETH LYNCH & SONS

TRADITIONAL CRAFTSMEN

DEPT. TB 84 DANBURY ROAD WILTON, CT 06897

(203)762-8363 FAX(203)762-2999

Put my firm on your mailing list to receive FREE product information and specifications data.

Enclosed is \$9.50... please ship your complete 400-page, hardbound

Book of Garden Ornament to my address, below.

Firm

Address

City\_

State/Zip

Please Note: Books are shipped UPS, so P.O. Box Numbers are not acceptable.

### **Division 4: MASONRY**



# LYEMANCE' INTRODUCES THE NEW "POWER LEVER"

- Power Lever™ comes mounted to the damper lid.
- Fully guaranteed for material and workmanship.
- A tug on the cable drives a tiny piston upwards, applying hundreds of pounds of leverage.
- Same low cost.
- No change required for installation.
- Sizes available: 8"x8", 8"x17", 9"x13", 12"x16", 13"x13", 13"x18", 17"x17".

# LYEMANCE INTERNATIONAL.

P.O. Box 505 • Jeffersonville, IN 47131 [812] 288-9953 • Fax [812] 283-3692

WRITE IN NO. 512



Leaders In Chimney Technology

ProTech Systems, Inc. 26 Gansevoort St., Albany, NY 12202

WRITE IN NO. 206

EXTERIOR
MOLDED ORNAMENT

special report

# **Embellished Exteriors**

From classic terra cotta and cast stone to high-tech thin-shell composites, a dazzling array of options exists for the specifier of exterior molded ornament.

By Sharon Garbe

For this *SourceList* on exterior molded ornament, we surveyed 174 companies and from the information supplied we selected a cross-section of firms that represent the materials and capabilities of greatest interest to our professional audience. You'll find listings for traditional materials (metal, stone, terra cotta) and more recent innovations like thin-shell composites and polyurethanes.

The proliferation of modern substitute materials has also bred an alphabet soup of acronyms that confuse some people. In case you'd like a handy sheet to give to your clients, we've sorted out the most common confusing terms in the box below.

# **Alphabet Soup**

FRG (Fiberglass-Reinforced Gypsum)

**ADVANTAGES:** Inexpensive. Casts crisp detail. Has greater scratch resistance than plaster.

**LIMITATIONS:** Depends upon coatings for weather resistance. Will break down in harsh climates if coating is not kept intact.

## FRP (Fiberglass-Reinforced Polyester)

**ADVANTAGES:** Light weight allows easy installation without special trades; corrosion resistant; wide range of fade-resistant integral colors. Protective gel coat lasts 15-20 years; may require painting thereafter. Light weight makes FRP ideal for seismic zones. High strength-to-weight ratio makes structural laminates possible; fire retardancy available. Rugged, tough, graffiti-resistant.

**LIMITATIONS:** Some local fire codes may restrict use of FRP. Fire retardants added to gel coat may adversely affect weathering. Has coefficient of expansion about the same as aluminum, which may dictate attachments that can accommodate movement.

## **GFRC** (Glass-Fiber Reinforced Concrete)

**ADVANTAGES:** Resistant to weathering, pollutants, and windborne abrasion. Can be cast with white or gray cement and a wide range of integral colors. Various aggregates and surface treatments can replicate a wide range of stones. Light weight permits long panels of ornaments, simplifying installation. Original ornament can be used for mold. Noncombustible.

**LIMITATIONS:** Large panels require a steel subframe to support bearing loads. Due to a coefficient of expansion higher than precast concrete, panels over 15 ft. require a control joint within the panel. Some loss of flexural strength with age requires engineering design in large panels.

# **GRC (Glass-Reinforced Concrete)**

see listing under GFRC.

## **GRG (Glass-Reinforced Gypsum)**

— See listing under FRG.

### **GRP** (Glass-Reinforced Polyester)

— See listing under FRP.

### MG (Modified Gypsum)

**ADVANTAGES:** Economical; sets up quickly, allowing rapid mold cycling. Can be colored integrally. Not UV sensitive; fire resistant; casts sharp detail. Smooth surface; can replicate fine-grained limestone. **LIMITATIONS:** Heavier than FRP ornament. Smooth surface not suitable for simulation of most natural stones.

# ETRADITIONAL BUILDING'S SourceList OF CSI# 04700 CSI# 04700

COMPANY	SPECIALTY	Literature	Metals	Cast Stone,	Thin-Shell	Other	Mold-Making	% Custom
Alpha-One Fiberglass Exteriors 141 Rome St., Dept. TB Farmingdale, NY 11735 516) 293-2611	Replicates existing artisan ornamental works in fiberglass, cast concrete, aluminum or other materials as specified.	Free	Cast aluminum	Plaster & Clay Cast stone, cast concrete, plaster	Composites FRP	Materials Urethane or epoxy- filled resin casts	Materials	Custom
Anchor Concrete, Inc. 175 Burnt Tavern Rd., Dept. TB Brick, NJ 08724 908) 458-9440	Producers of interlocking pavers and keystone retaining walls.	Free		Cast concrete				
Archicast 1527 Broad St., Dept. TB Memphis, TN 38112 901) 323-8717	Sculpt and repair old and original designs. Services include complex moldmaking, casting in wide variety of materials, waxes produced for foundries.	Info to inquires		Cast stone, cast concrete, exterior gypsum, Duracal	FRP, FRG			70%
Architectural Cast Stone 201 E. Hunter Ave., Dept. TB Santa Ana, CA 92705 714) 543-6062	Custom manufacturer of cast stone architectural/landscape ornament: Columns, capitals, door and window surrounds, window sills, mouldings, fascia, wall caps, pool copings, balustrades, pilaster caps, garden urns, fountains, finials, step treads, pavers. Finishes simulate limestone, granite, quarry key stone, conterra stone, and slate.	Free Write in No. 331		Cast stone, cast concrete				100%
Architectural Facades 140 W. Julian, #240, Dept. TB San Jose, CA 95110 408) 298-2758	Columns, balustrades, pool coping, pavers, stair treads, moldings, custom mantels, arches, niches, domes, corbels, Bolection moldings. Sandstone, travertine finishes, color matching; exterior and interior.	Free Write in No. 147		Cast stone, plaster, cement in paint grade	FRG, GFRC			25%
Architectural Fiberglass Corp. 395 Marconi Blvd., Dept. TB Copiague, NY 11726 516) 842-4772	Standard and custom molded fiberglass replicas of historic ornamentation, such as balustrades, balconies, cornices, and planters.	Free,, Write in No. 640			FRP, FRG			
Architectural Iron Co. P.O. Box 126, Dept. TB Milford, PA 18337 800) 442-4766	Custom castings of moldings, trim elements, and all other castable shapes. Will work from samples, photos, or drawings; some stock items available.	Send \$4	Cast iron, cast aluminum					95%
Architectural Products Mfg. 470 Greenbush Ave., Dept. TB N. Hollywood, CA 91605 818) 982-2311	Stock and custom molded columns, components, and other architectural elements for interior and exterior use.	Free Write in No. 897		Forton MG	GRG, GRC, For			
Art Home Studios Co. 44 Huron St., Dept. TB Brooklyn, NY 11222 718) 383-0603	Custom studio provides exterior fiberglass cornices, architectural cast stone, and sculpture — both design and fabrication. Also, ornamental plaster restoration and preservation.	Free Write in No. 643		Cast stone, cast marble	FRP, FRG, GFRC			100%
Ball Consulting, Ltd. 338 14 St., Ste. 201, Dept. TB Ambridge, PA 15003 (412) 266-1502	Supplier of materials and information to the GFRC and exterior gypsum industry.	Free Write in No. 726		Exterior gypsum, Forton MG	GFRC, Forton polymer, Cem-Fil A-R fiber		Polytek mold materials	90%
Baycraft Fiberglass Engineering, Inc. 1700 Clark Rd., Dept. TB Havre de Grace, MD 21078 (410) 939-9339	Company produces a wide range of ornaments, including column covers, capitals and bases, balustrades, archways, cupolas, moldings, and sculpture, in various surface treatments.	Free			FRP, FRG			65%
Bello Fattore Arch. Details 1012 W. 49th St., Dept. TB Richmond, VA 23225 (804) 231-6358 (804) 231-9918	Sculpture studio specializing in making models of architectural ornaments for casting in a range of materials.	Free Write in No. 896						100%
Boston Valley Terra Cotta 6860 S. Abbott Rd., Dept. TB Orchard Park, NY 14127 (716) 649-7490	Specialists in terra cotta manufacturing — both restoration and new projects — decorative exterior ceramic tiles, ornaments, and roof tile.	Free Write in No. 16		Terra cotta				100%
Cast Stone Institute Pavillions at Greentree Ste. 408, Dept. TB Marlton, NJ 08053 (609) 858-0271	Organization of cast stone manufacturers, architects, engineers, and concrete technologists; publishes a technical manual covering applications, standard specs, methods of anchoring, etc. Also a recently released video which illustrates design and production steps, and finished projects.	Free brochure Write in No. 647 Manual \$35; Video \$10						
Cathedral Stone Products 2505 Reed St. NE, Dept. TB Washington, DC 20018 (202) 832-2633	Supplies Jahn Restoration Mortars and injection grouts — cementitious materials (no acrylics or latex bonding agents) especially formulated for compatibility with stone, terra cotta, concrete, and plaster.	Free Write in No. 380				Jahn Restoration mortars	ח	
Ceratech 4 Peckman Rd., Dept. TB Little Falls, NJ 07424 (201) 812-8373	Architectural elements and roof tile in terra cotta; restoration, custom matching, and new work.	Free Write in No. 608		Terra cotta				100%
Chem-Tech Group Arch. Plastics 2634 Taft Ave., Dept. TB Orlando, FL 32804 407) 425-2066	FRP or molded and cast urethane architectural elements for traditionally-styled projects, as well as Disney resorts.	Free			FRP	Poly- urethanes		100%
Concrete Designs, Inc. 3650 S. Broadmont, Dept. TB Fucson, AZ 85713 (800) 279-2278 (602)624-6653	Manufactures and stocks over 1,600 different precast concrete ornaments, including moldings, door, and window surrounds, balustrades, and columns. Also carry GFRC details. Custom work available.	Free		Cast concrete	GFRC			20%
Cumberland Woodcraft P.O. Drawer 609, Dept. TB Carlisle, PA 17013 (717) 243-0063	Large stock of polyurethane elements in assorted sizes and styles.	Free Write in No. 131				High- density poly- urethane		10%

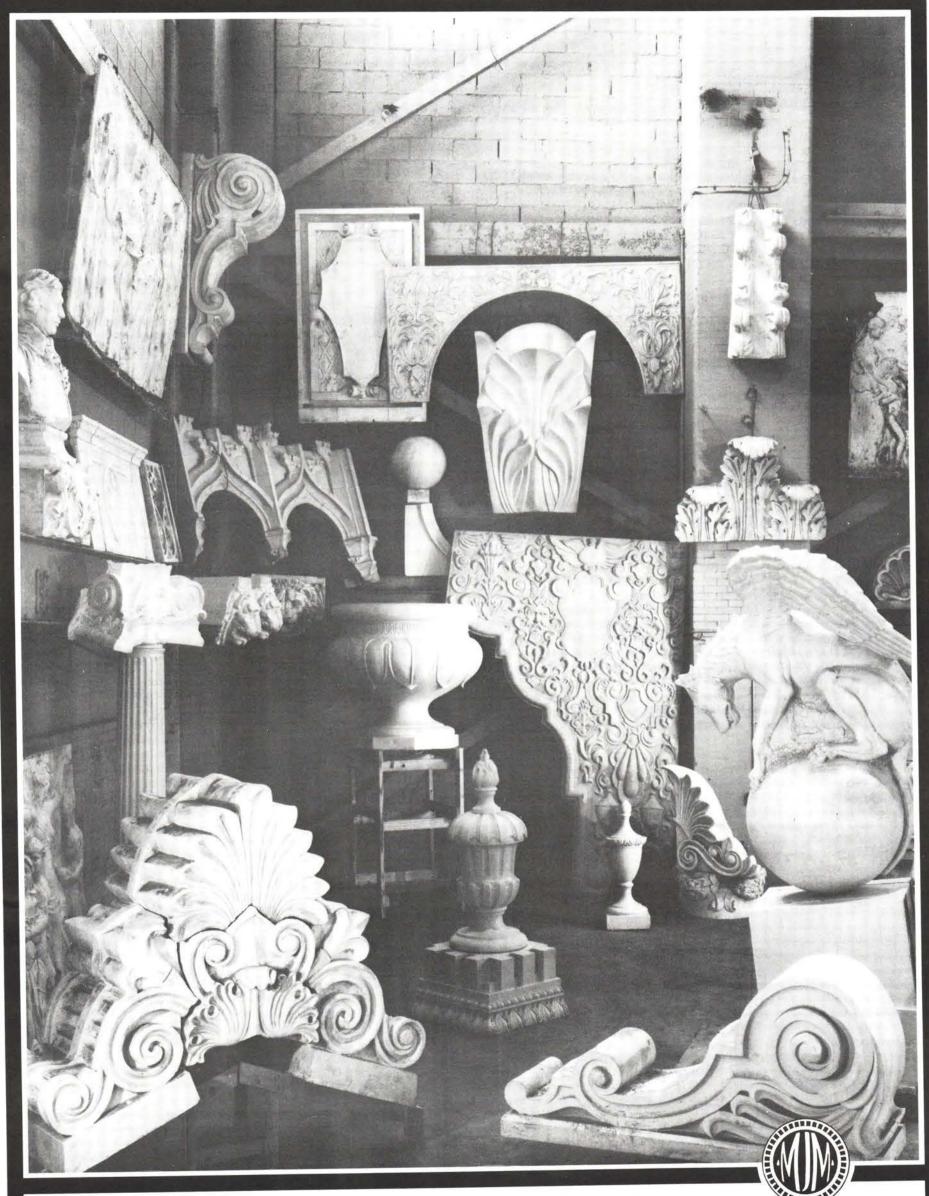


# EXTERIOR MOLDED ORNAMENT

COMPANY	SPECIALTY	Literature	Metals	Cast Stone, Plaster & Clay	Thin-Shell Composites	Other Materials	Mold-Making Materials	% Custon
Custom Decorative Mouldings P.O. Box F, Rt. 13, Dept. TB Greenwood, DE 19950 (800) 543-0553	Molded exterior ornaments in high-density prefinished polyurethane. Products include archways, pediments, pilasters, capitals, louvers, corbels, and moldings.	Free Write in No. 908				High- density poly- urethane		40%
D.M.S. Studios 5-50 51 Ave., Dept. TB Long Island City, NY 11101 (718) 937-5648	Versatile sculpture studio offers smithing, carving, and molding, with a special emphasis on the reproduction of historical exterior ornaments. Reproduction or original designs.	Free Write in No. 910		Cast stone, cast concrete, exterior plaster, exterior gypsum	FRP, FRG, GFRC			100%
Decorators Supply Corp. 3610-12 S. Morgan St., Dept. TB Chicago, IL 60609 (312) 847-6300	Although better known for their interior ornament, this firm has a wide selection of exterior ornamental details, such as capitals, cast in weather-resistant plaster.	Free		Exterior plaster				
Designs in Tile P.O. Box 358 , Dept. TB Mt. Shasta, CA 96067 (916) 926-2629	Custom art tile studio specializing in custom colors and glazes, historically accurate reproductions, and hand decoration. Offers faience tile and terra cotta for exterior application.	Free Write in No. 25		Terra cotta Faience				100%
Edon Fiberglass 1160 Easton Rd., Dept. TB Horsham, PA 19044 (215) 672-8050	Designs, engineers, and manufactures FRP architectural ornamentation specializing in custom, church, and religious exterior domes, minarets, ornamentation, and reproductions.	Free Write in No. 189	Fabricated metal		FRP, FRG	ù		50%
Felber Ornamental Plaster P.O. Box 509, Dept. TB Ardmore, PA 19003 (800) 392-6896	Better known for their interior molded ornament in plaster and other materials, Felber has also executed numerous exterior restoration projects in which they duplicated molded brick, terra cotta, etc.	Free Write in No. 289		Exterior plaster	FRP, GFRC			50%
Fischer & Jirouch Co. 4821 Superior Ave. NE, Dept. TB Cleveland, OH 44103 (216) 361-3840	This company produces a vast array of fibrous plaster interior and exterior ornaments, which are cast in fiberglass plaster reinforced with sisal minala hemp and sealed with boiled linseed oil for weather-proofing.	Free Write in No. 196		Exterior plaster				20%
David Flaharty, Sculptor 402 Magazine Rd. RD 2, Dept. TB Green Lane, PA 18054 (215) 234-8242	This experienced sculptor produces a wide variety of high-quality architectural ornamentation.	Free	Cast iron, cast bronze, cast aluminum	Cast concrete, exterior gypsum, exterior plaster	FRP, FRG, GFRC		2	100%
Fleetstar 481 Commerce St., Dept. TB Hawthorne, NY 10532 (914) 769-6722	Masonry restoration, both structural and decorative. Company offers waterproofing, roofing, pointing/caulking/mask grouting, and inspection services.	Free Write in No. 267		Cast stone				100%
GFRC, Inc. 6001 N. 60th St., Dept. TB Lincoln, NE 68507 (402) 466-3200	Produces wide range of GFRC products, ranging from exterior wall claddings to replications of historical architectural elements; replacements for terra cotta, etc. On-site moldmaking available.	Free Write in No. 663			GFRC			100%
C.G. Girolami & Sons 944 N. Spaulding Ave., Dept. TB Chicago, IL 60651 (312)227-1959	Designs and manufactures architectural ornaments and elements such as columns, gable reliefs, and moldings to order. Custom work available.	Send \$5		Cast stone, cast concrete				90%
Haddonstone, Ltd. 201 Heller Pl., Dept. TB Interstate Business Park Bellmawr, NJ 08031 (609) 931-7011	British design-manufacturers of classical stonework using cast, reconstructed limestone material resembling Portland Stone, with over 500 designs of architectural and landscape elements.	Free Write in No. 847		Cast stone				
Historical Arts & Casting P.O. Box 35, Dept. TB West Jordan, UT 84084 (801) 974-0242	Foundry specializes in the restoration and replication of cast metal ornament, including decorative exterior molded ornament such as cast-iron facades, domes, cresting, finials etc. Company provides design, manufacturing, estimating, and installation services.	Free Write in No. 121	Cast iron, cast bronze, cast aluminum					100%
William Kreysler & Assoc. P.O. Box 173, Dept. TB Penngrove, CA 94951 (707)765-1102	Produces all types of fiberglass reinforced exterior ornaments, facades, and sculpture, from original designs to terra cotta, stone, or metal replication. 3-D optical digitizing available for accurate enlargements.	Free			FRP, FRG, GFRC		v	100%
David Kucera, Inc. 85 Wythe Ave., Dept. TB Brooklyn, NY 11211 (718) 387-6206	Custom manufacturer of pre-cast pieces, specializing in ornamental replication and facade restoration. Services include on-site molds, production molds, patterns from original drawings, design calculations and engineering.	Free		Cast stone	FRP, FRG, GFRC			100%
MJM Studios 100 Central Ave., Bldg, 89, Dept. TB Kearny, NJ 07032 (201) 465-5220	Architectural sculpture studio that employs classically trained technicians to create, restore, and replicate architectural ornaments. All sculpture, moldmaking, casting, and kiln-firing is done in-house.	Free Write in No. 635	Aluminum, bronze, cast iron	Cast stone, terra cotta	GFRC, FRP, FRG			100%
Hunt Miller 20521 Whites Ferry Rd., Dept. TB Poolesville, MD 20837 (301) 428-8061	Architectural sheet metal contractor specializing in the reproduction and restoration of cornices, finials, conductor heads, and other sheet metal ornaments. Also installs traditional metal roofing.	Free Write in No. 929	Copper, lead-coated copper, zinc, stain- less, galvan- ized steel					90%
Molded Fiber Glass 55 4th Ave., Dept. TB Union City, PA 16438 (814) 438-3841	Specialists in FRP architectural elements, especially commercial projects. Offers layup, spray-up, and in-house product design, engineering and fabrication.	Free Write in No. 922		Cast concrete	FRP			100%

# We Build Character

# **★ DESIGN ★ FABRICATE ★ INSTALL ★**



ARCHITECTURAL SCULPTURE in Aluminum, Bronze, Cast Iron, Cast Stone, Glass Fiber Reinforced Concrete and Gypsum, Pre-Cast Concrete and Terra Cotta.

100 Central Avenue, Building #89, South Kearny, New Jersey 07032

MJM Studios (201) 465-5220

■ DIVISION 4 - MASONRY



COMPANY	SPECIALTY	Literature	Metals	Cast Stone, Plaster & Clay	Thin-Shell Composites	Other Materials	Mold-Making Materials	% Custor
Molloy and Associates P.O. Box 515, Dept. TB Hutchins, TX 75141 (214) 225-6106	High-strength architectural or ornamental panels produced in GFRC with cross-sections as thin as one-half inch. Can reproduce precise replicas of historic ornament, or execute new designs to drawings or specifications.	Free Write in No. 279			GFRC			100%
Monumental Const. & Moulding Co 1512 14th St., N.W., Dept. TB Washington, DC 20005 (202) 745-0658	Will custom match colors and textures of stone and concrete; custom ornamentation from drawings, examples, etc. (shop has library of traditional designs).	Free		Cast stone, cast concrete, exterior plaster, exterior gypsum	FRG, GFRC			100%
W.F. Norman Corp. P.O. Box 323, Dept. TB Nevada, MO 64772 (800) 641-4038	100-year-old company offers over 1,300 traditional architectural sheet-metal ornaments and sculpture, as well as metal roofing shingles, cresting, and custom reproduction.	Free Write in No. 52	Sheet metal: Zinc, copper, lead- coated copper					10%
Permalife, Inc. 1701 Clyde Park Ave.SW, Dept. TB Wyoming, MI 49509 (616) 245-0180	Manufactures polymer moldings and millwork. Also produces small custom moldings, such as column capitals.	Free Write in No. 744				Polymer		
Plasterform, Inc. 6895 Menway Ct., Dept. TB Missaissauga, Ont CAN L5S 1W2 (800) 268-4534, (416)677-8390	Company creates custom and standard architectural elements, such as columns, cornicess, pediments, cladding, entablatures, etc.	Free		Cast stone	FRP, FRG, GFRC			100%
Weather Rok By Plasterglas P.O. Box 11038, Dept. TB Omaha, NE 68111 (402) 455-0652	Specializes in Tuscan, Doric, and contemporary column covers and cornices. Extensive mold inventory often allows custom sizing without new mold cost.	Free			GFRC			100%
Polytek P.O. Box 384, Dept. TB Lebanon, NJ 08833 (908) 534-5990	Manufacturers of complete line of moldmaking materials, including a self-thickening liquid rubber, Polygel.	Free Write in No. 636					Poly- urethane, polysulfide, silicon RTV, rubber, hydrocal, latex, wax	
Smooth-On 1000 Valley Rd., Dept. TB Gillette, NJ 07933 800) 762-0744	Manufacturers of moldmaking compounds which can be poured or brushed on to vertical surfaces. Compounds are quick-curing and durable. Free working samples available	Free Write in No. 65					Variety of high quality mold making rubbers.	
Stepstone 17025 S. Main St., Dept. TB Cardena, CA 90248 408) 476-3033	Classic wall caps and pilaster caps in smooth finish, range of colors, including pastels; also double bull-nosed style.	Free		Cast concrete			rubbers.	5%
Studio Development P.O. Box 690081 Orlando, FL 32869 407) 345-0588	All types of building trims and ornamentation produced from a variety of traditional originals. Designs are available in a variety of materials; finishes include antiqued, distressed, and theatrical.	Send \$3		Cast stone, cast concrete, exterior plaster, exterior gypsum	FRG, GFRC	Silicone, urethane, epoxy, laminating resins, polyfoams		95%
Towne House Restorations 8-15 49th Pl., Dept. TB Maspeth, NY 11378 718) 326-4210	Custom fabricator of duplicate interior and exterior molded ornament, specializing in stone duplication in cast materials. Custom design and prototype production services.	Free		Cast stone, cast concrete, exterior gypsum, exterior plaster	FRP, FRG, GFRC			85%
00 Richardson St Dent TR	Company produces architectural products such as column covers, ballastrades, building cornices, and statuary.	Free Write in No. 353		Terra cotta, exterior	FRP, FRG, GFRC			50%

# INSTANT ACCESS TO PRODUCT LITERATURE FOR EXTERIOR MOLDED ORNAMENT

If your office qualified to receive the 1992 TRADITIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of exterior molded ornament:

Architectural Fiberglass Corp. Architectural Iron Co. Architectural Reproductions Edon Corp. Fibertech Corp. GlenTech
Haddonstone
Historical Arts & Casting
Lawler Machine & Foundry
Leitelt Bros.
MFG
W.F. Norman
Robinson Iron
Steptoe & Wife
Techcrete Architectural Precast

# INTRODUCING THE LARGEST TERRA COTTA MANUFACTURING FACILITY ON THE EAST COAST

We have combined American high tech, with "old world European craftsmanship". Due to this new technology, we can offer quality terra cotta reproductions at prices that are competitive with GFRC. Using our new system a turn around time of ten days is possible.

We want to become your Terra Cotta supplier and consultant. So please call us to attend one of our seminars and a tour of our facilities.

# CERACECH, INC.

CONSULTANTS AND MANUFACTURERS
4 PECKMAN ROAD, LITTLE FALLS, N.J. 07424
Tel: (201) 812-8374 - FAX: 812-8375



WRITE IN NO. 608

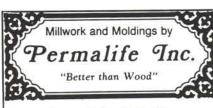
# CAST ARCHITECTURAL ELEMENTS

Custom applications for Hotels, Casinos, Restaurants, and Luxury Homes

- Glass-Reinforced Gypsum (GRG) ■ FORTON MG®
- Glass-Reinforced Concrete (GRC)
  - Column Covers
  - Fireplace Surrounds
- Ceiling Panels Balustrades
  Moùldings Domes Light Coves
  - Medallions, etc.

Architectural Products Mfg., Inc. 7470 Greenbrush Ave., N. Hollywood, CA 91605 Tel: (818) 982-2311 FAX: (818) 982-2322

WRITE IN NO. 897

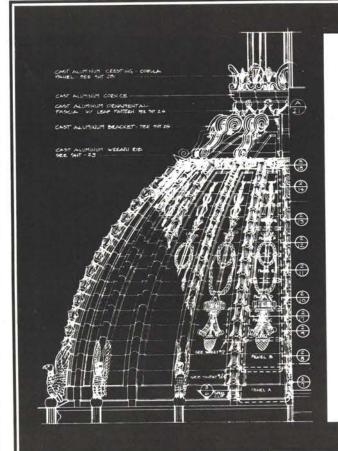


Louver Vents • Sunbursts Victorian Brackets • Door Surrounds Much More

> CUSTOM REPRODUCTIONS Much higher density material than other polymer moldings

Phone: (616) 245-0180 1701 Clyde Park S.W., Suite #5, Wyoming, MI 49509

WRITE IN NO. 744



# HISTORY. TRADITION. CRAFTSMANSHIP.

One of the most prolific cast-iron architects of the nineteenth century was James Bogardus. As and inventor and designer, Bogardus decorated his cast-iron facades with elaborate twisted rope moldings, faceted keystones, and stylized leaves.

Today, exterior molded ornament for cast iron storefronts and facades is being meticulously designed and handcrafted by the artisans at Historical Arts and Casting. Specializing in the restoration and replication of all architectural details, they custom build any element to capture the spirit and skill of the craftsmen of yesterday.

For additional information, please write or call:

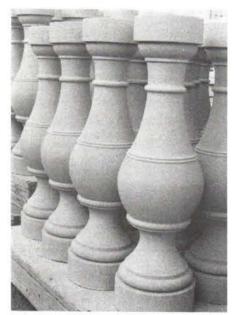
HISTORICAL ARTS AND CASTING, INC. P.O. Box 35

WEST JORDAN, UTAH 84084 (801) 974-0242 FAX (801) 974-5832 TOLL FREE (800) 225-1414

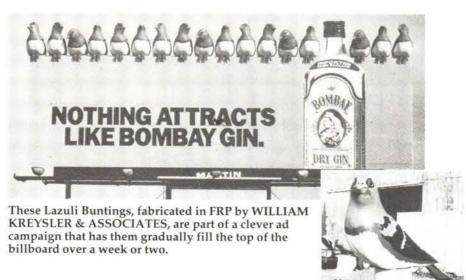


# EXTERIOR MOLDED ORNAMENT

For more information on these companies, consult the SourceList on pp. 43 & 44.



A legion of dry packed, cast-stone balusters with acid-etched finish. Produced by ARCHITECTURAL CAST STONE, INC. Write in No. 331







FRP replica of a terra cotta ornamental piece from John Jay College in New York City, by ALPHA-ONE FIBER-GLASS EXTERIORS.



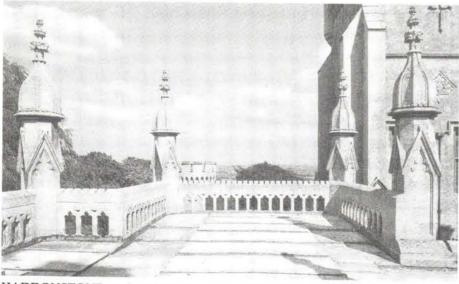
MJM STUDIOS created this fabulous gargoyle from an original design. Using SMOOTH-ON rubber mold compounds, a pair of them were cast in GFRC and now stand guard above an entrance to a building at 70th and Broadway in New York City. Write in No. 635 for MJM STUDIOS; No. 65 for SMOOTH-ON.



24 inch exterior plaster classical finial by DECORATORS SUPPLY CORP.



FELBER STUDIOS worked from historic photographs and existing originals to replicate the balcony railing and ornate FRP brackets for Locust Court in Philadelphia. Write in No. 289



HADDONSTONE produced replica pinnacles to replace damaged originals at Belvoir Castle, Rutland, using cast stone. Write in No. 847



MOLDED FIBER GLASS fabricated this self-supporting FRP dome and columnenhanced base, which sits atop Criswell College. Write in No. 922

# ARCHITECTURAL STONEWORK

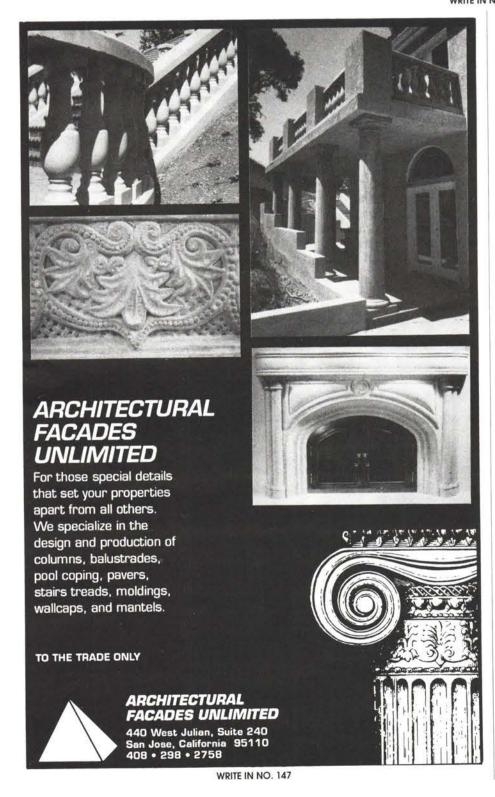


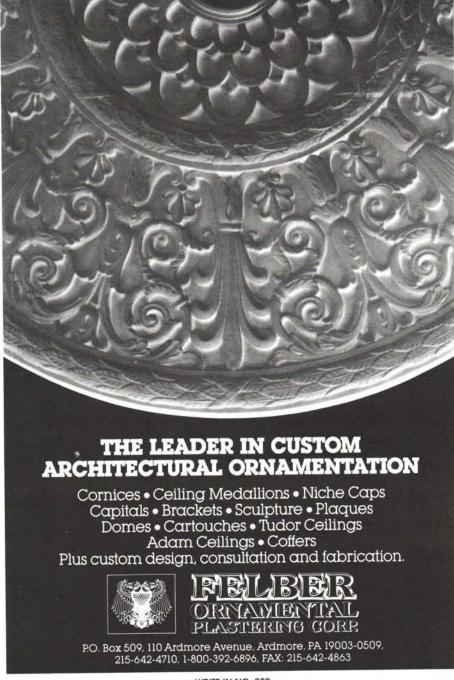
For the full Haddonstone Collection, send \$10 for our 88-page color catalog



HADDONSTONE (USA) LTD.

201 HELLER PLACE, INTERSTATE BUSINESS PARK BELLMAWR, NEW JERSEY 08031 TEL.: (609) 931-7011 FAX: (609) 931-0040



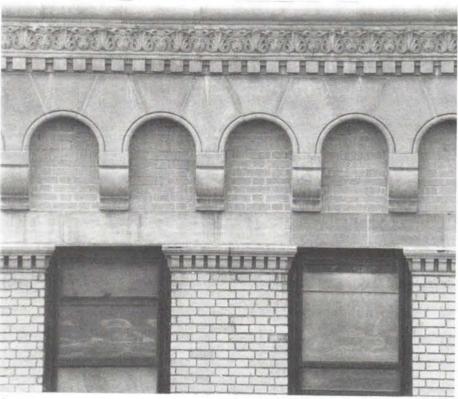


# EXTERIOR MOLDED ORNAMENT

For more information on these companies, consult the SourceList on pp. 43 & 44.



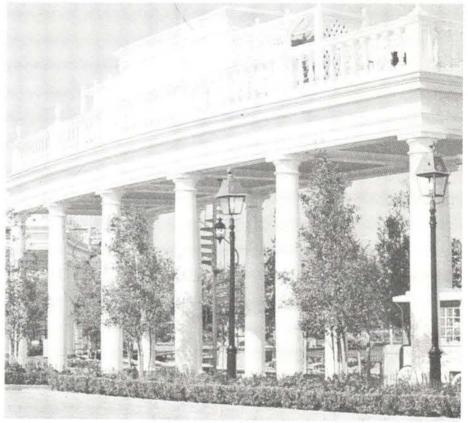
"Stuart Style" fiberglass cornice in New York City by ARCHITECTURAL FIBERGLASS CORP. Write in No. 640



GFRC cornice restoration by DAVID KUCERA, INC.



Workers are installing painted, cast-aluminum replacement sections for the dome of the Westmoreland County Courthouse in Greensburg, Pennsylvania, built in 1909. The original terra cotta cladding on the dome failed in 1977 and was replaced by another terra cotta dome in 1978, which also failed. The architectural restoration firm Wiss, Janney, Elstner Associates, Inc. was engaged to investigate the failure and engineer a design for recladding. HISTORICAL ARTS & CASTING, INC. was chosen to fabricate and install the project. Write in No. 121



EDON design-engineered and produced the FRP columns, cornices and balustrades in this covered walkway. Write in No. 189



Polychrome glazed terra cotta arcade by BOSTON VALLEY TERRA COTTA. Write in No. 16



The joints on these GRC Doric columns are treated with a specially formulated exterior joint compound to achieve a monolithic surface. WEATHER ROK BY PLASTERGLAS, INC.

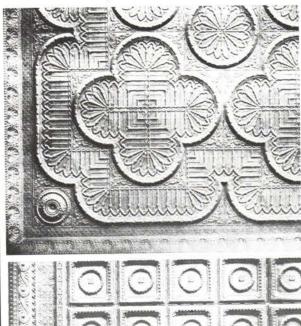
■ TRADITIONAL BUILDING

# The Nation's Most Complete Collection Of

# **Architectural Sheet Metal**

### Decorative Metal Ceiling & Wall Panels

Hi-Art™ Steel Ceiling systems are made using original 80-year-old dies. The Hi-Art™ line includes center plates, corner plates, border plates, cornice and filler plates — permitting classic designs proportioned for an exact fit. Over 140 patterns in either steel or copper.



Write for 72-page Sheet Metal Ceiling Catalog. Or Circle No. 52

### Pressed Metal Siding

Pressed metal siding from turn-of-the-century dies: lightweight, durable, economical. Brick, Rock-Faced Brick, Pitch-Face Stone, and Cluster Shingle.

Write for Pressed Metal Siding brochure.

### **Sheet Metal Ornaments**

Our 94-year-old line of sheet metal ornament contains over 1,300 items available in zinc or copper.

- \* Cornices \* Window Hoods \* Moldings \* Lintels \* Capitals \* Brackets \* Corbels \* Rosettes \* Balusters \* Urns \* Capitals \* Festoons \* Finials \* Scrolls \* Leaves \* Friezes \* Canopies
  - \* Marquees \* Glass pendant frames \* Cresting \* Garlands \* Panel Ornaments \* Lion Heads \* Conductor heads & fittings \* Weathervanes



Send for 84-page Sheet Metal Ornament Catalog.

## Metal Roofing Shingles

Original 1908 line of metal roofing shingles . . . available in galvanized steel or solid copper. Spanish Tile, Mission Tile, Victorian, and Slate styles. Cresting, finials, and trim also available.



Write for Metal Shingles brochure

### **Custom Reproductions**

Our manufacturing process enables us to make reproductions of original panels on a custom basis . . . or to produce your original design. Call us to discuss your needs.

W.F. Norman Corp. P.O. Box 323 Nevada, MO 64772 800-641-4038

WRITE IN NO. 52

### 2 Convenient Ways To Send For Product Brochures

You now have TWO ways to get additional information from historical products advertisers in TRADITIONAL BUILDING:

1 FAX CONNECTION — This convenient Form (see pg. 73) provides an immediate "hot link" between you and historical products suppliers when you have an urgent project. Just fill the Form out ONCE and provide an outline of your information needs. Then FAX the Form to as many suppliers as seem relevant.

2 Product Information Postcard — We continue to offer the Product Information Postcard and Coupon (pg. 74) in every issue. This is still the most convenient and cheapest way to get product information — as long as you can wait 4-5 weeks for it to arrive.

# Elegance in Exterior Millwork



CDM's ever-expanding line of decorative moldings in high-density polyurethane includes a variety of entrance features, window treatments, finish mouldings, and many other decorative and specialty features. (Shown: Arched trim from the Renaissance Series). Call or write for free color catalogue.



CUSTOM
DECORATIVE MOULDINGS
P.O. Box F, Greenwood, DE 19950
(800) 543-0553 (302) 349-4937

WRITE IN NO. 908

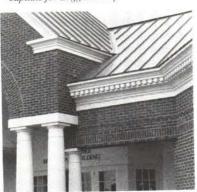
### Architects Are No Longer Restricted By Traditional Materials



28' dia. golden FRP dome and white base for the Criswell College Library in Dallas, TX.



30" dia. FRP column covers & corinthian capitals for Leggett's Department Stores



FRP cornice & column covers for the Kernersville Municipal Building in Kernersville, NC.

Why compromise your design when composites give you more control and choices. Traditional architectural materials rely on the vanishing skills of wood carvers, stone masons, & metal craftsmen.

Fiber Glass Reinforced Plastic (FRP) is the architects' choice over wood, stone, metal, marble, terracotta and reinforced concrete because its strong, lightweight, maintenance free, & allows for greater design flexibility.

Your next project can also benefit from these products along with these services:

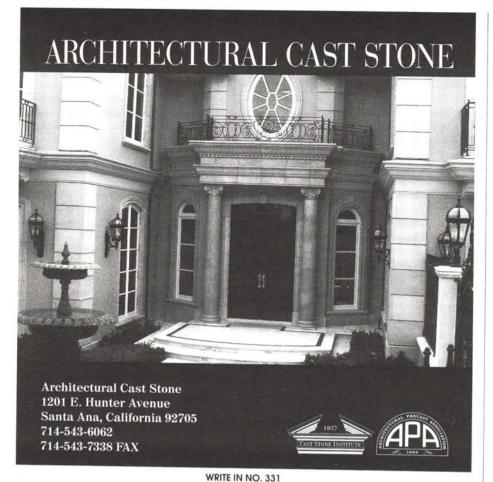
- Design
- Engineering
- Drawings
- Budget Estimates
- Planning Aid
- Product Manufacturing
- Field Support

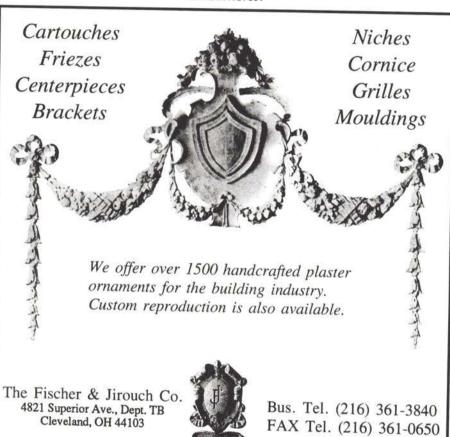
Call us Toll Free today & discover creative freedom & lasting beauty designed for the life of your building.

MFG

Molded Fiber Glass/Union City 55 Fourth Avenue, Union City, PA 16438 800-458-0863 (814) 438-3841 FAX 814-438-2284

Molded Fiber Glass Companies/West 1130 Watson Center Road, Carson, CA 90745 800-824-3389 (213) 549-5044 FAX 213-549-5056





WRITE IN NO. 196

## Cast Plaster Architectural Elements:

Cornices/Medallions Capitals/Pedestals Brackets/Plaques Custom Molding Restoration, etc.



## ARCHITECTURAL SCULPTURE LTD.

242 LAFAYETTE ST., DEPT. TB, NY, NY 10012 (212) 431-5873

WRITE IN NO. 245

## BOSTON VALLEY TERRA COTTA **Architectural Terra Cotta** for Restoration and New Building



Our highly experienced ceramic engineers & technical R&D staff specialize in:

- · Matching original pieces
- · Moldmaking & ram pressing
- Restorations or new installations.
- Custom-made roof tile

Write for our literature and client list.

95 Madison Ave., NYC. Architect: Walter Melvin

# BOSTON VALLEY TERRA COTTA

6860 S. Abbott Road, Orchard Park, NY 14127 716-649-7490

WRITE IN NO. 16

# **Build With Pieces of History**



Now available in very limited quantities — authentic, decades-old, unused clinker brick. Due to changes in brick manufacture, when these are gone there won't be any more. Write for free literature or send \$10 for price list, color photos, and sample brick. We do Custom Brick Engraving.

> The Brickyard P.O. Box A Harrisonville, MO 64701

WRITE IN NO. 396

## —"CONCERNED CRAFTSMANSHIP"

ARCHITECTURAL FIBERGLASS CORP.

CORNICE SPECIALISTS • STANDARD & CUSTOM SHAPES

# MOLDED FIBERGLASS FOR RESTORATION & NEW CONSTRUCTION

- EXACT DUPLICATIONS
- LANDMARK PRESERVATION
- CORROSION RESISTANT
- WATERPROOFING
- MOLDED-IN COLOR & FINISH
- FIRE RETARDANT CLASS 1
- LIGHT WEIGHT
- COST EFFICIENT
- TERRA COTTA REPRODUCTION
- BALCONY REPLACEMENT
- BALUSTRADES & FASCIAS
- COLUMNS & PILASTERS

Call Or Write For Free Consultation 1395 Marconi Blvd., Copiague, N.Y. 11726 • 516-842-4772 • FAX 516-842-4790

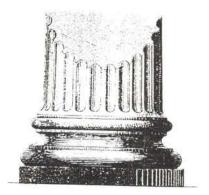
WRITE IN NO. 640



For immediate free product literature, use the FAX CON-**NECTION** on page 73.



10 116



■ TRADITIONAL BUILDING



Glass Fiber Reinforced Concrete (GFRC) is ideal for building rehabilitation or retrofit projects. Its light weight minimizes the load added to the existing structure.

- Design Flexibility in texture, pattern and surface finish allows it to blend with various construction materials.
- Craftsmanship Exact replicas of original ornamental work from landmark and other historic buildings can be produced with complete accuracy.

For a list of qualified GFRC manufacturers call the only company that provides the complete GFRC package.

YOUR RESOURCE FOR GFRC TECHNOLOGY



MOLLOY AND ASSOCIATES, INC.

P.O. BOX 515 HUTCHINS, TEXAS 75141 (214) 225-6106 Distributors of NEG AR Glassfiber

WRITE IN NO. 279





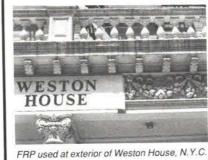
SCULPTURE STUDIOS, CO.

Architectural PLASTER

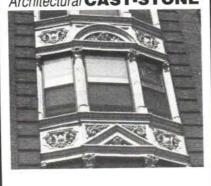


Historical restoration of St. Peter's Church, Hartford, CT

Architectural FIBERGLASS



Architectural CAST-STONE



The Art Home Studios, Inc. offers complete architectural sculpture service. Our proficient craftsmen are capable of replicating any architectural detail for historic renovations and restorations. Also, we are able to recreate new architectural design, utilizing GRG, FRP, GFRC, Cast-stone, Castmarble and cold-cast metal from architect's drawings.

Send us a sketch, photo, blueprint, or anything showing your concept for price estimate, or call us for assistance on site.

718-383-0603 FAX: 718-389-7578

64 HURON STREET BROOKLYN, NY 11222

WRITE IN NO. 643

Faster! Easier! More Versatile! Economical!

# ...Just Plain Better!

If your business is Architectural Restoration or New Decorative Pieces and your bottom line is what really counts, the professionals at *Smooth-On* can show you a better way to make molds.

Smooth-On molding compounds can be used onsite, and are readily pourable or "brushable" for painting onto vertical surfaces. Your mold will cure quickly to a durable rubber that will last and perform for you in a production mode - an exact copy of your original with flawless detail.



As Hyde Park Moldings in Long Island City, NY discovered that reproducing ornate 17' beams for the Jewish Museum Restoration Project in Manhattan was faster and easier using Smooth-On's PMC-121 molding compound. For details, call Eli at Hyde Park Moldings. Phone: (718) 706-0504.

It's easy to get started . . . Free working samples and technical help are available.

Call us - We're easy to talk to.



1000 Valley Rd. Gillette, New Jersey • 07933 Phone: (908) 647-5800 Fax: (908) 604-2224

Accept nothing less than Smooth-On molding compounds.

The difference is in the quality.

Smooth-On . . . your mold making partner  $^{\text{TM}}$ 

WRITE IN NO. 65

The Association for Preservation Technology International

APT XXV CAN — 25th Anniversary Conference Sept. 29 - Oct. 3 1993

# CALL FOR PRESENTATIONS Adapting In A Changing World

On its silver anniversary, APT finds itself in a conservation world marked by environmental concerns and competition for declining public and private resources. Wider views of heritage and new international perspectives are challenging traditional perceptions of value and authenticity in the built heritage. The enormous 20th century building stock is presenting new challenges in heritage inventory, evaluation, and protection. Past restoration and reconstruction projects require attention. Technology offers to simplify conservation with a host of new investigative and information management tools and other products.

APT CAN invites members and friends to the 1993 Conference to exchange experiences on how they are adapting to this changing world. Proposals are not restricted to paper presentations. They may include panel discussions, round tables, or other formats. An abstract of not more than 250 words is required for all formats. Abstracts are due by Jan. 15, 1993.

Mail Abstracts To:



Program Chair — APT CAN P.O. Box 2001, Station D Ottawa, Canada K1P 5W3 For more information: (819) 997-1066

# FORTON MG Casting System

Glass-Fiber Reinforced Gypsum System
For Architectural Elements

## **Forton MG**

- Interior / Exterior material Simple to use
  - Non-toxic Wide range of finishes
  - Rapid mold cycling Lightweight

## **GFRC**

- Forton polymer additive for GFRC
  - · Cem-Fil A-R fiber for GFRC



## Distributed by

# BALL CONSULTING, LTD. 338 Fourteenth Street Suite 201

Ball

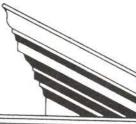
consulting ltd Ambridge, PA 15003 (412) 266-1502 FAX (412) 266-1504

The Leader In Architectural Casting Technology

WRITE IN NO. 726



1927



# CAST STONE INSTITUTE

The Cast Stone Institute is dedicated to improving the quality of Cast Stone and disseminating information about its use. The members listed below adhere to the quality standards established by the Institute, assuring you of the highest quality Cast Stone product.

American Art Stone Co., Inc. New Ulm, MN 56073 Phone: (507) 354-8835

American Concrete Products Omaha, NE 68117 Phone: (402) 331-5775

Arban Associates Dumfries, VA 22026 Phone: (703) 591-5868

Architectural Cast Stone, Inc. Santa Ana, CA 92705 Phone: (714) 543-6062

Architectural Concrete Co., Inc. Palmetto, GA 30268 Phone: (404) 463-1932

Craftstone Ltd. Banbridge, Co. Down N. Ireland, U.K. BT 32 4HL Phone: 44-846-692826

Classic Cast Stone of Dallas Garland, TX 75041 Phone: (214) 271-5000

Con Art, Inc. Cobb, GA 31735 Phone: (912) 853-5000

Cut Art Stone Co. Savannah, GA 31405 Phone: (912) 235-4680 Dallas Cast Stone Co., Inc. Dallas, TX 75210 Phone: (214) 428-6269

D.C. Kerckhoff Co. Naples, FL 33942 Phone: (813) 597-7218

Edwards Precast Concrete Co. Dubuque, IA 52003 (319) 556-0535

Miller Precast, Inc. Columbus, GA 31906 Phone: (706) 689-7982

Olympian Precast, Inc. Redmond, WA 98073 Phone: (206) 868-1922

W.N. Russell & Co. Westmont, NJ 08108 Phone: (609) 858-1057

Sun Precast Co. McClure, PA 17841 Phone: (717) 658-8000

Techcrete Architectural Precast Opa Locka, FL 33054 Phone: (305) 688-1461

Terra Cotta & Cast Stone Inc Shawnee, KS 66227 Phone: (913) 422-7575

### Technical Manual & Video

what Cast Stone is, its history, its manufacture, standard specifications, typical applications and shows best methods for anchoring and jointing of cast stone shapes to reduce both manufacturing and stone setting costs. \$35 ppd.

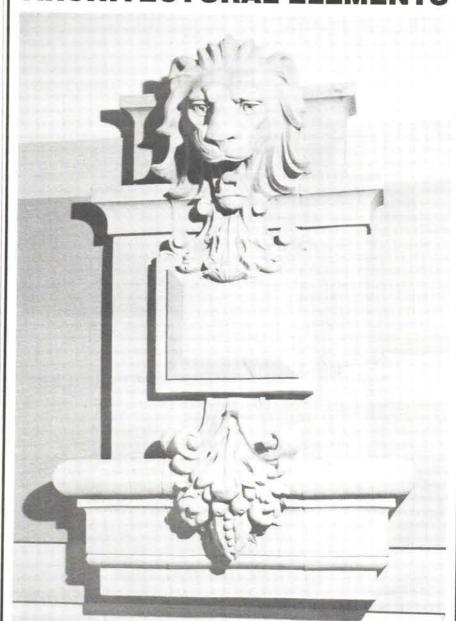
Our new video shows the architect or specifier fine examples of cast stone and step-bystep film of its detailing, mold making and manufacture. \$10 ppd.

### Cast Stone Institute

Pavillions at Greentree, Suite 408, Dept. TB, Marlton, NJ 08053 (609) 858-0271

WRITE IN NO. 647

# **ARCHITECTURAL ELEMENTS**



# GFRC.

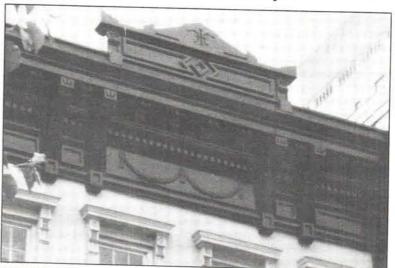
Providing design & finish flexibility nationwide for light weight, weather resistant, glass fiber reinforced concrete.

6001 North 60th St., Lincoln, Nebraska 68902 402-466-3200 FAX 402-466-2369

WRITE IN NO. 663

# M.B. WINSTON CORP.

Manufacturers of Glassfiber Reinforced Gypsum, Glassfiber Reinforced Cement and Glassfiber Reinforced Polyester Resin:



## COLUMNS, CORNICES, DOMES, VAULTS, LIGHTCOVES AND MOLDINGS

Tel (718) 388-1500 or Fax (718) 388-1968 300 Richardson Street, Brooklyn, New York 11222



# **INTERIORS CONFERENCE FOR** HISTORIC BUILDING II

The second national conference on the restoration and rehabilitation of interiors in historic buildings. More than 80 leading experts as speakers, new comprehensive handbook, special seminars, and behind-the-scene field inspections.

Featuring traditional artisanry and new technologies, conservation and rehabilitation options, computer applications, building codes, and cost considerations.

A wide range of topics, including lead paint abatement, mechanical systems, flooring, wall coverings, and building-designed furnishings.

> FEBRUARY 17-19, 1993 WASHINGTON, D.C.

SUPPORTING GROUPS: NATIONAL PARK SERVICE • TRADITIONAL BUILDING MAGAZINE • GENERAL SERVICES ADMINISTRATION • NATIONAL INSTITUTE FOR THE CONSERVATION OF CULTURAL PROPERTY • AMERICAN SOCIETY OF INTERIOR DESIGNERS • NATIONAL TRUST FOR HISTORIC PRESERVATION • GEORGIA INSTITUTE OF TECHNOLOGY • OLD-HOUSE JOURNAL • ASSN. FOR PRESERVATION TECHNOLOGY INTERNATIONAL AND WASHINGTON CHAPTER • NATIONAL CONFERENCE OF STATE HISTORIC PRESERVATION OFFICERS • HISTORIC PRESERVATION EDUCATION FOUNDATION • AMERICAN ASSOCIATION OF MUSEUMS

FOR INFORMATION: INTERIORS CONFERENCE AND EXPOSITION II • P.O. BOX 77160 • WASHINGTON, D.C. 20013 • (202) 343-9578

# AND THE **EXPOSITION FOR** HISTORIC BUILDINGS II

Over 50 select companies from here and abroad exhibiting products and services for the restoration and rehabilitation of historic interiors.

Educational displays, demonstrations, and opportunities to meet top company officials.

A must for architects, curators, interior designers, conservators, contractors, property owners, building managers and preservation officials.

> FEBRUARY 17-19, 1993 WASHINGTON, D.C.



Division 5: METALS



### **Custom Crafted** Since 1908

From concept to completion Leitelt Brothers has the experience and expertise to produce architectural, ornamental and decorative castings in brass, bronze and aluminum. Our commitment to quality, reliability and service continues to be our number one priority.

### EITELT BROTHERS

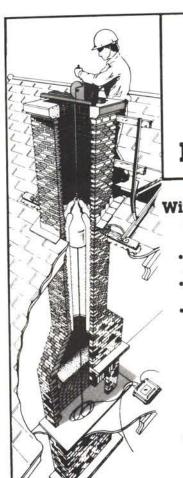
Brass and Aluminum Founders South Chicago Ave. • Chicago, IL 60619 312-721-1186 FAX 312-734-0874

WRITE IN NO. 874



WRITE IN NO. 606

WRITE IN NO. 278



# AHRENS

# Relines/Restores Masonry Chimneys

With The ONLY UL Listed, Two-Liner Cast-In-Place Masonry Process

- First liner insulates and strengthens
- Second liner seals and protects
- acids and moisture
- No guess work. Mechanically applied
- No exterior alterations
- •No metal to corrode Both are immune to Improves heating
- efficiency -All for a fraction of the cost of rebuilding

Dealership network nationwide. Call or write for more information.



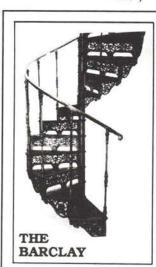
AHRENS technique

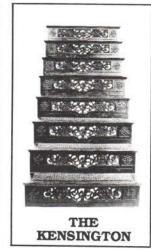
2000 Industrial Ave. Sioux Falls, SD 57104

1-800-843-4417

WRITE IN NO. 244







### Steptoe Manufactures & Distributes Quality **Restoration Products:**

- Cast iron spiral staircases
- Cast iron straight staircases
- W.F. Norman steel ceilings (Canada only)
- Anaglypta & Lincrusta embossed wallcoverings (Canada
- Shower convertos for old tubs
- (Canada only) Brass & steel railing systems
- Lawler cast iron railing & architectural detail (Canada only)
- Custom casting
- Solid teak garden furniture
- Plaster cornice & medallions
- Wood cornice moulding
- Exterior lighting

(416) 530-4200 FAX (416) 530-4666 100 Years Behind the Times.™

322 Geary Avenue

TORONTO, ONTARIO M6H 2C7

WRITE IN NO. 47

## PATINA FINISHES

Green, Blue & Burgundy

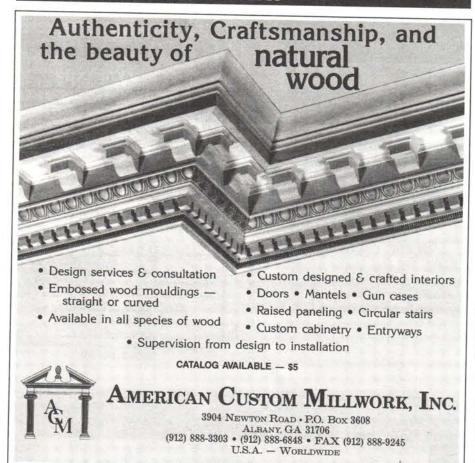
# REAL COPPER COATINGS

For use on Gutters, Down spouts, Roofs, Drywall, Iron work, Doors, Wood, Sheet metals, Cement and many other surfaces.

> Call Toll Free for a Brochure 1-800-882-7004

> > WRITE IN NO. 315

### Division 6: WOOD & PLASTICS



WRITE IN NO. 678



Preservation Resource Group THE SOURCE FOR PRESERVATION INSTRUMENTS, TOOLS, PRODUCTS AND BOOKS



CHECK YOUR CALENDAR

We Invite You To Visit The PRG Booth and see our many products for the Preservation Professional

> & EXPOSITION II Washington, DC February 17-19, 1993



### PRG CATALOG

The 1993 catalog is now available. Write, Call or Fax us to obtain your copy.





### **TEMPERATURE &** HUMIDITY

RECORDERS For Monitoring Museums and Historic Sites Contact PRG about the

> RELIABLE **RYANS**

PRG P.O. Box 1768 Rockville, MD 20849-1768 USA (301) 309-2222 FAX (301) 279-7885

WRITE IN NO. 303



# **EPOXY ADHESIVES**

# **ARTIFACT** RESTORATION

MOULDINGS







COLUMNS





EPO-TEK 301,301-2 Clear, low viscosity, room temperature cure systems for impregnating wood & bonding glass ect.

EPO-TEK 730 Soft smooth epoxy paste bonds furniture, frames, piano keys - its uses are unlimited

Epoxies are convenient to use, strong, solvent free. Resistant to moisture and mild chemicals.

Used by museums and artisans in restoration of priceless treasures

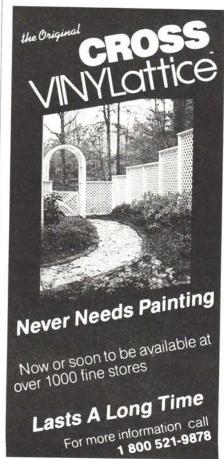
For more information call, phone

Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 1 800-227-2201 Phone: (508) 667-3805 Fax: (508) 663-9782





WRITE IN NO. 797



WRITE IN NO. 23

## **EXTERIOR WOOD SHUTTERS**



Hard-To-Find Wood Shutters with moveable louvers can be used outdoors or in. Fixed louver, raised panel, and custom arches also available. Order unfinished or primed and painted. Hinges and holdbacks shipped daily

> Brochure: (203) 453-1973 SHUTTERCRAFT 282 Stepstone Hill Guilford, Conn: 06437

> > WRITE IN NO. 44



pegged mortise & tenon joints, you're guaranteed a shutter's cornerstone of integrity.

Specify authenticity; specify Kestrel. **KESTREL MANUFACTURING** Dept. TB-11, St. Peters, PA 19470-0012 tel (215) 286-5341 fax (215) 286-5466

WRITE IN NO. 799

# AND PANELING

OAK AND PINE

For easy installation of beautiful floors, Craftsman Lumber Company offers:

- Dried properly in our own kilns.
- Edges jointed straight and true.
- All boards meet, or exceed. NELMA specifications.
- 100% of order is usable when received. No defect allowance necessary.
- Knowledgable advice and information on proper installation.
- Warranty on all products.

Wide boards from Craftsman Lumber Company have been satisfying architects, builders and homeowners nationwide since 1974. All our boards are created exactly to your specifications. Send \$2.00 for literature and grading photos, or phone Charles Thibeau at (508) 448-6336.

The Craftsman Lumber Company Box 222T, 436 Main Street Groton, Massachusetts 01450

DIVISION 6 - WOOD & PLASTICS ■ TRADITIONAL BUILDING

# The Answers To Your Toughest Restoration And Repair Problems...

### ■ WOOD RESTORATION

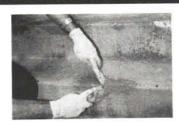


**LiquidWood** and **WoodEpox** give new life to severely rotted windowsills, sash, frames, shutters, columns, antiques, decorative wood elements. The Abatron system is especially valuable when original wood must be saved for historic reasons. LiquidWood consolidant reinfor-

ces and waterproofs by hardening after penetrating. WoodEpox structural adhesive putty fills, repairs, and replaces missing wood. It can be sanded, milled, stained, etc., like wood.

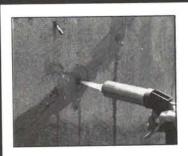
### CONCRETE RESTORATION

ABOCRETE patching and resurfacing cement/grout welds permanently to concrete, metal and wood. Structurally and chemically superior to concrete. Patches and resurfaces floors, driveways, work areas, structures, columns, decks, pitted



and spalled surfaces for industrial, marine, institutional and residential

### **■ CRACK-INJECTION**



ABOJET structural crack-injection resins are proven to restore structural integrity to cracked load-bearing elements, such as foundations, abutments, swimming pools, concrete pipes, columns, and sculptures. ABOJET resin is injected into the crack, filling and welding it. ABOJET makes a permanent bond that is stronger

than concrete. ABOJET welds concrete masonry, marble, stone, wood, ceramics, metals, stucco, and gypsum.

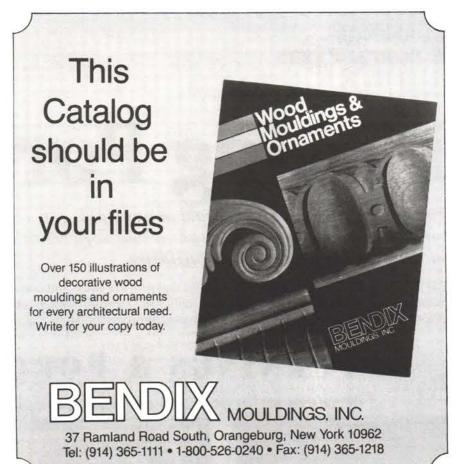
 For additional information on these cost-effective restoration materials, contact:



ABATRON, INC.

33 Center Drive, Dept. TB, Gilberts, IL 60136 Phone: (800) 445-1754 or (708) 426-2200 FAX: (708) 426-5966

WRITE IN NO. 130



WRITE IN NO. 578

# Your Award-Winning Source for Elegant Woodwork



Everything you need in Victorian gingerbread, turnings and carvings, in premium grade solid hardwoods. Factory-direct savings.

Period Bars, Backbars, Servers, Ceilings, Seating, Gazebo Kits & accessories.

We'll build to your specifications, supply any or all component parts. Complete custom design services.

Interior/exterior restoration projects, Victorian to Ultra-Con-

temporary, our specialty. Send for Catalog. Over 135 color pictures of products and design ideas. \$4.50. Free if ordered on Company letterhead.









Expo Blue Ribbon Winner

Dept. 190

WRITE IN NO. 131

ECOLOGICALLY SOUND WOOD PROTECTION

## WOOD PRESERVATIVE INSECTICIDE / FUNGICIDE

- Odorless
- Colorless
- Long Term Protection
- Low Toxicity

BORA-CARE " is an odorless, borate /glycol liquid wood p patented formulation allows the active ingredient to penetrate deep into the wood. BORA-CARE provides a preservative treatment that protects the wood from decay and wood destroying organisms. BORA-CARE is also effective against active infestations and prevents their return. BORA-CARE can be applied to old or new wood by brush, spray or fogging device. BORA-CARE treated wood is safe to touch and handle. BORA-CARE will not change the appearance of the wood and will not effect painting or staining. This makes it ideal for historic properties and museum settings.

FAX (301) 279-7885 Distributed by PRG P.O. Box 1768, Rockville, Maryland 20849-1768 PHONE (301) 309-2222

# Picking Porch Parts

The architectural ornamentation available for porches and entryways can make a vast difference in the way one approaches a building.

The following *SourceList* describes companies that provide wood and polymer elements for porches and entryways — columns, railings, turned posts, gingerbread, and steps and stairs. Many parts may be ordered as stock, but most

shops offer some custom capabilities. Of the 123 companies solicited, the Editors selected 38 that seemed most appropriate for our professional audience.

### **Instant Access to Product Literature**

If your office qualified to receive the 1992 TRADITIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of turnings and porch parts:

• Chadsworth • Remodelers & Renovators Supplies • A.F. Schwerd Mfg. Co.

# TURNINGS & PORCH PARTS PORTFOLIO

For more information on these companies, consult the SourceList on pp. 60 & 62.



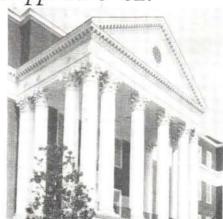
ARISTOCAST's GRP canopy is one of 9 styles; 2 offer a concealed gutter, which drains through the front left column. Write in No. 237



VINTAGE WOOD WORKS' stock porch posts, newels, balusters, gingerbread, fretwork, and trim. Write in No. 318



Custom exterior ornamentation in redwood for a new residence in Houston. WOOD FACTORY Write in No. 712



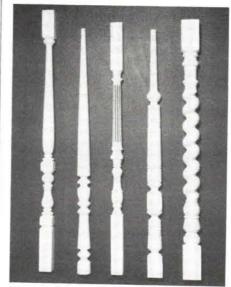
Twelve 36in. x 29 ft. Corinthian columns and capitals created for the library at the University of Maryland by SCHWERD's WOOD COLUMNS. Write in No. 161



Custom turnings in pine and mahogany by BOSTON TURNING WORKS.



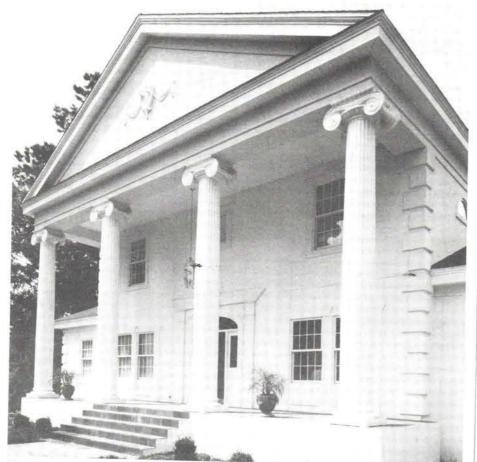
Softwood balusters and plain, stave columns from NORD COMPANY.



Sample balusters from AMERICAN WOOD COLUMNS feature spirals, flutings, twists, and curves. Write in No. 95



These landing and stair parts were turned and sawn by CLASSIC ARCHITECTURAL SPECIALTIES. Write in No. 904



Greek Erectheum columns measure 22 in. dia. x 18 ft. tall. CHADSWORTH COLUMNS Write in No. 18



Newels, balusters, and porch posts are created from all-heart California Redwood by PAGLIACCO TURNING AND MILLING. Write in No. 707

DIVISION 6 - WOOD & PLASTICS ■ TRADITIONAL BUILDING



WRITE IN NO. 680





Somerset Door & Column Co. Box 328, Somerset, PA 15501 In PA (800) 242-7915 Outside PA (800) 242-7916 Fax (814) 443-1658

WRITE IN NO. 66









COLUMNS - Schwerd columns are durable. Our 120+ vears of ex-

perience in No. 150 R manufacturing wood columns has proven that the durability of a wood column depends

upon the strength of

the joint and the quality and thickness of the wood. Schwerd column construction was developed to meet each specific requirement. The wood is thoroughly seasoned Northern White Pine. The pride of craftsmanship and skilled techniques acquired by 120 years of specialized experience is applied. The resulting product is a "Schwerd Quality Column" specified by architects with complete confidence. Both standard and detail columns can be furnished from 4 in. to 50 in. in diameter and up to 35 ft. in length

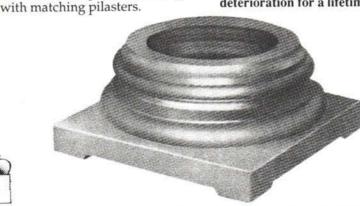
one of our old customers during the many years since our

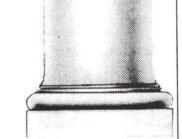
beginning in 1860, you know our product; if not, send us your inquiries and orders and join our list of satisfied customers.

### ■ SEND FOR OUR FREE CATALOG

Schwerd's complete aluminum bases for 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, and 30 in. dia. columns.

Schwerd's - Aluminum ventilated plinth and aluminum turned member base are manufactured of thick metal and are recommended for all exterior columns in the above diameters to provide a maintenance free, seamless base which is guaranteed against deterioration for a lifetime.



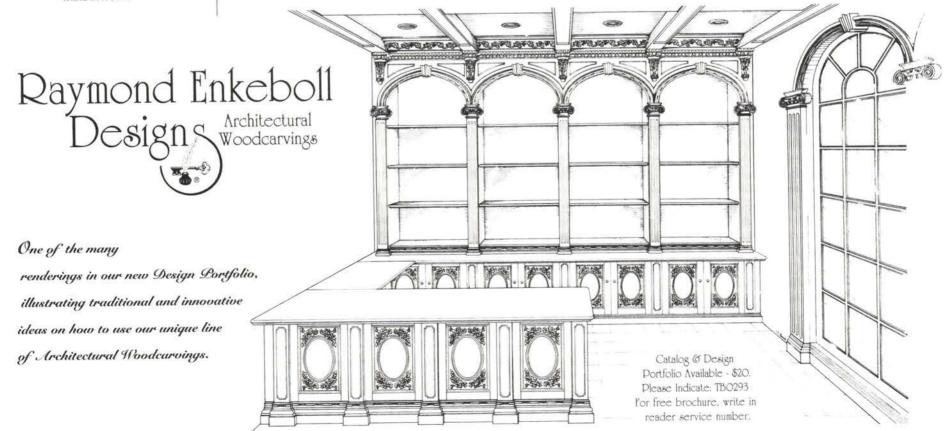


A. F. SCHWERD MANUFACTURING COMPANY telephone: 412-766-6322

3215 McClure Avenue

Pittsburgh, Pa. 15212

WRITE IN NO. 161



Factory and Showroom: 16506 Avalon Boulevard Carson, California 90746 Tel: (310) 532-1400 Fax: (310) 532-2042



# TRADITIONAL BUILDING'S CSI# 06400 URNINGS & PORCH PARTS SourceList

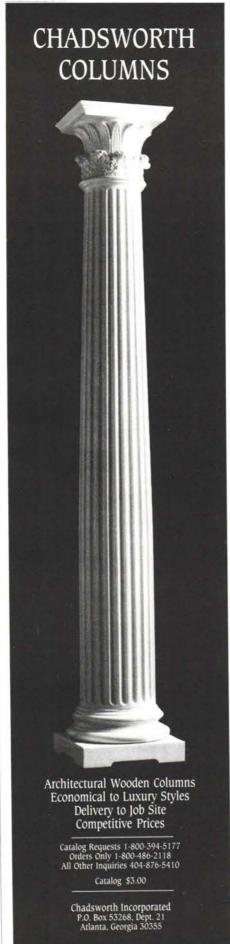
▼ COMPILE	ED BY JUDITH SIEG	EL LIEF							8
COMPANY	SPECIALTY	Literature	P C	R C H	P A R	S & T	URNI Steps & Stairs	1	% Custo
Abaroot Manufacturing Co., Inc. 21757-1/2 S. Western Ave., Dept. TB Torrance, CA 90501 (310) 320-8172	Exterior wood columns in hardwoods and softwoods; fluting, capitals, bases, pilasters all turnings.	Free Write in No. 805	Stavework solid columns	Posts, newels, balusters				Finials	75%
American Wood Column Corp. 913 Grand St., Dept. TB Brooklyn, NY 11211 (718) 782-3163	Wood columns to 36 in. dia.; all types of porch parts, balusters, newel posts; all size finials; any wood specified.	Free Write in No. 95	Stavework	Posts, newels, balusters	•	•		Fluted & twisted balusters, stair brackets & scrolls, ball-top finials	50%
Anthony Wood Products, Inc. Box 1081, Dept. TB Hillsboro, TX 76645 (817) 582-7225	Complete line of Victorian gingerbread	. Free Write in No. 602		Posts, newels, balusters	•	•		Finials	20%
Architectural Distributors, Inc. Merchandise Mart, Ste. 13-165 Chicago, IL 60654 (312) 661-1666	Distributors of architectural ornamentation for interior and exterior projects, including selection of stair parts, balusters, posts, and columns in wood and polymers.	Free	Stavework, polymer	Posts, newels, balusters	•	•		Sawn balusters & ornament	25%
Aristocast Originals, Inc. 1119 Cobb Pkwy, Dept. TB Marietta, GA 30062 (404) 427-5544	Manufacturers of fiberglass, and reinforced resin; custom and stock.	Free Write in No. 237	Polymer porch columns	Resin posts, newels, balusters	•	•			30%
Boston Turning Works 42 Plympton St., Dept. TB Boston, MA 02118 (617) 482-9085	Turned wood columns, porch posts, balusters, and finials.	Free	Stavework	Posts, newels, balusters					90%
Center Lumber Co. P.O. Box 2242, Dept. TB Paterson, NJ 07509 (201) 742-8300	This 100-yrold mill specializes in domestic and imported hardwoods; 1,400 molding profiles; curved and straight.	Free Write in No. 680	To order	To order	•		To order	Architectural millwork	100%
Chadsworth P.O. Box 11050, Dept. TB Goldsboro, NC 27532 (919) 778-2547	Columns and capitals representing each of the Classical Orders are manufactured from clear Western softwood using true entasis; fluted and plain.	Free Write in No. 18	Stavework						
Classic Architectural Specialties 3223 Canton St., Dept. TB Dallas, TX 75226 (800) 662-1221 (214) 748-1668	Complete selection of columns, posts, fretwork, brackets, balusters (turned and sawn) and "uncommon ornamentation."	Free Write in No. 904	Stavework, polymer	Posts, newels, balusters		•		Sawn balusters, and ornament	10%
ML Condon Company, Inc. 250 Ferris Ave., Dept. TB White Plains, NY 10603 (914) 946-4111	This company will turn moldings, railings, balusters, columns, and more in an extensive variety of wood species. Can work from drawings.	Free Write in No. 401		Posts, newels, balusters	•			Moldings, other custom turnings	90%
Crown Heritage Box 5456, Dept. TB Lenoir, NC 28645 (800) 745-5931	Architectural products include an exterior line of box newels, handrails, and balusters in pine and redwood. Also complete interior stair systems.	Free		Balusters, newels	•				10%
Cumberland Woodcraft Co., Inc. P.O. Drawer 609, Dept. TB Carlisle, PA 17013 (717) 243-0063	Complete line of turnings and porch parts, including balusters, railings, brackets, fretwork, gable treatments, and more made from premium-grade solid hardwoods; custom work.	Free on company letterhead Write in No. 131	Polymer porch columns	Posts, newels, balusters	•	•			25%
Dugwood Turners 6 W. Cary St., Dept. TB Richmond, VA 23220 (804) 788-8037	One-man shop specializing in the reproduction of stair and furniture components.	Free		Posts, newels, balusters					100%
Fagan Design and Fabrication 44 Railroad Ave., Dept. TB West Haven, CT 06516 (203) 937-1874	Architectural columns and turnings — either custom or traditional designs; fluting and spiral rope twists. Diameters to 12 ft.; lengths to 36 ft.	Free Write in No. 821	Wood columns and capitals	Posts, newels	Curved railings		•	Spiral & rope twist, porch posts, newels	100%
Gazebo & Porchworks 728 9th Ave. SW, Dept. TB Putallup, WA 98371 (206) 848-0502	Turned porch parts, round columns, turned and sawn balusters with railing. Also brackets, corbels, gable trims.	Send \$2 for catalog	Stavework	Posts, newels, balusters	•	•			10%
House of Moulding 15202 Oxnard St., Dept. TB Van Nuys, CA 91411 (818) 751-5300	Turned balusters and newel posts; carved and sawn corbels; cornice and decorating trim.	Call for catalog		Posts, newels, balusters	•	•		Finials, fluted & twisted balusters & newels	20%
J.B. Custom Woodturning P.O. Box 570, Dept. TB Lynn, MA 01905 (617) 599-6221	This shop turns finials, balusters, newels, and porch posts up to 8 ft. L. Also turned rosettes and face-plate turnings up to 5 ft. dia.	Free Write in No. 273		Posts, newels, balusters				Column bases	100%
osef's Art Woodturning & Son 71 Sewell St., Dept. TB Hempstead, NY 11550 (516) 489-3080	Columns in 16 ft. lengths and 32 in. dia.; fluting, rope, reeding, twists.	Free Write in No. 31	Stavework	Posts, newels, balusters	•			Capitals, bases	100%
Patterson, NY 12563	This custom millwork shop does turnings up to 15 ft. L. and 8 ft. dia.; milling up to 32 ft. L. Also spindle duplication; turned posts and newels.	Free Write in No. 274	Solid columns	Posts, newels, balusters	•	•	•	carving, scroll	100%
RR1 Box 2947, Dept. TB Sanford, ME 04073 207) 324-9597	Author of: Practical Restoration Report: Complete descriptions of useful techniques, drawings and photos; Wood Column Report: Condition assessment, repairs, buying, installation; Epoxy Report: Repairs of decayed wood.	Free description and order form						work	



WRITE IN NO. 602

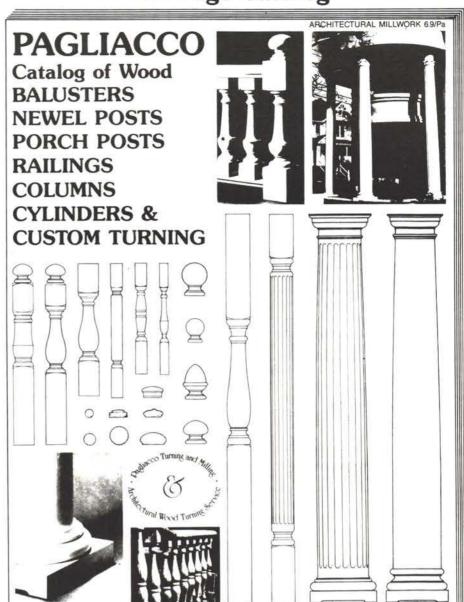


WRITE IN NO. 904



WRITE IN NO. 18

# 24 Page Catalog



Our catalog shows a complete range of architectural turnings. All products incorporate design authenticity, skilled craftsmanship and quality materials.

VICTORIAN TURNINGS & MILLWORK Designs are based on manufacturers' catalogs from 1870 to 1920.

### **CLASSIC COLUMNS**

Accurately reflect the Greek & Roman orders with true entasis & details.

### CALIFORNIA REDWOOD

Rox 225 TB 24973 All products are available from decay & termite resistant clear-heart Redwood. Interior turnings are available from Oak & Mahogany.

For your catalog, send \$6 (no charge to designers, builders & dealers when requested on Company letterhead)

WRITE IN NO. 707







Woodacre, CA 94973 Telephone:

(415) 488-4333



# TRADITIONAL BUILDING'S CSI# 06400 URNINGS & PORCH PARTS SourceList

COMPANY	SPECIALTY	Literature	PO	RCH	PART	' S &	TURNI	NGS	9
- S. AMERICANI (1997) (1997)			Columns	Turnings	Railings	Gingerbread			Cus
Mad River Woodworks P.O. Box 1067, Dept. TB Blue Lake, CA 95525 (707) 668-5671	Typical of this millwork shop: 6 x 6 posts and newels, turned or sawn; 3 styles of stock posts and newels; also custom work.	Free Write in No. 35		Posts, newels, balusters	•	•		Corbels, spandrils	65
Mansion Industries, Inc. P.O. Box 2220, Dept. TB Industry, CA 91746 (800) 423-6589	Balusters in 2x3, 3x3, 4x4, 6x6 in redwood, cedar, Douglass fir. Also rails, porch posts in 4x4 and 6x6; Victorian gingerbread, brackets, and spandrels.	Free		Posts, newels, balusters	•	•			
Mohamad Wood Turning Corp. 28 Meadow St., Dept. TB Brooklyn, NY 11206 (718) 417-0025	This all-custom shop turns balusters, posts, columns, newels — flutes, reeds, hollow spirals, diamond cuts; spirals from 18 in. dia. and 9 ft. L.; columns 36 in. dia. to 30 ft. L.	Free Write in No. 5	Stavework	Posts, newels, balusters	•		•	Spirals, twists, reeding, fluting	100
Moultrie Manufacturing Co. P.O. Box 1179, Dept. TB Moultrie, GA 31776 (800) 841-8674	Extruded aluminum columns in round, Colonial square, and square plantation styles. Also decorative capitals and bases to complement; decorative aluminum railing; ready-to-install.	Free	Metal porch columns		•				
National Decks, Inc. P.O. Box 722, Dept. TB Andover, NY 14806 (607) 478-5252	Custom turner of balusters, newels, posts; other architectural details.	Free		Posts, newels, balusters		•			95
New England Woodturners 75 Daggett St., Dept. TB New Haven, CT 06519 (203) 776-1880	Column and porch post lengths up to 16 ft.; diameters to 14 in.; baluster duplicating; all styles; any species.	Free Write in No. 354	Stavework	Posts, newels, balusters	•	•		Finials, corbels, brackets, sawn balusters and ornament, twist flute, corkscrew	100
Nord Company P.O. Box 1187, Dept. TB Everett, WA 98206 (800) 426-1718	Softwood balusters, spindles, handrails, newels; stave columns — plain and fluted; decorative caps and porch posts.	Free	Stavework	Posts, newels, balusters	•			liute, corrsciew	
O'Connor's Cypress Woodworks P.O. Box 712, Dept. TB Washington, LA 70589 (318) 826-7749	This shop fabricates cypress brackets, headers, adjustable gable ornaments, and swings.	Free				•		Swings	0%
Osborne Wood Products, Inc. Rte. 3, Box 551, Dept. TB Foccoa, GA 30577 (800) 849-8876	Custom balusters, newels, and finials; custom work.	Free Write in No. 282		Balusters, newels				Finials	859
Pagliacco Turning & Milling P.O. Box 225, Dept. TB Woodacre, CA 94973 (415) 488-4333	Columns of all sizes; porch posts 6 in. and up; newels 4 in. and up; balusters 1-5/8 in. and up. Custom turning and milling. Kiln-dried clear all-heart redwood; long lengths.	Free Write in No. 707	Stavework featuring true entasis	Posts, newels, balusters	•			Finials, sawn balusters, brackets, spandrels, rosettes, curved rail	30%
Precision Turnings 2197 Canton Rd., Dept. TB Marietta, GA 30066 404) 425-6486	Custom turnings in wood as specified.	Free		Balusters				Cuived rail	100
Rich Woodturning, Inc. 98 NW 29th St., Dept. TB Miami, FL 33127 305) 573-9142	This 4th-generation shop specializes in custom turnings, including spirals, fluting, reeding, and custom matching. (No setup or knife charges.)	Free	Stavework	Posts, newels, balusters	•	•	•	Restoration Specialists	60%
Saco Mfg. & Woodworking P.O. Box 149, Dept. TB Saco, ME 04072 207) 284-6613	Turnings from this shop from 2-24 in. dia. Staved columns, porch posts, newels, balusters, finials; fluting.	Free	Stavework	Posts, newels, balusters				Finials	100
A.F. Schwerd Mfg. Co. 1215 McClure Ave., Dept. TB Pittsburgh, PA 15212 412) 766-6322	Custom-crafted wood columns from 4-50 in. dia. and up to 35 ft. L.; matching pilasters; maintenance-free aluminum bases; 14 styles of composition capitals; complete columns or components.	Free Write in No. 161	Stavework						95%
Creen Tight 21 North Fraser, Dept. TB Georgetown, SC 29440 800) 768-7325	Screen Tight is a porch screening system designed as an alternative to staples and wood lattice; attaches to 2x4 and 4x4 framing; screen is rolled into the base with spline and trim piece attaches to base.	Free				•		Porch screening system	
omerset Door & Column Co. Fox 328, Dept. TB omerset, PA 15501 800) 242-7915	Wood columns feature true entasis in clear northern white pine, clear heart redwood, Pennsylvania sound knotty white pine, and poplar. Fiberglass caps, bases, plinths.	Free Write in No. 66	Stavework						
he Taney Corp. 130 Allendale Lane, Dept. TB aneytown, MD 21787 110) 756-6671	This stair and stair part manufacturer now features the Rylander Rail: an exterior, pre-built rail unit in 8, 10, and 12 ft. L; primed.	Free		Posts, newels, balusters	•	1	Straight, box, circular, spiral		
intage Wood Works (wy. 34 S., Box R #2372 Juinlan, TX 75474 (03) 356-2158	3 styles of (4 sizes each) stock turned posts, newels, balusters (no custom turnings); stock railings; stock and custom brackets, corbels, running trim, sawn balusters, appliques; any species.	Send \$2 for catalog Write in No. 318		Posts, newels, balusters	•	•		Beaded ceiling, finials, screen doors	20%
he Wood Factory	Custom turning and matching of porch parts.	Free Write in No. 712		Posts, newels, balusters	•	•		Entry & screen doors, finials, rosettes, spandrils	



For hard-to-find

- MOULDINGS
- RAILINGS
- BALUSTERS
- WAINSCOTING
- COLUMNS
  CUSTOM MILLWORK
  and TURNINGS

White Plains, NY Stormville, NY

Phone or FAX your requirements for a

FAST price quote! Just send us a tracing or sketch of the profile

Phone 914/946-4111 FAX 914/946-3779

or send \$2 for our 32-page color catalog to: 256 Ferris Ave White Plains NY 10603

We Ship Nationwide!

WRITE IN NO. 401



WRITE IN NO. 35



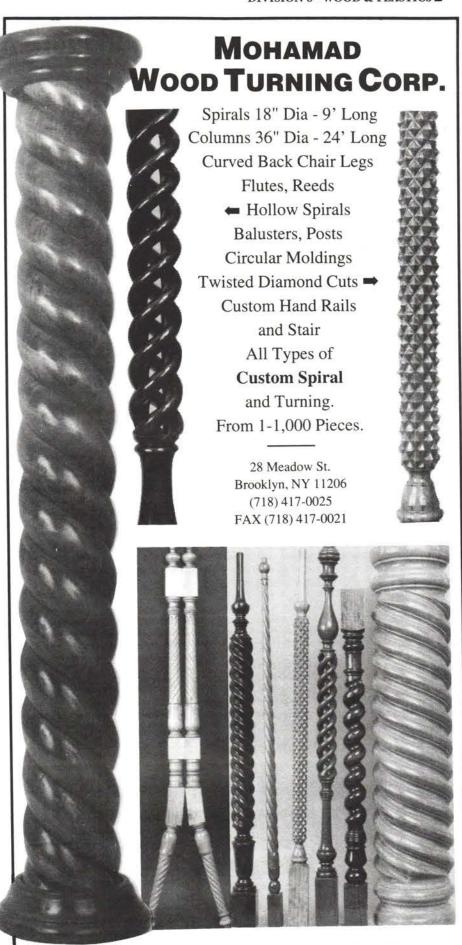
WRITE IN NO. 712



WRITE IN NO. 318



WRITE IN NO. 821



WRITE IN NO. 5

# **Balusters • Newels • Rails**



# Custom Woodturnings & Porch Parts

- STAIR BALUSTERS & POSTS COLUMNS
- ORNAMENTAL CAPITALS
   CORNER BLOCKS
  - WOOD BALLS
     DISPLAY TABLE LEGS
- ROPE/TWISTING/REEDING
   RING MOLDINGS
  - STOCK RAILS & FITTINGS

10,000 sq.ft. production facility. Serving the Trade since 1980. Phone or Fax for brochure or a quote.

(516) 489-3080 FAX (516) 489-3148 Josef's Art Woodturning & Son 71 Sewell St., Hempstead, New York 11550

# ANTIQUE FLOORING

North Fields Restorations is the largest supplier of antique flooring in the Northeast. We specialize in authentic old flooring taken from buildings we have dismantled. Our antique pine and southern yellow pine come in widths up to 24" wide. We also stock oak and chestnut flooring up to 20" wide.

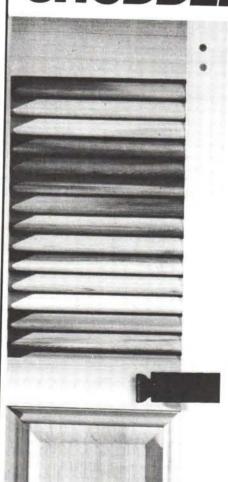
Many other restoration materials are in stock, such as hand-hewn beams, barn siding, mantels, doors, brick, and granite. We also have complete dismantled houses from \$25,000 to \$60,000. Videos of the houses are available for \$10.

Please direct inquiries to Mark Phillips at (508) 948-2722. North Fields Restorations, Box 741, Rowley, MA 01969



WRITE IN NO. 326

# **DOES THE WORD** POLYSTYRENE **MAKE YOU** SHUDDER?



Our all-cedar shutters endure for generations.

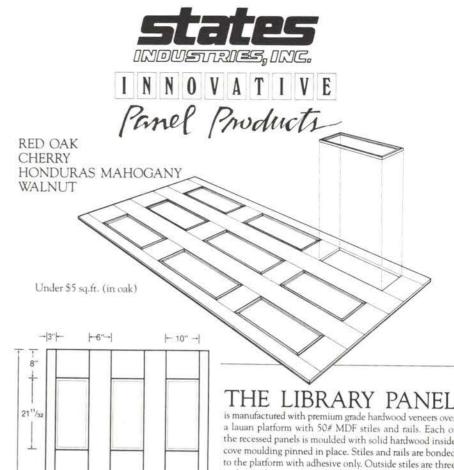
Cheap pine shutters with steel staples can fail in as few as five years. And plastic is . . . well, plastic. So to build the Vixen Hill shutter, we use only clear, Canadian red cedar. Joints are mortise-andtenon, with teak locking pins. Both panels and louvers are of generous dimensions, ensuring lasting beauty for generations.

For a detailed brochure, contact:

Vixen Hill Cedar Shutters Elverson, PA 19520

1-800-423-2766

WRITE IN NO. 318



a lauan platform with 50# MDF stiles and rails. Each of the recessed panels is moulded with solid hardwood inside cove moulding pinned in place. Stiles and rails are bonded to the platform with adhesive only. Outside stiles are three inches wide, central stiles are six inches wide. Stiles are laid out on sixteen inch centers. All four rails are eight inches wide

The panel is available in two sizes and four species. In addition to the four by eight foot panel shown, a four foot wide by twenty-nine and one eighth inch high wainscot panel is available in Red Oak, Cherry, Honduras Mahogany,

and Walnut. All veneers are sliced to domestic thicknesses Panels are manufactured oversized and routed back to square. Butted edges do not require battens when installed with care. For a free brochure, and the distributor nearest you contact Bill Powell at 1-800-626-1981.

P.O. Box 7037, TB120, Eugene, OR 97401

WRITE IN NO. 296



## THE KNOT HOLE CUSTOM HARDWOODS INC.

ROUGH & SURFACED DOMESTIC & EXOTIC HARDWOODS

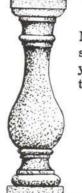
- CUSTOM MILLWORK
- MOULDING
- \* FLOORING
- № PLYWOODS
- CABINETRY
- MANTELS

Call: (914) 878-3991 Fax (914) 878-3992

- **™ CUSTOM SAWING/KILN DRYING**
- **№ CUSTOM FURNITURE**
- BOWL BLANKS
- \* ARCHITECTURAL LATHE WORK
  - Turnings up to 15' long
  - · Spindle & Faceplate Dup.

RT. 22, BOX 165, PATTERSON, NY 12563

WRITE IN NO. 274



# WE TURN TO YOUR SPECIFICATIONS

Need a custom baluster, newel or finial for that special job? We can turn your unique design for you in all traditional woods. No minimum quantities. Quality craftmanship. Call for a quote.

### Osborne Wood Products Inc.

Route 3, Box 551 · Toccoa, GA 30577 1-800-849-TURN(8876) · FAX 706-886-8526

Actual custom dimensions of shown balusters 36" H X 9" W



WRITE IN NO. 282

# NEW ENGLAND WOODTURNERS

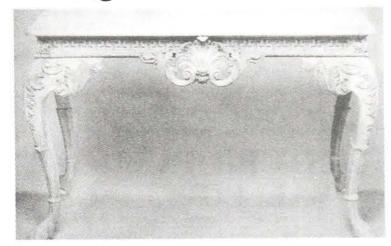
Custom Turning Shop

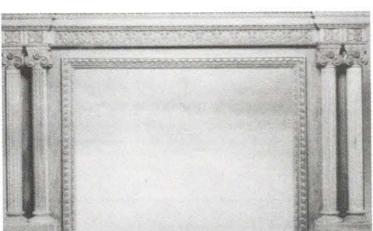
- A fine and courteous maker of columns, porch posts, balusters, newels, finials, and corner block.
  - New production or reproduction
  - Interior or exterior From 1 to 1,000 pieces
    - All orders hand sanded

Please contact us for an estimate on your next porch or turning project.

75 Daggett Street, P.O. Box 7242, New Haven, CT 06519 Phone and Fax (203) 776-1880

# ANTIQUES & ARCHITECTURAL EMBELLISHMENTS





Poppe House offers a full line of exquisite solid mahogany hand carved mantles, entranceways, moldings, columns, pilasters, and exotic furnishings.







POPPE HOUSE, INC.

803-853-9559 • 177 KING STREET • CHARLESTON, SOUTH CAROLINA • 29401

IF YOU DESIRE AN EXCLUSIVE LOOK AND UNEQUALLED QUALITY, PLEASE CONTACT US FOR MORE INFORMATION.

WRITE IN NO. 310

# CUSTOM WOOD TURNING

Architectural Quality Turnings Competitive Prices

### Free Price Estimates

Send/Fax Drawing of Desired Profile or Sample Turning to be Duplicated

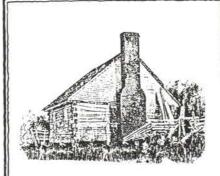
### J. B. Custom Woodturning P.O. Box 570 Lynn, MA 01905 Tel(617)599-6221 Fax(617)599-6437

WRITE IN NO. 273



WRITE IN NO. 124

To get your personal subscription to TRADITIONAL BUILDING, use the enclosed postpaid card or call (718) 636-0788.



LOG HOUSES. . .and other 18th & 19th century building materials salvaged from old houses, grist mills, and barns:

- hand hewn logs
  - flooring •
  - windows •
  - doors •
  - hardware •

# Sylvan Brandt

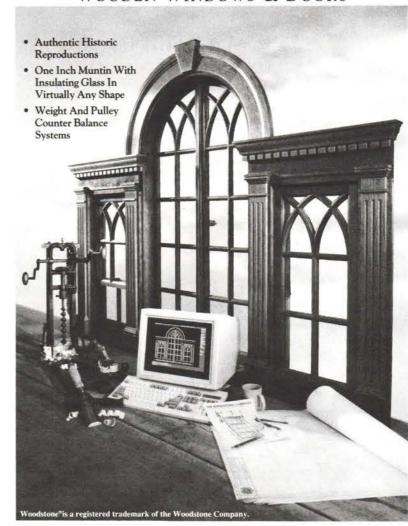
653 Main Street Lititz, PA 17543 (717) 626-4520 Fax: (717) 626-5867

WRITE IN NO. 395



### Division 8: DOORS & WINDOWS

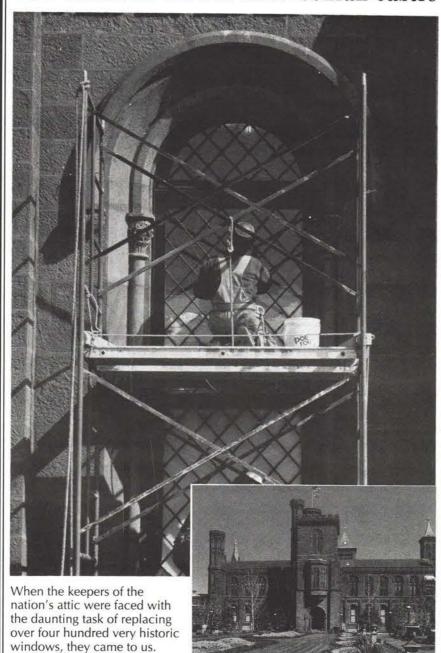
# TRADITIONAL & CONTEMPORARY WOODEN WINDOWS & DOORS



# W·O·O·D·S·T·O·N·E

(802)722-9217 • FAX(802)722-9528 FOR BROCHURE: PLEASE SEND \$3.00 FOR SHIPPING AND HANDLING

# \* PRESERVING THE INTEGRITY OF A NATIONAL MONUMENT \* New Windows for the Smithsonian Castle



We showed them they could increase energy efficiency, reduce ultraviolet light and sound transmission, while maintaining absolute faithfulness to precise historic detail.

James A. Cassidy Co., Inc. was awarded the prestigious Architectural Wood working Institute's Award of Excellence for "Design and Quality."

Please contact us for more information of this and other historic window projects we have successfully completed.

## JAMES A. CASSIDY CO., INC.

P.O. Box 749 Seaford, Delaware 19973 PHONE (302) 629-7600 FAX (302) 629-7649

ENGINEERING ★ DESIGN ★ TESTING ★ INSTALLATION ★ PROJECT MANAGEMENT

WRITE IN NO. 126

### Division 9: FINISHES

# R.H. Dubel Construction

Freeland, MD 21053

(410) 357-4573

Traditional Hewn Log Buildings Log houses and post & beam frames

> Handcrafted kits & complete finished housing

> > Built to your specs

Available in new & antique materials

# K-WOOD & LOGS, INC. P.O. BOX 22, FAWN GROVE, PA 17321

(717) 993-2154

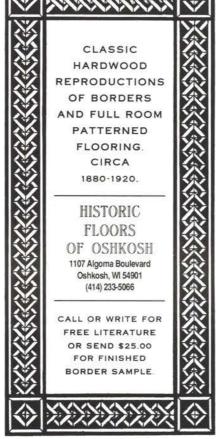
Original, Hand Hewn Barn Beams & Siding

Antique Flooring & Trim manufactured from

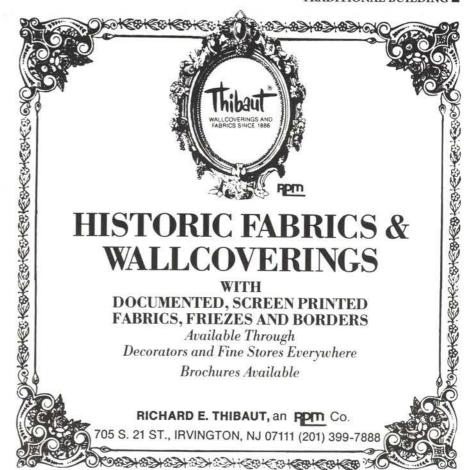
### Heart & White Pine, Chestnut, Oak

Pennsylvania Wallstone

100% Recycled WRITE IN NO. 314

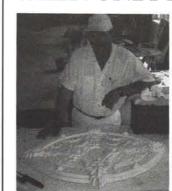


WRITE IN NO. 914



### WHEN ONLY A CRAFTSMAN WILL DO

WRITE IN NO. 42



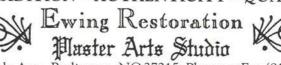
### Historically Accurate . . .

- Restoration of plain plaster
- Restoration of plaster ornament

Additionally, we offer:

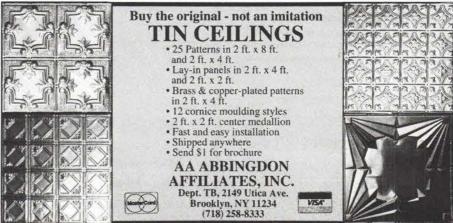
- Scientific analysis & recreation of historic plaster
- Injected adhesives & reattachment of loose plaster

• TRADITION • AUTHENTICITY • QUALITY



3068 E. Maple Ave., Burlington, NC 27215 Phone or Fax (919) 228-8022

WRITE IN NO. 238



WRITE IN NO. 892



# WORKSHOPS

in faux finishes

3-day instruction in marblizing • wood graining • wall glazing • fantasy finishes offering complete instruction in all aspects of faux finishes for both the novice and professional

> For information (919) 272-3289

337 S. Davie Street • Greensboro NC 27401 WRITE IN NO. 449



AristocastOriginals<sup>1</sup> Niches · Crown Moulding

Trim · Fireplaces · Ceiling Medallions · Corbels · Archways · Columns · Porches · Oak Beams ·

Buy at factory prices from the world's finest producer

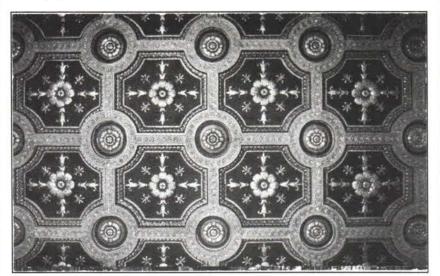
ARISTOCAST ORIGINALS INC 119 Cobb Parkway, Dept. TB

larietta, GA 30062 agent inquiries welcome Tel. 404 427-5544 Fax. 427-3050

FREE 28 page full color catalogue

# **Restoration Of Decorative Interiors** — On Time, On Budget —

We specialize in restoring decorative interiors — and executing newly designed decorative spaces. Our staff is skilled in all the traditional decorating and conservation techniques; typical projects include building lobbies, residences, churches, synagogues, and theaters.



Our professional team can assist with scope, design, specification, and budget development. In addition, our laboratory can analyze existing materials and identify the most cost-effective restoration techniques.

We're proud of our ability to execute projects of the highest quality on time and on budget. Ask to see our list of satisfied blue-ribbon clients.

### KINNARI SILBERMAN RESTORATION, INC.

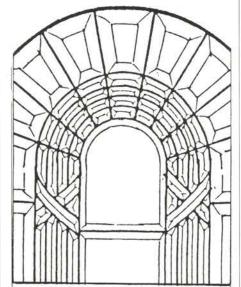
156 FIFTH AVE., SUITE 324 NEW YORK, NY 10010

(212) 229-0703 FAX (212) 229-0705 (800) 759-4577

WRITE IN NO. 143

To receive FREE **Product Litera**ture, use the enclosed postpaid card or fill out the Form on page 74.

If you need IM-**MEDIATE** cess to Product Literature, turn to page 73 and use Traditional Building's new "Hot Link" FAX CONNECTION. It's simple to use: Just photocopy the Form, fill out, and Fax!

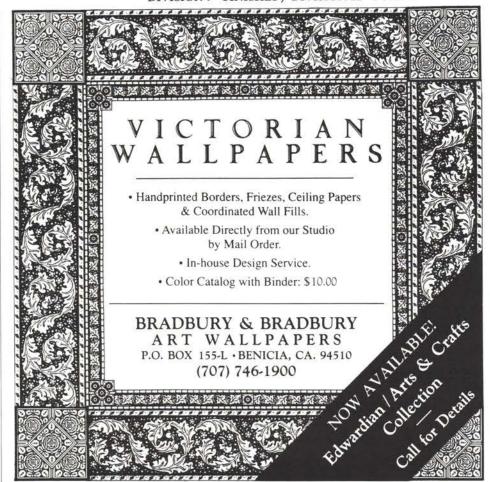


Contemporary and traditional stained glass by over 9,000 member studios nationwide. Leaded, beveled, and sandcarved glass restoration and repair, too. Call (914) 279-7399 for your nearest studios and order the \$5 full-color idea book. We'll send ou a free list of your

local member studios,

PO Box 69, Brewster, NY 10509

STAINED Professional Stained Glass Guild, Inc. GUILD





Division 15
MECHANICAL

# SCOURING THE PLUMBING MARKETS

special report

Vintage plumbing fixtures convey a sense of commodiousness and nostalgia. No wonder they're in great demand for both restoration and new construction.

To compile this special report on period plumbing, the Editors contacted 112 suppliers of period plumbing products — tubs, showers, fittings, lavatories, and accessories. We've indicated whether fixtures are reproduction or antique and also listed a few companies that offer repair services. Of those solicited, we chose the 19 that

seemed most interesting to our audience.

## Instant Access to Plumbing Literature

If your office qualified to receive the 1992 TRADI-TIONAL BUILDING CATALOG, you'll find prefiled product literature there for the following suppliers of period plumbing fixtures:

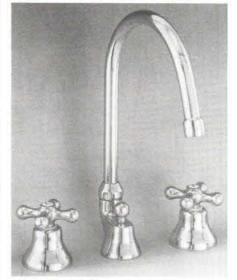
- A-Ball Plumbing Supply
- Remodelers & Renovators Supplies
- Sign of the Crab

# PERIOD PLUMBING PORTFOLIO

For more information on these companies, see the SourceList on page 70.



WATERCOLORS imports this solidbrass, "Classica 803," which features a gooseneck swivel spout, lever handle, and 90° disc valve. It's also available in 10 enamel colors, polished brass or chrome, and with metal or porcelain handles. Write in No. 53



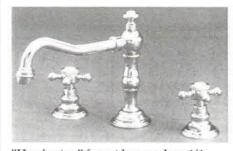
The "Amarcord" #578 wide spread lavatory fitting by GB RAPETTI, LTD.



This solid-brass, dip-lacquered leg tub faucet is a faithful reproduction of an antique original. One of many from MAC THE ANTIQUE PLUMBER's extensive line of period plumbing fixtures



This pristine, c.1902, top-of-the-line embossed bowl has an ornamental quarter-sawn oak tank. VINTAGE PLUMBING



"Harrington" faucet has modern 1/4turn valves, four finishes (including pewter) and is manufactured in France. HARDWARE PLUS Write in No. 652



C.1900 restored marble-top basin features back splash, marble skirt, rope-brass legs with glass ball feet, original marble 12 in. bowl, 24x20 faucets from DEA BATHROOM MACHINERIES. Write in No. 586



# THE CAMEO BASIN

From the Craditional Pollection

APPROPRIATE FOR PERIOD RESTORATION OR RENOVATION

### PRICED AT \$375

Send \$2.00 for full color portfolio



CHRISTINE BELFOR DESIGN LTD. 177 East 87th St. Studio 402 • New York, NY 10128 Tel/Fax: (212) 722-5410

WRITE IN NO. 351

### MORE PLUMBING PRODUCTS FOR THE RENOVATION INDUSTRY THAN FROM ANY OTHER SUPPLIER.



We're nationally known for our wide selection of:

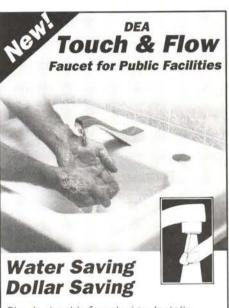
- Brass and Porcelain Fixtures
- Period and Modern styles
- New Footed Tubs
- Specialty Toilets
- Large inventory of parts

FREE

If It's Unique That You Seek, Call A. Ball.

1703 W. Burnside St. • Portland, OR 97209 • Phone (503) 228-0026 • Fax (503) 228-0030

WRITE IN NO. 242



CLASS

Simple, trouble-free design. Installs easily for new and replacement applica-tions. The perfect solution for public rest-rooms, restaurants and other commercial buildings. Costs less than \$60 per unit.

Write or call for brochure and specifications:

**DEA Bathroom Machineries** P.O. Box 1020 • Murphys, CA 95247

1-800-255-4426 (outside CA)

WRITE IN NO. 586



WRITE IN NO. 294



# MODERN VENTILATION



rot, corrosion, and excessive heat with Midget Louvers . in regular and L.D. models, available in aluminum, anodized or chrome plated. Sizes 1" to 6" and 1/4" Thimble type. Weather and insect resistant .... ideal for wood, metal, and concrete applications. Universally used by industry, builders, laboratories.

### MIDGET LOUVER COMPANY

(203) 866-2342 800 MAIN AVENUE NORWALK, CONNECTICUT 06851 WRITE IN NO. 270



GARRISON ON HUDSON NEW YORK 10524 914 424 3327

WRITE IN NO. 53

# **Sellers of Fine Victorian Plumbing Fixtures**

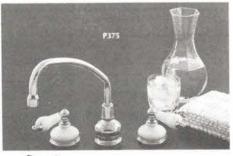
(Including Faucets, Claw-Foot Tubs and Pedestal Sinks)

PROFESSIONAL REFINISHING & REPAIRS OF

**Bathtubs \* Ceramic Tile \* Lavatories** 









3935 Washington Road, Martinez, GA 30907 (800) 344-2085

# TGET SOAKE



with inferior quality.

Stay out of hot water with nostalgic plumbing fixtures and fittings by SUNRISE SPECIALTY featuring:

- ✓ Solid brass fittings with powder-coated epoxy finish
- ✓ Chrome-plated and uncoated brass fittings available
- ✓ Long lasting 1/4-turn valves
- One year mfg. warranty
- ✓ Competitive pricing
- ✓ In stock for immediate delivery

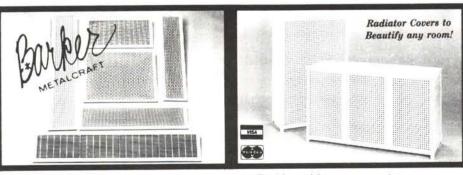
For FREE Color Brochure call:

1-800-522-7336

or FAX: 1-214-271-9726 • 24 Hours

HARDWARE+Plus, Inc.

WRITE IN NO. 652



- Radiator Covers Custom Made To Your Measurements \* Drop-In Grills \* Flat Grills \* Grills With Border \* Convector Grill Covers \*
- Custom Fabricated To Your Specifications \* Call For Free Catalogue 1701 W. BELMONT — CHICAGO, IL 60657 In Chicagoland: (312) 248-1115 Outside Chicagoland: (800) 397-0129

WRITE IN NO. 767

hower Co.



# PERIOD PLUMBING SourceList

CSI# 15400

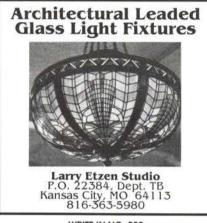
				SI	NKS	TOI	LETS					
COMPANY	SPECIALTY	Literature	Clawfoot Tubs	Porcelain	Metal	High Tank	Low Tank	Faucets	Showers & Fittings	Other	Repair Services	Antique/
A-Ball Plumbing Supply 1703 W. Burnside St., Dept. TB Portland, OR 97209 (503) 228-0026	Both American and European manufactured plumbing fixtures, including brass fittings, tubs, faucets, and showers, showerheads, sinks, Traditional fixtures, kitchen fixtures, accessories, and more.	Free Write in No. 242	*	*	*	*	*	*	*	Showerheads, bar sinks, accessories	4 %	F
Barclay Products, Ltd. 4000 Porett Dr., Dept. TB Gurnee, IL 60031 (708) 244-1234	Victorian sinks and toilets in vitreous china and colors.	Free	*			*	*	*	*	Pedestal sinks		1
Bates & Bates 3699 Industry Ave., Dept. TB Lakewood, CA 90712 (800) 726-7680	Ceramic and marble sinks and toilets; brass and copper sinks (hammered and polished) — some styles in decorator colors and Art Deco or Traditional designs.	Free		*	*							N
Christine Belfor Design Ltd. 177 E. 87th St., Studio 402, Dept. TB New York, NY 10128 (212) 722-5410	This studio specializes in "art on ceramic tile," which includes three sink designs: "Cameo," "Swag," and "Scroll" with coordinating bath tiles; custom designs welcome.	Free Write in No. 351								Hand-painted ceramic sinks and tile		I
Conant Custom Brass, Inc. 270 Pine St., Dept. TB Burlington, VT 05401 (802) 658-4482	This shop specializes in refinishing antique hardware, custom accessories, and reproduction of plumbing hardware.	Free Write in No. 505	*	*		*	*	*	*	Refinishing antique hardware	*	A
DEA Bathroom Machineries 195 Main St., Dept. TB Murphys, CA 95247 (209) 728-2031	Large selection of Victorian, Early 1900's — and unusual — bath fixtures, accessories, and parts. For ADA aficionados: A "Touch & Flow" faucet, a touch of the clapper opens the valve, release stops water flow.	Free Write in No. 586	*	*		*	*	*	*	Accessories, custom shower rings and faucets	*	A
Gemini Bath & Kitchen Products 3790 E. 44th St., Suite 228, Dept. TB Tucson, AZ 85713 (602) 750-8433	Small selection of imported traditional fixtures, including a brass wet bar, sinks and fittings; some accessories.	Free						*	*			
Granite Lake Pottery Box 236, Rte. 9, Dept. TB Munsonville, NH 03457 800) 443-9908	Hand-thrown, self-rimming, fired ceramic sinks from 10-20 in. dia. Designs include spongeware and nature motifs. Also bath accessories.	Free								Bathroom sinks & accessories		
Hardware Plus, Inc. 701 E. Kingsley Rd., Dept. TB Garland, TX 75041 214) 271-0319	Full line of reproduction period fittings and fixtures with a specialty in commercial projects.	Free Write in No. 652	*	*	*	*	*	*	*			A
Kohler Co. Dept. TB Kohler, WI 53044 414) 457-4441	Large selection of bathtubs, toilets, sinks, faucets, and accessories with some period detail.	Send \$2 for catalog.				*		*		Kitchen & bath accessories		]
Kolson, Inc. 553 Middle Neck Rd., Dept. TB Great Neck, NY 11023 516) 487-1224	Tubs, toilets, bidets, faucets, medicine cabinets, and accessories.	Free	*	*	*	*	*	*	*	Accessories, mirrors, medicine cabinets, bidets		]
Mac the Antique Plumber, Inc. 885 57th St., Dept. TB Sacramento, CA 95819 916) 454-4507	The 96-pg., 4-color catalog includes bathroom suites, tubs, showers, sinks, faucet sets, refinished antique cast-iron tubs, accessories, hardware, lighting, more. Finishes: Polished or lacquered brass, chrome; refinishing.	Send \$6 for catalog, refundable on \$25 order; discount coupons w/order	*	*	*	*	*	*	*	Lots of accessories	*	A
New York Replacement Parts 456 Lexington Ave., Dept. TB New York, NY 10128 212) 534-0818	This shop repairs and machines parts for obsolete faucets and shower fittings, Victorian through modern styles. Over 300 faucets on display.	Free		*		*	*	*	*		*	F
GB Rapetti, Ltd. Zero High St., Dept. TB Plainville, MA 02762 800) 688-5500	Traditional fittings for tub and shower, toilets, and kitchens and bars.	Free						*	*			F
Sunflower Showerhead Co. P.O. Box 4218, Dept. TB Seattle, WA 98104 206) 722-1232	This reproduction Victorian showerhead (their only product) features 169 holes on an 8 in. dia. face. Shower-arm bracket available or installs with 1/2 in. standard fittings.	Free Write in No. 294							*	Oversized showerhead		F
George Taylor Specialties, Inc. 00 Hudson St., Dept. TB New York, NY 10013 212) 226-5369	This Soho shop machines new and obsolete fittings and faucets, restores antique fixtures, and houses a large inventory of hardware and fittings.	Free	*	*		*		*	*	Faucet handles, antique towel bars, custom replacement parts	*	A
Sub Doctor, Inc. 935 Washington Rd., Ste. 221, Dept. TB% Martinez, GA 30907 800) 344-2085	Large distributor of reproduction Victorian faucets; also whirlpool bathtubs, Victorian tubs, and pedestal lavatories.	Send \$6 for catalog	*	*	*			*	*	Whirlpools, accessories	*	A
7intage Plumbing 645 Sylvia Ave., Dept. TB Jorthridge, CA 91324 818) 772-1721	Inventory of unusual ornamental Victorian fixtures in good working condition.	Free	*	*		*	*	*	*	Sitz & footbaths, specialty in unusual ornamental toilets and tubs	*	A
Vatercolors, Inc. Sarrison-on-Hudson, NY 10524 914) 424-3327	Importers and distributors of authentic English and French Edwardian bathroom fixtures and other Traditional faucet and accessory designs, including sink sets, bath/shower sets, bidets; variety of finishes.	Free Write in No. 53						*	*	Other fixtures and fittings		R

### Division 16: ELECTRICAL



WRITE IN NO. 654





WRITE IN NO. 250

# **GREEN DESIGN** WITH STYLE

The Naturally Elegant Home, by Janet Marinelli with Robert Kourik; Little, Brown and Company; 256 pp. hardcover; \$45.00.

The definition of "environmentally sensitive" design has changed significantly in the past 20 years. In the 1970's it merely meant "energy efficient" - and that usually involved a high-tech look complete with rickety solar collectors on the

Today, an "environmentally sensitive" dwelling still has to be energy conserving, but there's the added stipulation that the building should cause as little damage as possible to

### VICTORIAN AND TURN-OF-THE-CENTURY Chandeliers, Sconces & Fixtures

• Design • Contract • Manufacturer • Restoration • Replacement Parts & Glass Shades

THE MOST COMPLETE SOURCE FOR ANTIQUE AND REPRODUCTION GAS, OIL AND ELECTRIC LIGHTING





 THE FINEST LAMP & FIXTURE RESTORATION AVAILABLE Lighting Catalog \$5.00

ROY ELECTRIC CO., INC. (800) 366-3347 SHOWROOM: 1054 Coney Island Ave., Brooklyn, NY 11230 In N.Y. (718) 434-7002 Fax: (718) 421-4678

WRITE IN NO. 43



# Lighting by **HAMMERWORKS**

We offer the finest quality and most complete catalog in handmade colonial reproduction lighting and forged hardware



Custom Blacksmithing & Lighting

6 Fremont St., Dept. TB, Worcester, MA 01603 (508) 755-3434 Main St., Meredith, NH 03253 (603) 279-7270 Metro West Plaza, Rt. 20, Marlboro, MA 01752

WRITE IN NO. 604

### Division 17: BOOKS

the surrounding environment (or even correct previous damage), and use construction materials that are the most "earth friendly." With her new book, author Janet Marinelli has added an additional parameter: Environmentally sensitive design should not pollute our vision — it should be aesthetically pleasing.

Marinelli, who edits the Brook-Ivn Botanic Garden's internationally acclaimed gardening handbooks, builds her case with a combination of design principles (illustrated with photos from existing homes) plus a series of detailed photo essays on 11 houses that meet her criteria of "naturally elegant."

The houses and gardens selected for in-depth presentation are widely varied architecturally; the unifying thread is environmental sensitivity of each design. The "naturally elegant" concept encompasses everything from designing kitchens for ease of

recycling to well-designed gardens that minimize the need for pesticides and provide a sanctuary for wildflowers and other native plants that are fast disappearing from our landscape.

Marinelli has performed a valuable service for the design profession by bringing a keen aesthetic sense to the developing dialog about the relationship between environmental ethics and the construction industry.

If you're planning to design, build, or renovate a house in the near future, put everything on hold until you've had a chance to absorb the ideas in this book. — CL

# Superb grace of







Send \$5 for our full color catalog. (catalog fee refundable with order)

251 s. pennsylvania avenue po box 469, centre hall, pa 16828 814-364-9577





## **Books For The Craftsman** From Linden Publishing

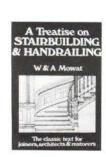


## Circular Work in Carpentry and Joinery

A practical guide on circular work of single and double curvature. This is a NEW edition of the 5th London edition of 1911, completely re-edited and annotated with numerous drawings giving clear, easily understood explanations of the entire field of curved work which traditional joiners are likely to encounter. Includes mouldings, angle bra elliptical heads, conical roofs and skylights. This is an essential guide to curved work and is the only book on the subject available today. 8 x 10. Approx. 120 pages. Hardcover. \$26.95

### ☐ A Treatise on Stairbuilding & Handrailing

Stairbuilding and handrailing, the very summit of the joiners art, has interested woodworkers for centuries. The current popularity of fine craftsmanship and traditional design and construction has generated renewed interest in this lost art. Today there is very little information available on the subject and joiners, architects, and designers have had little hope in obtaining reference material. The republication of the 1900 edition of A TREATISE ON STAIRBUILDING AND HANDRAILING will allow access to a wealth of information regarding the design and construction of traditional wood stairs and handrailing. In addition there are valuable chapters on stone stair construction and the geometry of stairbuilding and handrailing. 390 pages, 71/2 x 11, Paper. \$22.95



Mail Your Check Today! Or Call Toll Free for Visa & Mastercard Orders

### Linden Publishing

3845 N. Blackstone Fresno, CA 93726 • 1-800-345-4447 Calif. resident add 73/4 % sales tax Money Back Guarantee If Not Completely Satisfied.



# RELIGIOUS BUILDING PRESERVATION, continued from page 5

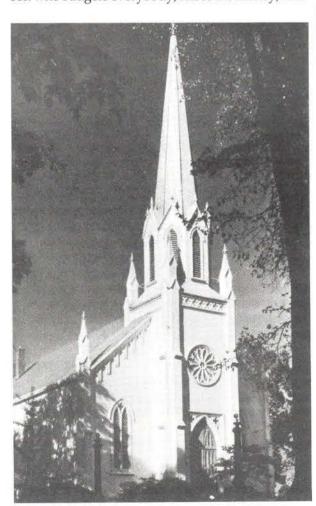


Chicago's Inspired Partnerships consulted on replacement options for deteriorated limestone capitals at the LaSalle St. Church. Photo: Neal Vogel

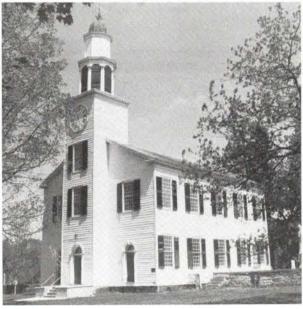
### **New York Landmarks Conservancy**

141 5th Ave., New York, NY 10010 (212) 995-5260 Fax 995-5268 Contact: Edward Mohylowski

With the recession-induced slackening of development pressures in New York state, requests for advice and money have flooded the Conservancy's Sacred Sites Program. It has given away \$1.1 million in the past six years, at \$15,000 maximum per grant, to more than 200 congregations. The most successful projects, says program director Edward Mohylowski, have been orchestrated by "one person who badgers everybody, raises the money, and



The Mamaroneck United Methodist Church in New York's Westchester County is both a fine example of c.-1859 Carpenter Gothic and a recipient of a \$3,000 grant for a conditions survey from the New York Landmarks Conservancy's Sacred Sites Program. Photo: courtesy United Methodist Church



A \$3,500 grant from the New York Landmarks Conservancy's Sacred Sites Program helped the c.-1818 Delphi Falls United Church in New York's Onondaga County conduct a conditions survey. Photo: courtesy Delphi Falls United Church

makes sure the work's done — unfortunately, it's hard to insure that kind of leadership."

The program awards matching grants from its Sacred Sites and Properties Fund for restoration and repair of local, state, or national landmark religious structures throughout the state; holds workshops on topics like maintenance planning and fund-raising; publishes a technical-assistance newsletter called *Common Bond*; and has produced and distributes a videotape called "Signs of Grace," meant to inspire congregations to preserve their historic buildings. The Conservancy's New York City Historic Properties Fund offers below-market-rate loans to New York City landmark religious structures, and the Conservancy's Technical Preservation Services Center provides technical advice.

### Museum of the Southern Jewish Experience

P.O. Box 16528 Jackson, MS 39236-0528 (601) 362-6357 Fax 366-6293 Contact: Marcie Cohen

In the face of dwindling Jewish congregations throughout the South, the Museum staff helps com-

munities plan for restoration and maintenance of synagogues and cemeteries. It won an award last summer from the Partners for Sacred Places for developing a preservation agreement for Temple B'nai Israel in Natchez, Mississippi — the agreement insures that the structure will survive, probably as an exhibit and event space, even if the congregation can no longer support it. The twoyear-old museum offers many other programs that strive to preserve traces of Southern Jewish culture, from exhibits of Judaica to publishing a newsletter that occasionally includes recipes for the likes of matzo ball gumbo. The Museum is a project of the Union of American Hebrew Congregations and is located on the grounds of the Henry S. Jacobs Camp in Utica, Miss.

### OTHER PROGRAMS OF INTEREST

Here are some for-profit and nonprofit groups which focus on specific aspects of the religious-property preservation process. (Source: Directory of Resources for Religious Properties, prepared by Historic Boston Inc. and Partners for Sacred Places)

### **Association for Gravestone Studies**

30 Elm St. Worcester, MA 01609 (508) 831-7753.

Disseminates information on tombstone restoration, maintenance, data recording, carving, and symbols; has archive, holds conferences.

### Census of Stained Glass Windows in America

College of the Holy Cross Box 161A, 1 College St. Worcester, MA 01610 (508) 793-2237.

Collects and disseminates information on stainedglass windows and encourages their preservation.

# Interfaith Forum on Religion, Art and Architecture

1777 Church St., NW Washington, DC 20036 (202) 387-8333.

Publishes magazine that frequently discusses preservation issues.

### **Organ Clearing House**

P.O. Box 104 Harrisville, NH 03450-0104 (603) 827-3055.

Relocates unwanted organs; keeps lists of churches trying to dispose of or acquire one; researches, consults, dismantles, and packs.

### **Organ Historical Society**

P.O. Box 26811 Richmond, VA 23261 (804) 353-9226

Has archive and registry, gives grants for fund- or consciousness-raising recitals.

### **Organ Research Centre**

515 McLeod Building, 10136-100 St. Edmonton, Alberta Canada T5J 0P1 (403) 429-1655

Distributes materials on designing, buying, placing, maintaining, and restoring organs.

### Seminary Consortium for Urban Pastoral Education

30 W. Chicago Ave. Chicago, IL 60610 (312) 944-2153.

Consulting, training, and research in programming churches in urban areas and in networking urban churches with similar problems. •

CASE STUDIES continued from p. 8

"It's like a curving library ladder, but pie-shaped, which starts as a point at the top of the dome and widens at the bottom." The ladder is weathertight, meets OSHA requirements, and allows the dome to be easily inspected without scaffolding. "Thus we not only took care of the problems of the past," Judd says, "but we are anticipating the problems of the future."

FOR MORE INFORMATION: Bruce D. Judd, AIA, Architectural Resources Group, Pier 9, The Embarcadero, San Francisco, CA 94111 Phone: 415-421-1680 FAX: 415-421-0127

# LIKE CARVING AN ENTIRE CHURCH

# FIFTH AVENUE PRESBYTERIAN CHURCH

Fifth Ave. at 55th St., New York City. Principal Contractor: Cathedral Stoneworks, New York; Architect: Swanke Hayden Connell

**PROBLEM:** The 1850's Bellville brownstone on this Gothic Revival church had exfoliated to the extent that none of the details and original tooling marks were visible. Furthermore, a 1950's coating of a cementitious product called Deckoset, applied to solve a spalling problem, had caused further damage by not allowing the stone to breathe. As the surface material began to fail, it fell off in large pieces, creating a hazard for pedestrians below.

**SOLUTION:** The entire exterior surface of this large church was completely hand-tooled during the restoration, which Cathedral Stoneworks spokesman Ivan Myjer compares to "carving an entire church by hand." Masons spent three years removing the Deckoset patches applied during an earlier restoration, tooling back the stone surface to remove deterioration, and setting dutchmen to replace stone removed. "Every surface had to be recarved and retooled and missing elements had to be fabricated from matching materials," Myjer says. Since this type of brownstone is no longer quarried, Cathedral Stoneworks salvaged matching stone from demolished buildings and cut it to fit. The original stone blocks also had strongly textured masons' marks, typical of the period, which had to be re-created. The same was true of the decorative details carved both in situ and off site. After the brownstone surface was retooled, areas most susceptible to weathering received a layer of chemical consolidation. "This is not an actual coating," Myjer stresses, "but rather a chemical that impregnates the stone and replaces the missing binder around the granules."

FOR MORE INFORMATION: Ivan Myjer, Cathedral Stoneworks, 1047 Amsterdam Ave

1047 Amsterdam Ave New York, NY 10025 Phone: 212-316-7457 FAX: 212-316-7404

Or Write in No. 935

Urgent project? Need product info immediately? Just photocopy and fill out the form below. Then FAX it to any of the companies listed.

PG.	COMPANY	FAX NO.	PG.	COMPANY	FAX NO.	PG.	COMPANY	FAX NO.
66	A.A. Abbingdon	(718) 338-2739	59	Enkeboll Designs	(310) 532-2042	65	Peters & Co.	(215) 739-9779
57	Abatron	(708) 426-5966	66	Ewing Restoration	(919) 228-8022	23	Polytek Development Corp.	(908) 534-5190
15	Allied Windows	(513) 559-1883	52	Fischer and Jirouch	(216) 361-0650	56	PRG	(301) 279-7885
56	American Custom Millwork	(912) 888-9245	69	Hardware Plus	(214) 271-9726	67	Prof. Stained Glass Guild	(914) 279-7361
49	Architectural Facades Unltd.	(408) 297-8014	41	Hennessy House	(415) 896-0940	37	Reggio Register	(508) 772-5513
66	Aristocast Originals	(404) 427-3050	47	Historical Arts and Casting	(801) 974-5832	71	Roy Electric	(718) 421-4678
76	Ball and Ball	(215) 363-7639	56	Kestrel Mfg.	(215) 286-5466	59	Schwerd Mfg. Co.	(412) 766-2262
69	Bathroom Machineries	(209) 728-2320	27	Lake Shore Industries	(814) 453-4293	31	Smith-Cornell	(419) 891-3013
37	Big D Metalworks of Texas	(214) 638-2241	55	Leitelt Bros.	(312) 734-0874	53	Smooth-On	(908) 604-2224
67	Bradbury and Bradbury	(415) 922-2872	25	Liberty Cedar	(401) 789-6626	56	Steptoe and Wife	(416) 530-4666
52	Brickyard	(816) 887-5757	42	Lynch and Sons	(203) 762-2999	69	Sunflower Shower Company	(206) 722-1321
66	Cassidy Company	(302) 629-7649	63	Mad River Woodworks	(707) 668-5673	35	Vermont Slate & Copper	(802) 893-1143
59	Center Lumber Company	(201) 742-8303	15	Maguire Iron Corp	(510) 232-7519	71	Victorian Lighting Works	(814) 364-2920
61	Chadsworth, Inc.	(404) 876-4492	21	Midwest Arch. Wood Products	(319) 323-1483	64	Vixen Hill Shutters	(215) 286-2099
61	Classic Arch. Specialties	(214) 748-7149	35	Miller Sheet Metal	(301) 349-2322	51	W.F. Norman	(417) 667-2708
55	Conant Custom Brass	(802) 864-5914	55	Monarch Radiator Covers	(201) 796-7717	63	Wood Factory	(713) 863-7524
56	Copper Coatings & Patinas	(619) 689-9402	13	Mullane Copper Products	(508) 568-9227	65	Woodstone Windows & Doors	(802) 722-9528
57	Cumberland Woodcraft	(717) 243-6502	21	Nixalite of America	(309) 797-8771	41	Yazoo Mills	(717) 624-4420
23	DMS Studios	(718) 937-2609	64	North Field Restorations	(508) 948-7563			

# TRADITIONAL BUILDING's F•A•X CONNECTION

# The Fastest Path To Product Information

**TO:** SALES/MARKETING DEPT. (This urgent request is from a reader responding to your recent advertisement in TRADITIONAL BUILDING.)

	127 4 7000		
Address			
State	Zip	Date	
FAX	Type of Business		
	FAX ase call or FAX immediately.	State Zip  FAX Type of Business	State Zip Date  FAX Type of Business  ase call or FAX immediately.   Please mail Product Information



One of the 20 carvers employed by Cathedral Stoneworks during the 3-year facade restoration of the Fifth Avenue Presbyterian Church, which involved cutting back the ashlar blocks to sound stone and recarving ornament and gargoyles in situ.

## FREE PRODUCT LITERATURE

These suppliers will send free literature about historical products to TRADI-TIONAL BUILDING's professional readers. Write in the appropriate number on the enclosed postcard — or use the form below.

### ■ Division 1 — SOFTWARE & SERVICES

330. Computer Software — Contractor III offers integrated modules for general ledger, job cost, accounts payable/receivable, and purchase orders for IBM. Free literature & demo disk. A-Systems

917. Preservation Technology — International organization brings together architects, contractors, scientists, consultants to share latest in practical preservation technology. Free brochure. Assn. for Preservation Technology 120. Architectural Renderings — Computerbased rendering service combines computer graphics with hand-embellishment to create elegant, affordable design presentations. Burden Architectural

dable design presentations. Burden Architectural Renderings

259. Design Software — Builder 2 is a CADD program for builders & remodelers; AutoCon is a program for wall & foundation contractors. Free brochure.

gram for wall & foundation contractors. Free brochure.

CADD Services

334. Books & Software — For the building trades.

Subjects include estimating manuals, remodeling references, carpentry books, concrete manuals, surveying guides, and more. Free catalog. Craftsman Book

Co.

337. Construction Management Software — Business Integration Systems features accounting, estimating, job cost, change order control, job billing, and more. Free brochure. Management Info. Control System

278. Restoration Conference — On rehabilitation

278. Hestoration Conference — On rehabilitation of historic building interiors: Expert speakers, seminars, exhibits, & new, comprehensive handbook. Free brochure. National Park Service
658. Training Workshops — Programs prepare builders for "ups & downs" of construction industry. Topics include: Historic Plaster Repair; Structural Evaluation & Repair. Free brochure. Pres. Institute for the Building Crafts
338. Restoration Congress — Trade Show &

338. Restoration Congress — Trade Show & Conference for professionals. Concerns include: Preserving buildings, monuments & sites, antiques, decorative & fine arts, books, etc. Free brochure. Restoration 93

355. Specialty Contractors Sought — With preservation experience for National Historic Landmark project, the restoration of the Ohio Statehouse. Contact: Schooley Caldwell Assoc., Arbitotte

Statehouse. Contact: Schooley Caldwell Assoc., Architects
291. Design & Cost Estimation Software — For designing residential & small commercial buildings. Program creates plans, elevations, cost estimates, & materials lists. Free brochure & demo disk. SoftPlan Architectural Design Sof
930. Shipping Tubes — High quality shipping tubes for blueprints, mylar & vellum tracings, and storage. Over 30 sizes available. Free brochure. Yazoo Mills

### ■ Division 2 — SITEWORK

903. Garden Houses — Heritage garden houses, pavilions, pool houses, potting sheds, tool storage, hot tub enclosures. Also colonnades, garden seats and more. Free brochure. City Visions
906. Outdoor Furnishings — Cast aluminum benches, planters, lanterns, post lights, and street lighting available. Free literature. Classic Casuals,

118. Wooden Flagpoles — Hand-made wooden flag poles with classic square-to-octagon-to tapered round design. Select Douglas Fir, turned on custom lathe; white gloss finish. Free brochure. Hennessy

Hand-Crafted Weathervanes — Large selection of handcrafted copper weathervanes; sizes for church steeples to small residential models. Large selection of garden ornament. Call (203) 762-8363. Kenneth Lynch & Sons

287. Exterior & Interior Bird Cages — Aviaries complete with finials & cresting for Victorian designs;

NAME

COMPANY ADDRESS

PHONE (

)

FREE PRODUCT INFORMATION

Use this form to get catalogs of historical products in this issue. (Literature is free to qualified professionals.) We'll forward your request to the respec-

For free product information, FILL IN the appropriate numbers:

☐ PLEASE ENTER A 1-YEAR SUBSCRIPTION, AND BILL ME \$18.

Mail to: TRADITIONAL BUILDING, Product Literature Department 69A Seventh Ave., Brooklyn, NY 11217 (718) 636-0788 Fax: (718) 636-0750

STATE ZIP

THIS FORM EXPIRES APRIL 15, 1993

tive manufacturers. Allow 4-6 weeks for literature to arrive.

other styles have Southwest and post-modern influences. Free brochure. Wm. Bateman Ruffner & Co.

### ■ Division 4 — MASONRY & ORNAMENT

244. Chimney Flue Liner - Poured-in-place, two-244. Chimney Flue Liner — Poured-in-place, twoliner system; no-mess one-day process. First liner
strengthens and insulates; second liner seals &
protects. UL listed. Dealers nationwide; free
brochure. Ahrens Chimney Techni
331. Cast Stone Ornaments — For architecture
and landscape: Columns, capitals, balustrades,
finials, fountains, and urns. Variety of simulated stone
finishes. Free brochure. Architectural Cast Stone
147. Cast Architectural Flements — Specialist in

147. Cast Architectural Elements — Specialist in design and production of columns, balustrades, pool coping, pavers, stairs treads, moldings, wallcaps, and mantels. Free brochure. Architectural Facades Unlimited.

640. FRP Ornaments - Molded fiberglass replicas of exterior ornaments — motoed liberglass replicas of exterior ornaments originally made in other materials. Projects include cornices, balconies, balustrades, and planters. Free literature. Architectural Fiberglass Corp.

897. Cast Ornament — Embellishments cast in FRG, modified gypsum, and GFRC. Fireplace surrounds, ceiling panels, balustrades, moldings, domes and more. Free brochure. Architectural Products

Mfg. 245. Plaster Ornament — Custom-made and in-stock plaster ornament: Medallions, moldings, brack-ets, capitals, sculpture, etc. Specializes in neoclassic

capitals, sculpture, etc. Specializes in recolassic and turn-of-century ornament. Free catalog. Architectural Sculpture

643. Plaster & Molding Studio — Custom studio does preservation, restoration, and replication of ornamental plaster. Also exterior fiberglass cornices, architectural cast stone, sculpture. Free flyer. Art Home Studios Home Studios

726. Molding Materials — Glass-fiber-reinforced modified gypsum system for interior or exterior ornament. Simple to use; non-toxic; short mold cycles; lightweight. Free brochure. Ball Consulting, Ltd. 896. Casting Models — Sculpture studio specializes in creating original models of capitals and other architectural details for casting in a wide range of materials. Free brochure. Bello Fattore Architectural Details

Details

16. Custom Terra Cotta — Specialist in moldmaking & ram pressing, matching original pieces, restorations or new installations, duplicating color, texture, and detail. Free literature. Boston Valley Terra Cotta 396. Antique Clinker Brick — Authentic, decadesold, unused clinker brick recovered from an abandoned brickyard. A unique building material available in limited quantities. Free brochure. The Brickyard 647. Cast Stone — Trade association is involved with quality control & design of cast stone products. \$35 technical manual details history, manufacture, standard specs, etc. New video. Free brochure. Cast Stone Institute 608. Terra Cotta Architectural Elements —

Stone Institute

608. Terra Cotta Architectural Elements —
Columns, capitals, and roof tiles. Custom matching, restoration, new work. Free brochure. Ceratech

908. Architectural Moldings — Product line includes a variety of entrancee features, window treatments, finish moldings in high-density polyurethane. Free brochure. Custom Decorative Mouldings

289. Molded Ornament — Fabrications of fine period & custom ornament: Cornices, medallions, sculpture, niches, capitals, brackets, domes. 2,300 antique molds available. Routinely handles large jobs. Free catalog. Felber Studi

196. Plaster Ornament — Hundreds of ornaments in fiber-reinforced plaster from turn-of-the-century molds. Also: Custom duplication of ornament from your sample. Free flyer. Fischer & Jirouch Co.

663. GFRC Ornaments — Glass-fiber reinforced

663. GFRC Ornaments — Glass-fiber reinforced concrete products, ranging from exterior wall claddings to replications of historical elements, terra cotta replacements, etc. Free brochure. GFRC, Inc.

☐ Interior Designer

Other (specify):

☐ For Your Files?

847. Classical Garden Stonework — Specializes in high-quality ornamental cast stonework, including urns, benches, tables, columns, balustrades, gazebos, and more. Free brochure. Haddonstone

121. Custom Casting & Lighting — Custom-cast architectural ornament in iron, aluminum, and bronze.

architectural ornament in iron, aluminum, and bronze. Works from your specs, or can create designs from extensive library of historic ornament. Free brochure. Historical Arts & Casti 512. Top-Sealing Fireplace Damper — Damper installs on top of chimney; saves energy, stops drafts, eliminates chimney dampness. Easy to install and operate. Free brochure. Lyemance International 635. Molded Ornament — Sculptural studio creates, restores, and replicates ornament. Sculpture, moldmaking, casting & kiln-firing in-house. Columns, lintels, balusters, cornices, friezes, and much more. Free literature. MJM 922. Architectural Materials — Company molds fiber glass reinforced polymers (FRP) for large-scale architectural elements that are strong, lightweight, maintenance free, and versatile. Free brochure. Molded Fiber Glass

Molded Fiber Glass

279. Historic Molded Ornament - GFRC or-

279. Historic Molded Ornament — GFRC ornamental or architectural panels, including precise replicas of historic works, or new designs. Free brochure. Molloy and Associates

744. Molded Ornament — Extensive line of exterior and interior rigid polyurethane molded ornament — all produced to order. Facilities for custom moldings. Free brochure. Permalife, Inc.

206. Chimney Liner — Ventinox stainless-steel chimney-lining system installs without breaking through walls. Reduces creosote formation, increases heating efficiency, improves safety. Free brochure. Protech brochure. Protech

brochure. Protech
65. Architectural Molding Materials — Molding compounds can be used on-site, and are readily pourable or brushable for painting onto vertical surfaces. Free brochure. Smooth-On
52. Sheet Metal Ceilings & Ornament — Richly ornamented metal ceilings, from original turn-of-the-century dies. Also: Exterior cornices and hundreds of sheet metal ornaments. Free catalog. W.F. Norman
353. Molded Ornament — GFRC, FRG, FRP & terra cotta. Columns, domes, cornices, coffered ceilings & architectural moldings. Free brochure. M.B. Winston Corp.

Winston Corp.

### ■ Division 5 — METALS

505. Custom Brass Metalwork — High-quality custom brass metalwork, hardware, fittings, and architectural elements. Also restores and repairs old hardware. Free brochure. Conant Custom Brass

hardware. Free brochure. Conant Custom Brass
315. Copper Coatings & Patina Finishes — 4
colors can be applied to new copper or to wood,
cement, drywall, all metals, and rooling. Gives instant
patina to copper and other materials. Free brochure.
Copper Coatings & Patina F
308. Ornamental Castings — Stock and custom
ornamental cast street lighting fixtures. Free brochure.
Leitelt Brothers

606. Radiator Enclosures — Direct from factory
All-Steel radiator enclosures. Choose from many styles and colors, including woodgrains. Free

styles and colors, including woodgrains. Free brochure. Monarch
47. Cast-Iron Staircases — The Kensington revives tradition of using cast iron for straight porch steps. Modular components; bolt-together assembly. Also circular stairs. Complete catalog. Steptoe & Wife

### ■ Division 6 — WOOD & PLASTICS

805. Custom Woodturnings — Stock and custom turned columns, porch posts, newels, balusters, and capitals. Hardwoods & softwoods available. Free brochure. Abaroot Manufacturing Co.

130. Wood Restoration — 2-part epoxy system restores rotted wood; saves historically significant and hard-to-duplicate pieces. Repairs can be sawn, drilled, sanded, and painted. Free brochure. Abatron 678. Interior Woodwork — Prime source for emborsed moldings, stairs, casework, detailed cornices, chair rails, and rapelling in fine hardwoods like wellow.

chair rails, and paneling in fine hardwoods like walnut, oak, cherry, and mahogany. Free brochure. **American Custom Millwork** 

95. Wood Columns & Turnings — True architectural columns up to 36 in. dia., posts, newels, balusters, including fluted & twisted styles, and finials. Free brochure. American Wood Column 602. Victorian Gingerbread — Traditional wood architectural ornaments as well as newel posts, balusters, and finials. Free brochure. Anthony Wood Products

Products

578. Wood Moldings — Catalog contains illustrations of over 150 decorative wood moldings and ornaments for every architectural and furniture need. Free copy. Bendix Mouldings

395. Antique Building Materials — Old floor boards, barn boards, antique glass, hardware, doors, and handhewn logs. Boards 4 in. to 16 in. Old log houses. Free brochure. Sylvan Brandt

680. Hardwood Moldings — Fine domestic & imported hardwoods & moldings: Straight, curved, composite. Millwork including entranceways, doors & windows, paneling, mantels, pilasters etc. Free brochure. Center Lumber Co.

18. Wood Columns — Full line of classic architectural wood columns & capitals in variety of sizes & wood species. Cast marble bases & aluminum plinths for exterior use. Elements or complete column systems. Custom fabrication. C

904. Architectural Ornaments — Corner brack-

904. Architectural Ornaments — Corner brackets, moldings, turnings, carvings. Stock & custom Victorian gingerbread, finials, screen & entry doors, newels, balusters, columns, and more. Brochure. Classic Architectural Specialti
401. Architectural Elements — Source for hard-

ı П

401. Architectural Elements — Source for hardto-find moldings, railings, balusters, wainscoting,
columns, custom millwork and turnings. Free
brochure. Condon Co.
432. Extra-Wide Boards — Pine boards for flooring or paneling in widths from 12 in. to 24 in. kiln dried.
Wide oak flooring from 4 in. to 9 in. Custom moldings
& millwork; dual wainscotting. Free brochure.
Craftsman Lumber
23. Non-Rotting Lattice — PVC lattice provides

Craftsman Lumber
23. Non-Rotting Lattice — PVC lattice provides traditional look without maintenance headaches. Looks like wood (no fake wood grain!), comes in 11 colors, and can be cut, nailed, and installed like wood. Free brochure. Cross I
131. Victorian Millwork — 19th century designs in solid oak and poplar: fretwork, brackets, corbels, grilles, turnings, and gingerbread. Also: Molded polymer architectural elements. Free catalog. Cumberland Woodcraft
577. Carved Wood Elements — Architectural accourrements. including mantels, sculpted in solid

coutrements, including mantels, sculpted in solid woods. Your designs executed or select from large array of stock elements. Free brochure. Raymond Enkeboli

797. Wood Restoration — Clear epoxies for repair or restoration. Restore antiques & artifacts without altering original. Repairs wood, ceramics, stone, porcelain, china & glass. Free brochure. Epoxy Technol-

821. Columns & Turnings — Moldings, curved crowns, porch posts, capitals, carvings, fluting & spiral rope twist; other large turnings. Turned & stavework columns. Free brochure. Fagan Design & Fabrica-

273. Woodturnings — Shop turns finials, balusters, newels, & porch posts up to 8 ft. long. Rosettes & face-plate turnings up to 5 ft. dia. Free brochure. J.B. Custom Woodturning
31. Custom Woodturnings — Manufactures stair balusters, newels, columns & ornamental capitals, corner blocks, rope/twisting, reeding, stock rails, fittings and more. Free literature. Josef's Art Wood Turning

Turning
799. Shutters — Shutters made in both moveable

799. Shutters — Shutters made in both moveable louver and raised-panel styles. Authentic pegged mortise & tenon joinery. Both custom and traditional designs. Free brochure. Kestrel Mfg. 274. Millwork & Turnings — Up to 15 ft. long, & 8 ft. dia; milling up to 32 ft. long, Spindle duplication. Products include columns, turned posts, newels, & balusters. Free brochure. Knot Hole Custom Hardwoods. Hardwoods

35. Victorian Woodwork — 19th-century millwork in redwood and select hardwoods. Ornamental shingles, turnings, ornamental trim, moldings, screen doors, brackets, balusters, railings, and more. Catalog. Mad River Woodworks

5. Architectural Woodturnings — All types of successive and training trials.

5. Architectural Woodturnings — All types of custom spirals and turnings, hollow spirals, flutes, reeds, balusters, posts, circular moldings, custom hand rails and stairwork. Free brochure. Mohamad Woodturning Corp.

354. Custom Woodturners — Columns & posts up to 16 ft. lengths, and up to 14 in. dia. Also, finials, corbels, brackets, sawn balusters, & baluster duplicating. New England Woodturners

326. Antique Wood Paneling & Flooring — Antique pine & southern yellow pine in widths up to 24 in. Also, oak & chestnut up to 20 in. Beams, doors & other salvaged materials. Free brochure. North Fields Restorations

282. Custom Turnings — Balusters, newels, finials, and other ornamental pieces, in small or large quantities. Free brochure. Osborne Wood Products 303. Preservation Books & Instruments — Books, instruments and related products for preservation and extension of exhibitions and extension of exhibitions and extension of exhibitions and exhibitions and exhibitions and exhibitions and exhibitions and exhibitions are exhibitions.

tion and restoration of architecture and objects. Consulting and training services. Free brochure. PRG,

Inc.
707. Wood Columns — Millwork based on designs from 1870 to 1920, in clear heart redwood, oak, mahogany. Balusters, newel posts, porch columns, railings, and custom turning. Catalog free. Pagliacco Turning & Milling
310. Hand-Carved Wood Mantels — Classically child carved wood mantels are produced to the

styled carved wood mantels are produced to the highest standards of design and craftsmanship. Also: Carved furniture and architectural embellishments.

Poppe House
161. Classical Wood Columns — Wood columns from 4" to 50" dia. up to 35 ft. long. Matching pilasters and 14 styles of capitals. Maintenance-free aluminum bases available. Custom work. Free

and 14 styles of capitals. Maintenance-free aluminum bases available. Custom work. Free catalog. Schwerd Manufacturing

44. Exterior Shutters — White pine plantation shutters with moveable louvers. Also fixed louvers and 3 styles of raised-panel shutters. Unfinished or painted in your color choice. Hundreds of sizes. Free brochure. Shuttercraf

66. Wood Columns — Builds standard and custom columns up to 40 in dia and 40 ft long. Toppon

66. Wood Columns — Builds standard and custom columns up to 40-in. dia. and 40-ft. long. Tongue-and-groove stave joints; clear northern pine, clear heart redwood, and other woods. Free brochure. Somerset Door & Column 296. Wood Paneling — The library panel is manufactured on a 1/4" sliced red oak panel with a Lauan core and hardwood back; 9 panels per each 4" X8 sheet. Other manufactured panels available. Free brochure. States Industries.

X 8' sheet. Other manufactured panels available. Free brochure. States Industries

318. Gingerbread — Architectural details in solid wood: Porch turnings, modings, brackets, headers, gable decorations, spandrels, etc. Free brochure. Vintage Woodworks

710. Gazebos — Line of elegantly designed and carefully crafted gazebos lend a note of 19th-century graciousness to any landscape design. Engineered to meet all building codes. Free brochure. Vixen Hill Gazebos

712. Victorian Millwork — Screen doors porch

712. Victorian Millwork — Screen doors, porch parts, custom woodwork, moldings, ornamental trim and gingerbread of all types fabricated from original period patterns. Free catalog. Wood Factory

### ■ Division 8 — DOORS & WINDOWS

293. Historic Hardware - Nation's largest collec-

293. Historic Hardware — Nation's largest collection of historically accurate builder's hardware from the 18th and 19th centuries. Free brochure. Ball & Ball 126. Wood Doors & Windows — Specialist in repair and recreation of doors and windows and other millwork for historic buildings; restored windows in the Smithsonian Institution. Free flyer. Cassidy Co. 124. Shutter Hardware — Specialist in Shutter hinges, shutter dogs (holdbacks), shutter bolts and shutter ring pulls. Free filterature. Peters & Son 989. Antique Doors & Architectural Elements — 40.000 so. ft. showroom holds a vast array of antique

40,000 sq. ft. showroom holds a vast array of antique doors, furnishings, and architectural elements. Free brochure. **Red Baron's** 

Specialty Wood Windows — Palladians, straight, and fan transoms. Single-, double-, or triple-glazed, thin muntins. Also: solid wood doors with insulating core. For pricing, call: (802) 722-9217. Woodstone

### ■ Division 9 — FINISHES

892. Tin Ceilings — 26 Victorian and Art Deco tin ceiling patterns. 2x8, 2x4 and 2x2 ft. panels for nail-up or lay-in. 13 cornices; pre-cut miters. 2x2 ft. center medallions. Free literature. A.A. Abbingdon 237. Cast Architectural Elements — Stock orna-

ments, columns, moldings, and custom reproduction capabilities in terra cotta, FRG, FRP, cast stone, highdensity polyurethane. Free literature. Aristocast Originals

density polyurethane. Free literature. Aristocast Originals

13. Victorian Roomset Wallpaper — Victorian papers can be combined in infinite variations. Color catalog shows 7 roomsets including: Neo-Grec; Anglo-Japanese; Morris; Aesthetic Movement. One chapter sent free. Bradbury & Bradbury

19. Tin Ceilings — 18 patterns of tin ceilings for Victorian homes and commercial interiors. Designs from Victorian to Art Deco. Several exclusive patterns; cornices in 4-ft. lengths. Free brochure. Chelsea Decorative Metal Co.

238. Decorative Plaster — Specialized plaster finishes such as sgraffito, fresco, and scagliola;

finishes such as sgraffito, fresco, and scagliola; molded ornament, mold-making and models; restoration and preservation services. Free literature. **Ewing** 

449. Faux Finishing Workshops — Marbleizing, graining, glazing, and other specialty paint finishes taught to professionals in hands-on workshops. Free brochure. Fe Fi Faux
914. Parquet Floors — Classic hardwood parquet

74 ■ JANUARY/FEBRUARY 1993

Your Business: ☐ Architect ☐ Contractor

☐ Engineer/Consultant ☐ Government

borders and full-room patterns are exact reproductions of floors found in homes built from 1880 to 1920. Free brochure. Historic Floors of Oshkosh

314. Barn Beams & Antique Flooring — Original, hand-hewn barn beams and siding; antique flooring and trim manufactured from heart and white pine, chestnut and oak. Free brochure. K-Wood & Logs

143. Decorative & Restoration Painting — Major painting studio with extensive experience in historic paint restoration as well as the production of original work. Free brochure. Kinnari-Silberman Restoration

42. Documentary Papers & Fabrics — New collection of fabrics and wallpapers is based on originals found in America's great historic houses. Available through interior designers and fine shops. Color brochure. Richard E. Thibaut

### ■ Division 10 — SPECIALTIES

92. British Master Wood Carvers — Fine, hand-carved traditional wood ornament for architecture and furniture. Free literature. Agrell & Thorpe 69. Invisible Storm Windows — Match any window shape or color; removable storm windows available inside or outside mounted; screen and glass panels. Fixed, magnetic, sliding, or lift-out styles. Free brochure. Allied Windows

350. Antique Metal Restorers — Custom metal restoration; also fabricate interior lighting and ecclesiastical fixtures. Free literature. Antique Brass

restoration; also tabricate interior lighting and ecclesiastical fixtures. Free literature. Antique Brass Works

329. Architectural Millwork — Doors & entries, paneling, moldings, columns, balustrades, stainways, cabinetry. Specializes in materials for restoration of 18th and 19th century buildings. Free brochure. Architectural Timber & 766. Historic Lighting — Vast selection of highest quality lighting reproductions, from 18th century through early 20th century: Residential, commercial, institutional. Standard designs & custom. Free catalog. Ball & Ball 293. Authentic Restoration Hardware — The nation's largest selection of authentic 18th and 19th century hardware: Hinges, latches, pulls, shutter hardware, much more. Also: custom work and repairs. Free mini-catalog. Ball & Bal 201. Stained Glass — Custom designed, stained glass windows and panels. Also ofter restoration services. Free brochure. Beisser Glass 603. Custom Metalwork — Fabrication and installation of architectural and decorative metalwork, including stairs, railings, furniture, doors, and grilles. Free brochure. Big D Metalworks 307. Bird Control Products — Roofing contractor for commercial buildings also specializes in supplying and installing post & wire bird deterrent systems. Free brochure. Bird Busters 225. Bird Control Specialists — Guaranteed control programs for pigeons, starlings, bats, & sparrows. Installers of Nixalite, Cat Claw, Hot Foot. Free brochure. Bird Control Technology 257. Murals & Faux Finishes — Marbleizing, wood graining, & glazing of furniture, walls, floors, columns. Mural work. Free brochure. Bopas 769. Stained & Beveled Glass Doors — Large selection of designs, colors and textures. 25 styles and sizes with round top or rectangular frames; insulated glass options. Free literature. Bovard Studio Stained Glass 352. Masonry Restoration — Major waterproofing contractor has extensive experience in all phases of

352. Masonry Restoration — Major waterproofing contractor has extensive experience in all phases of exterior masonry restoration on historic buildings. Free brochure. Brisk Waterproofing
605. Custom Stained Glass — Etched, stained and leader glass and restriction for commercial

brochure. Brisk Waterproofing
605. Custom Stained Glass — Etched, stained
and leaded glass, and restoration for commercial,
religious, and residential projects. Free brochure.
Brown's Stained Glass Studio
186. Ornamental Iron — Hot-forged handwrought
metalwork in contemporary and traditional styles in a
variety of materials. Design services offered. Free
brochure. Brumder Ornamental Iron
258. Stained Glass — Design, fabricate, and install stained glass windows. Also offers repair, insurance appraisals, consultation, and protective
covering. Free brochure. Burnham & LaRoche Associates
950. Roof Tiles — Quality roofing tiles, slates and
accessories. Roof tiles from Argentina and England
available in a range of traditional shapes & finishes.
Free literature. Northern Roof Tiles
582. Cupolas & Weathervanes — Aluminum
cupolas, domes, weathervanes, cornices, ornamental
load-bearing columns, and balustrades detailed for
historic buildings. Rotproof. Baked-on finishes. Free
flyer. Cambellsville Industri
510. Decorative Painting — Headed by a
European-trained master painter, this studio does
major projects all across the country. Restoration a
specialty, but also executes new commissions. Free
brochure. John Canning & Co., Ltd.
380. Masonry Restoration — Jahn restoration
mortar permits cementitious repairs that have same
characteristics as natural stone. Can be cast and
carved. Free flyer. Cathedral Stone Products
935. Carved Stone — Ultramodern robotic
stonecutting equipment, combined with skilled hand
carvers economically fabricates everything from
straight molding to complex figures. Free brochure.
Cathedral Stoneworks
965. Wood Entries — Furniture builders create

Cathedral Stoneworks
965. Wood Entries — Furniture builders create
"furnishings for your entry" — entry door systems built
like fine furniture. Free brochure. Chautauqua Doors

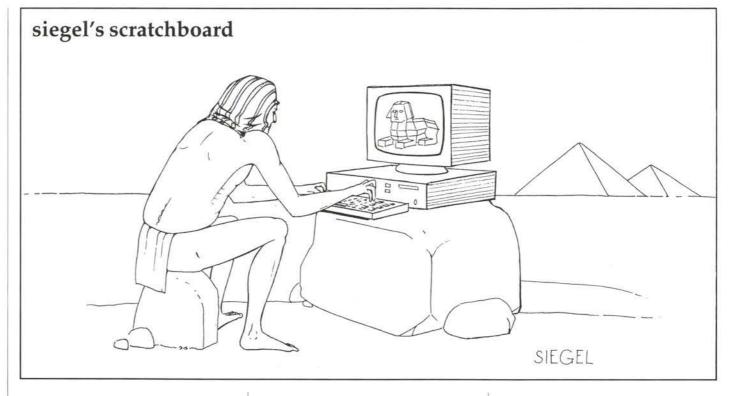
260. Church Restoration — Complete interior & exterior restoration of religious properties. Specialize in handling disaster recovery from fire & water

damage. Free brochure. Church Restoration Group
324. Restoration of Churches — Interior &
decorative painting, stained glass preservation &
repair, roofing & scaffolding, exterior painting & tuckpointing, general construction. Free brochure. Church
Services Restoration Contr

261. Cast Architectural Products - Aluminum

261. Cast Architectural Products — Aluminum lace panels, railings, newels, spearheads, gates, loadbearing columns, lighting fixtures, curtain wall panels, & more. Free brochure. Colonial Castings
262. Art Glass — From reproduction to full restoration. Also coordinates church restorations, including design, furnishings, painting, and architectural millwork. Free brochure. Coventry Glassworks
263. Weathervanes & Cupolas — Copper topped cupolas & weathervanes. Thousands of designs to choose from, or custom creations. Free brochure. Crosswinds Gallery
265. Exterior Restoration — Single source for all repairs, replacement & restoration of roofing, masonry & concrete work, tower bells/clocks, & more. Free brochure. Culbertson Enterprises
910. Architectural Stone — Skilled carvers pro-

brochure. Culbertson Enterprises
910. Architectural Stone — Skilled carvers provide stone services including statuary, ornament, mantels, entrances, and architectural moldings. Reproductions in marble, limestone or bronze. Free brochure. DMS Studios
Wood Mantels — Huge selection of carved wood mantels in classical and traditional styles. For pricing, call (312) 847-6300. Decorators Supply Corp.
730. Cupolas & Weathervanes — Redwood cupolas with hand-seamed copper roofs; standard



and custom. Large selection of antique-inspired or custom weathervanes, finials and caps. Free brochure. Denninger Products

25. Historic Tiles — For fireplaces, kitchens, or bath: Coordinated borders and patterns in any size. Victorian, Neoclassic, De Morgan, Art Nouveau, Arts & Crafts, Art Deco, and more. Period pavers. Illustrated catalog. Designs

266. Stained Glass Windows — From concept to installation. Services include: Repairs & restorations, frames, & protective material. Free brochure. Durhan Studios

frames, & protective material. Free brochure. Durhan Studios

189. Molded Ornament — Wide range of interior and exterior molded ornament in both fibrous plaster and FRP. Custom work a specialty; has handled many large projects. Free brochure. Edon Corp.

335. Stained & Painted Glass — Both traditional & contemporary designs created by European-trained craftsman. Restoration of leaded glass. Free brochure. European Art Glass

713. Vermont Slate — Roofing slate in all thicknesses and colors, including red, unfading green, and Vermont black. Also a full range of slater's tool. Free brochure. Evergreen Slate Co.

932. Classic Wood Entries — Redwood entry pediments, exclusive moldings, mantels, paneling, pilasters, and other architectural millwork. Free flyer. Executive Woodsmiths

Tat. Fiberglass Church Products — Line of fiberglass church products includes steeples, baptistries, light wall crosses, krinkglas windows, and baptistry heaters. Free catalog. Fiberglass Special-

stres 377. Substitute Slate Shingles — Fiber/Cement shingles without asbestos simulate look of slate without the high cost and heavy weight. Many colors and patterns. Free brochure. FibreCem Corp. 336. Murals, Trompe L'Oeil & More — Original works as well as preservation, restoration & re-creation of historic painting & faux finishes. Free brochure. Fitzgerald & Foy 267. Masonry Restoration — Structural and decorative. Company offers waterpropring, cleaning.

267. Masonry Restoration — Structural and decorative. Company offers waterproofing, cleaning, pointing/caulking/mask grouting. & inspection services. Free brochure. Fleetstar Corp.

508. Art Glass — All art glass techniques including beveiling, glass painting, sandblasting, faceting, leading. Custom design and restoration services. Free brochure. Gaytee Stained Glass

268. Stained & Leaded Glass — Design, fabrication, and restoration of all types of stained and leaded glass. Free brochure. Gil Studio

223. Slate & Tile Roofing — Design, repair &

223. Slate & Tile Roofing — Design, repair & installation of slate, tile, & copper roof systems & details. Research, structural assessment & consultation. Free brochure. Harraseeket Roofing & Research

ation. Free brochure. Harraseeket Roofing & Restoration
269. Steeplejack Services — Full range of services for maintaining, restoring & repairing high structures. Free brochure. Jack Hassler Co.
271. Stained Glass — Site-specific design for new construction & renovation in stained, leaded & faceted glass. Free brochure. Hendrix Church Art
995. Roofing Slate — New York and Vermont roofing slate in all colors is available from 7 quarries. Specialist in replacement slate for restoration. Free brochure. Hilltop Slate Co.
272. Masonry Conservation — Conservation programs developed for historic building & monuments based on lab & on-site testing. Free brochure. Integrated Conservation Resources
357. Church Restoration Services — Full-service architectural firm, has extensive experience in church

architectural firm, has extensive experience in church restoration & adaptive reuse of religious buildings. Free brochure. Kelly Clayton Majzicek 873. Historic Markers — Many patterns and styles to choose from in cast aluminum and cast bronze. Free

literature. Lake Shore Markers

Interature. Lake Shore Markers
759. Steeplejacks — High-altitude millwork & carpentry, masonry & stonework, structural repairs, copperwork, gilding, weathervanes, & lightning protection. Free brochure. Landmark Rigging
653. Cedar Shingles — Roofing, siding, decks, trim from Western Red Cedar, Douglas Fir, Redwood, Cypress, Mahogany. Roofing for historic projects a specialty. Custom orders welcome. Free brochure. Liberty Cedar

specialty. Custom orders welcome. Free brochure. Liberty Cedar 276. Terra Cotta Ornament & Roof Tile — Tiles

in many shapes, sizes, textures, & colors; architectural ornaments, both reproduction & custom designs; natural slate tiles in 5 shapes. Free brochure. Ludowici Celadon
760. Door & Window Hardware — Exclusive importer of a wide range of traditional house hardware; over 21,000 items available. Free brochure. Maguire

742. Roof Restoration & Sheetmetal — Installer Aconsultant for slate, tile, and metal roofing. Custom tile, copper roofing, and sheetmetal. Reasonable prices. Free literature. Midland Engineering Co. 146. Wood Windows — Wood sash in any size.

146. Wood Windows — Wood sash in any size and shape: Divided lite, round top, curved, doublehung, fixed, casement, or storm sash. Also: Shutters, screen doors, and trim. Free brochure. Midwest Architectural Wood Products

929. Ornamental Sheet Metal — On-site restoration of metal building cornices; pressed metal ceilings installed. Finials, conductor heads, & other ornaments reproduced. Period sheet metal roofing. Free

brochure. Hunt Miller Shee 280. Hand-cast Door Hardware — Quality reproductions of period hardware; historically accurate, functional box locks. Free brochure. D.C.

691. Fence Pickets & Gates — Galvanized steel with baked-on polyester finish guaranteed 15 years. Choose swing or slide gates. Their piers can be used in place of stone or brick columns. Free brochure. Monumental Iron Works

56. Snow Guards — Beautiful and practical: Cast-bronze eagle snow guards prevent avalanches of snow and ice from sliding off slate roofs. Other copper roofing specialties. Free brochure. Mullane Copper Products

37. Pigeon Control — Get rid of bird pests with inconspicuous stainless steel needles that eliminate roosts — without harming building. Humane and practical. Free flyer. Nixalite

tical. Free flyer. Nixalite
281. Decorative Services For Churches — And
other religious buildings. Offers: Art glass, painting,
stenciling, gold leafing, statues, tiles, & wood refinishing, Free brochure. Oktavec & Son of Baltimore
283. Stained Glass — Traditional & contemporary
designs. Full-sevice studio offers fabrication, repair &
safety glazing. Free brochure. Perry Stained Glass

\*\*Eurolic\*\*

144. Decorative Painting — 135-year-old company skilled in all historical and traditional painted finishes, specializes in residential, commercial, and institutional projects. Free brochure. Edward K. Perry

636. Molding Materials — Polyurethane & silicone rubbers are fast and durable for making molds. Poly RTV rubbers make molds for plaster, cements, and resins. Free literature. Polytek Development Corp. 285. Scagliola & Decorative Arts Studio — Studio skilled in stained glass, scagliola, sculpture, mosaics, and marble liturgical works. Free brochure. Pounds Studio

346. Art Glass — Custom stained, beveled, & etched glass. Also, restorations and Tiffany lamps. Free brochure. Prism's Art Glass Studio 581. Brass & Iron Registers — Beautiful solid brass and cast-iron registers are made from 19th & early 20th century originals. Free catalog. Reggio Reggior Co.

Register Co.
634. Concrete Roofing Tiles — Reinforced concrete roofing tiles can replicate wood shakes and many other traditional shapes. Integral colors. Economical, long-lasting. Free brochure. Richmond Precast long-lasting. Free Concrete Products

long-lasting. Free brochure. Richmond Precast Concrete Products
286. Roofing Slate — As well as types for flooring, terraces & walkways available from these quarrier/producers. Color-matching services. Free brochure. Rising & Nelson Slate Co.
979. Flagstone Pavers — Cut flagstones provide a natural look for pavers, curbing, chimney caps, treads & risers, hearths and fireplace facings, etc. Free literature. Robinson Flagstones
746. Architectural Roofing — Company does slate and tile roofs, custom copper work, waterproofing, wood roofs, gutters and leaders, chimneys, sheet metal roofs, and complete exterior restoration. Free brochure. Rogers Roofing C
624. Stained Glass — Designs, fabricates, and restores stained and leaded, faceted, beveled, and etched glass panels. Can handle large jobs. Free brochure. Rohlt's Stained Glass Studio
288. Gold Leaf Supplies — Gold leaf in booklets or rolls, oil sizes, Kolner burnishing clays for water gilding, imitation gold & aluminum leaves & rolls. Free brochure. Sepp Leaf Products
347. Steeplejacks — Complete restoration specialists for steeples, domes, towers, historic buildings. Nationwide service. Free brochure. Skyline Engineers
46. Historic Markers — Historic markers in sand-

46. Historic Markers — Historic markers in sand-cast bronze or aluminum. Also: Anodized aluminum cast pronze or aluminum. Also: Anodized aluminum markers with image permanently embedded in bronze or pewter finish. No charge for photos. Custom work. Free catalog. Smith-Cornell 255. Stained Glass — Studio produces fine leaded glass windows, mosaic panels, lighting fixtures, ceilings, and screens in the styles associated with Tiffany and LaFarge. Free brochure. Stelz Studios

and LaFarge. Free brochure. Stelz Studios

292. Stained Glass — for religious, commercial, & residential buildings. Hand-painted & fired pieces. Restoration & replication. Free brochure. Sunburst

295. Stained Glass — Full-service studio design-g & fabricating for residential & liturgical clients. Free rochure. Swanson Stained Glass Studio

249. Gilding Materials — 100-year-old company specializes in gold and silver leaf; used in historic restoration and decoration. Available in surface, glass, patent, and roll gold forms. Free brochure. Swift &

696. Salvaged Roof Tile — Computerized listing & selling service provides all brands & shapes of the world's finest previously used clay roof tiles. Quantities for small repairs or large projects. Free brochure.

297. Steeple Restoration — As well as domes, crosses, flagpoles & whole buildings. Also, lightning protection, pigeon proofing, & restorations. Free brochure. Tri-State Painting Co.
284. Roofing Tile — 50-yr. warranty on lightweight concrete roofing tile. Rough shake, Spanish Mission,

Riviera, and slate styles. Will custom-color tile for restoration and new construction jobs. Free details. Vande Hey Roof

restoration and new construction jobs. Free details.

Vande Hey Roof

435. Street Clocks — A new line of post clocks and tower clocks carry a traditional look and appeal outside, combined with reliable low-maintenance electrical works inside. Free brochure. Verdin Co.

721. Architectural Roofing — Specialists in restoration of slate and copper roofs. Fabrication of custom finials, weathervanes, & roof ornaments. Consultation; free literature. Vermont Slate & Copper Services

320. ProSpec Architectural Cleaning Products
— Broad line of proven products for cleaning and stripping paint from terra cotta, stone, and brick. Free brochure. Watson Bowman Acme

751. Architectural Fiberglass — Fiberglass baptistries, spires, crosses & lighting by firm with extensive experience. Free brochure. Wiedemann Industries

323. Stained Glass — Major studio with extensive liturgical & institutional experience. Restoration and new work. Leaded & faceted glass, plus windows with relief sculpture. Free brochure. Willet Stained Glass
Studios

relief sculpture. Free brochure. Wilfet Stained Glass Studios
964. Wood Doors & Windows — Full range of millwork services from authentic restoration to custom design & production. Skilled at recreating historic windows and doors. Free flyer. Wood Window Workshop
348. Steeple Work — All exterior church restorations: Steeple rebuilds, roof replacements, metalwork, millwork, & painting. Free brochure. Yankee Steeplejack Co.
349. Stougrafs — Engineered spowguard systems

349. Snow Guards — Engineered snowguard systems for all types of roofs. Self-hanging on slate and tile roofs. Free brochure. Zaleski Snow Guards

### ■ Division 15 — MECHANICAL

242. Faucets & Fixtures — Complete lines of modern, Victorian, & European plumbing. New things for claw-foot tubs, shower conversions in chrome or brass, high-tank toilets, pedestal sinks, and much more. Free catalog. A-Ball
767. Metal Grilles — Radiator covers custom made to your measurements. Drop-in grilles, flat grilles, grilles with borders, convector grille covers, & more. Free brochure. Barker Metalcraft
586. Bathroom Fixtures & Hardware — Turn-of-the-century bathroom fixtures & accessories; reproduction & antique. Classic brass hardware and hard-to-find parts. Free brochure. Bathroom Machineries

Machineries

Machineries

351. Art On Ceramic Tile — Baroque to postmodern styles, for baths, kitchens, fireplaces, floors, & exteriors. On tiles or ceramic fixtures. Free brochure. Belfor Design, Ltd.
652. Hardware & Bathroom Fixtures — Sinks: Pedestal, drop-in, old and new styles. Clawfoot tub sets and accessories. Faucets for tub and shower; period hardware. Much more. Free flyer. Hardware Plus Plus
270. Moisture Vents — Small, screened metal
college moisture trapped in walls,

270. Moisture Vents — Small, screened metal louvers, 1" to 6" dia., release moisture trapped in walls, cornices, soffits, etc. Just drill holes and press in place. Free literature. Midget Louver
294. Victorian Showerhead — Features 169 holes on an 8 in. dia. face. Shower-arm bracket available or installs with 1/2-in. standard fittings. Free brochure. Sunflower Shower Co.
53. Edwardian Faucets — Importer of English Edwardian and Italian style faucets, fittings, washbasin sets, bath/shower and bidet sets in chrome, brass, gold, and enamel finishes. Free Catalog. Watercolors

250. Decorative Glass — Large architectural leaded glass light fixtures, domed, flat, or arched stained glass ceilings, windows, and Tiffany-style lamps. Free literature. Larry Etzen Studios 275. Antique Reproduction Lampshades — 96 styles ranging from \$35 to \$95. Give period feel to any interior. Free brochure. Lampshades of Antique

604. Reproduction Lighting—Colonial reproduction light fixtures in copper, brass, tin, and iron. Post lanterns, wall lanterns, chandeliers, and candlestands. Custom work. Free brochure. Lighting by Hammer-

654. Copper Lanterns — Coppersmiths create

654. Copper Lanterns — Coppersmiths create handcrafted weathervanes as well as custom lanterns and lighting. Free brochure. MacQuarrie & Niccum 43. Vintage Lighting — Victorian and turn-of-century chandeliers and sconces: Gas, oil, and electric. Antique and reproduction fixtures; replacement parts and glass shades. Free catalog. Roy Electric 373. Victorian Lighting Fixtures — Authentic reproduction Victorian & turn-of-century electric and gas chandeliers and wall brackets. Variety of glass shades. Catalog free. Victorian Lighting Works

### ■ Division 17 — BOOKS

221. Books For Craftsmen — Titles include "A Treatise on Stairbuilding & Handrailing", "Circular Work in Carpentry & Joinery", "The Conversion & Seasoning of Wood", "The Marquetry Manual" etc. Free catalog. Linden Publishing❖

# Authentic reproductions — stock and custom — from 18th to early 20th centuries:

# HISTORIC LIGHTING

## More Experience, More Styles

Lighting fixtures of many styles, sizes, and shapes are produced by Ball & Ball — the one constant source for quality historical products since 1932. Major restorations from Independence Hall in Philadelphia to Iolani Palace in Hawaii have called on our production and finishing experience to create the proper historic fixtures for them.

In 1989, we purchased the drawings and tooling of The Steinmetz Company — producers of unusually fine detailed commercial-sized lighting fixtures in the early 20th century. This was a natural expansion for our craftsmen and expertise. All fixtures shown here were produced in our own plant. We welcome the opportunity to quote standard or special designs.



Frank Lloyd Wright designed this cast iron fixture for his 1905 renovation of The Rookery Building in Chicago. Ball & Ball was asked to renovate the 10 original units — and supply 6 new ones to match. The pattern in the fixture matches the rest of the iron lace in the building. A 19" square cast iron, brass-plated canopy trails 8 cast brass chains, 6 ft. long, supporting a 30" square main body, which in turn holds 4 corner globes and a central globe over and under the main body.



Early 20th century hallway lighting by The Steinmetz Co. for the U.S. Capitol, Washington, D.C. Ball & Ball had all the original drawings on hand to produce two additional lights to match the originals. (This fixture is just one of many that Steinmetz produced for government buildings in Washington.) Main body is spun brass, 32" dia., fitted to cast brass border supporting lost-wax-cast lion heads that hold 6 electrified arms. Overall dia. 5 ft. Exact copies, larger, or smaller versions of this lamp are available on special order.



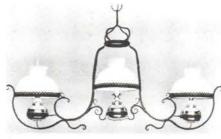
■ Wall-mounted exterior light, 20" high and 13" across, produced from original Steinmetz Co. drawings. Hex-shaped cap, body, and base are made from cast brass. Glazing can be bent, hand-blown glass, or shatter-resistant plastic. In addition to exterior lighting, applications for this light include accent lighting for showrooms and passage lighting for corporate offices.



Lighting fixture made by The Steinmetz Co. to hang in a lower level hall of the U.S. Capitol. Made of cast brass, spun brass, and fluted brass tubing, it features etched glass on all 6 sides and bottom. It is 22" high to the column top, 19" across. Center of the bottom is hinged for bulb changing.



Argand Lamp, c. 1800, reproduced for a restoration in Barbados. The fixture, 20" in diameter and 40 " high, is cast, sheet, and spun brass with handblown glass. As pictured, the fixture has been adapted to accommodate 2 electric candles.



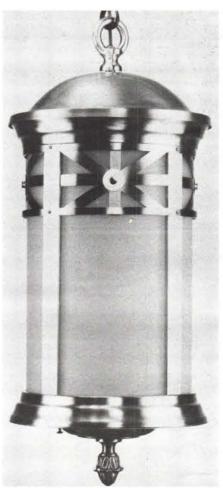
■ Custom lighting fixture made to client specifications with hand-forged iron body (rather than the brass tubing seen on most 19th-century reproductions). Fixture is 5 ft. wide, 3 ft. high, with 3 12" white glass shades and spun brass fonts.



■ Wall sconce, c. 1835, cast brass with hand-blown glass. Fixture is 28" high and 14" wide.



■ Two-tier chandelier, custom-made to complement an original 18th-century 3-tier fixture in a Pennsylvania church. The unit as shown is 48" high, 56" wide, and has 12 arms with hand-blown shades.



■ Early 20th century turned, spun, and sheet brass lantern with shatterproof plastic. The "Union Jack" decoration can be changed, duplicated at the bottom, or made with three bands. Sizes: Large — 28" O.D., 52" high; Medium — 16" O.D., 28" high; Small — 9" O.D., 19" high. Small unit could use glass for residential installations.

# Lighting Fixture & Hardware Catalogs

Our new Lighting Fixture Catalog will soon be off the press. Write, call, or FAX for a free copy. Or Write In No. 766 on the Reader Service Card.

Ball & Ball is also the leading source of historically accurate house and furniture hardware, door locks, fireplace equipment, decorative and household accessories — both reproduction and antique. Repairs, copies, or polishing of your precious antiques are quoted on receipt of sample.

Our FREE Mini-Catalog provides an introduction to a full range of products and services. (Write in No. 293 on the Reader Service Form.) Or for \$5 we'll send you (via UPS) our handsome 108-pg. product catalog. But even the catalog doesn't show all 2,000 of our hardware products. If you're looking for something rare or unusual, call or FAX us.



WRITE IN NO. 293 FOR HARDWARE MINICATALOG & 766 FOR LIGHTING