ELEPHANTS, ANGELS AND FIVE MILES OF GILDED VINES

The Benedum Center for the Performing Arts opens September 25, David Lowry, project architect (MacLachlan, Cornelius & Filoni) reflects on the technical challenges of theater restoration.

"You face challenges in this project you don't get in a much bigger building, even in a hundred million dollar office building. You have to think of sound, lights, the theatrical rigging. We've designed the entire building to reduce the transmission of ambient sound, from the front entrance to the backstage door and stars' dressing rooms. Then there are the theatrical systems. Where do the lights hit the stage from way back in the projection booth? And how is this man in the last row able to see the ballet dancer's feet? Most architects don't deal with these problems every day."

The stage floor provided another set of problems. According to Mayor Caliguiri, "Al Filoni (Principal Architect-in-Charge) promised me we could walk an elephant on stage for Aida." The floor must be soft and springy for the dancers, yet sturdy enough to withstand repeated nailing of props. The floor was constructed of several layers: tongue and groove fir over plywood resting on two-by-four sleepers. The entire stage rests on a one and one half inch rubber cushion and when the ballet uses the theater, a thin vinyl floor will cover the wooden surface.

Inside the theater, the plasterers present the most dramatic picture. The Stanley sustained extensive water damage due to a leaky roof. A crew of fifteen plasterers using over a thousand thick rubber molds have restored and replaced the elaborate ornamentation. The molds were made from surviving sections of the original plaster, then new casts were produced and secured in place with molding plaster, jute fiber and wire.

Bill King, head plasterer, presided over the casting shop where even the exit signs were formed. The most difficult aspects from his point of view included sculpting the faces of some of the molds, fitting new work into existing work, and crafting each mitered corner by hand. Some of the casts were so large that three or even four men were needed to secure them into place. The largest were the octagonal coffers behind the ceiling rosettes and five-foot long angels atop the friezework.

After the plaster was restored and repaired, the painters took over. In addition to cleaning and repainting, they installed between three and four miles of aluminum girt on the ceiling along, subtle colors were achieved by applying glazes of tinted varnish.

Albert Filoni describes an historic restoration. "You are literally trying to recreate what was there in 1928. We try to use the same materials that were used, even some of the painting is original." Documentation has been made possible by photographs taken several days before the Stanley opened in 1928 and by working drawings of the original building, discovered in an architect's archive in Philadelphia.

The elaborate, cast iron, seat ends were recast from the original seats, found in the Fulton Theater. Terrazzo floors and marble steps, hidden under a layer of tile, have been uncovered and polished. All 90 chandeliers are original, including the six-ton, 50,000 piece crystal fixture which hangs from the domed ceiling of the main theater. Electrical winches, however, have replaced the mechanical pulley system used in 1928 to raise and lower the chandeliers. Fifteen hundred feet of brass railing have been removed, cleaned and replaced. Even the colors in the carpet are authentic; a scrap of the original was discovered in a heating duct during construction.

Continued on page 6
Robert Dale Lynch Receives National Design Award

Chapter member Robert Dale Lynch has received the National 1986 Accessible Design Award from the United Cerebral Palsy Association for his design of the Howard Whitehouse Independent Living Center on Centre Avenue in Oakland/Shadyside. The structure was transformed from a former two-story garage building into a unique living and learning facility for severely disabled persons.

Lynch, who heads his own architectural firm in Moon Township, is a long time advocate in the effort to improve accessibility to the community at large for all people who have disabilities.

"Architects and architecture must be responsive to social needs," says Lynch. "We must broaden our spectrum to improve the quality of life for those who can't walk or talk, see or hear, and for those who are frail or spastic or mentally limited. It is a modern day and unique challenge we should recognize and engage with enthusiasm and vigor."

Notes from the 1987 AIA Convention

By Park Rankin—1st Vice President


From the exhibitors' booths to the professional seminars, this year's convention proved informative, educational, and exciting. The Focal Point Programs presented a broad range of topics: global economics with Pat Choate who explained "How well we adapt to change will shape our economic futures"; Philip Johnson and John Burgee on America's Design Future; Peter Rummel, President of Disney Development Co., and Martin Rubenstein, Vice President of Walt Disney Imagineering on how to make fantasy and development a reality. These programs, plus over 35 seminars and tutorials, provided AIA members from across the nation with the opportunity to exchange ideas and further advance our profession. This year's convention truly fulfilled its title, Architecture 87: Fact, Future, and Fantasy.

New AIA Fellows Elected

At the AIA National Convention in June, three Pittsburgh architects were elected to the College of Fellows in honor of their significant contribution to the advancement of the profession. Congratulations to Louis D. Astorino, Bernard J. Liff, and P. Richard Rittelmann. (Watch for their Profiles in COLUMNS.)

ARRIS™, from Sigma Design, is the extraordinary PC-based CAD system with full mainframe capability designed for the way architects and building designers really work.

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ARRIS has arrived. To see it, contact Larry J. Diurba, AIA, ASID, your architectural design professional at Computer Research.

ARRIS HAS ARRIVED

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412/262-4430
SEPTEMBER MEMBERSHIP MEETING
Chapter Elections

DATE: Tuesday, September 15
TIME: 5:30 Cocktails
      6:30 Dinner
LOCATION: CMU Faculty Dining Room, Skibo Hall
COST: Prepaid for members; $13 for non-members
PROGRAM: City Planning Update

Three members of the Pittsburgh Department of City Planning will discuss the current and future status of five key planning issues. Paul Farmer, AICP, assistant director for comprehensive planning, development and research, John Rahaim, senior urban designer, and Mike Eversmeyer, senior historic preservation planner, will address strategies for:
1. Downtown development
2. Major development projects citywide
3. Preservation of the historic Penn-Liberty Cultural District
4. Convention Center expansion
5. Major transportation improvements

The speakers welcome input from the architectural community and will open the floor to what promises to be a lively evening of discussion. Make plans now to attend by sending in the reservation form below.

RESERVATION FORM
September 15 Membership Meeting:

Name(s):
Firm: Phone:

Please mail this reservation form by September 6 to:
Pittsburgh Chapter, AIA
307 Fourth Avenue
Pittsburgh, PA 15222

LUNCHTIME SEMINAR
1987 BOCA Code

*Organized by the A.I.A. Professional Development Committee*

The City of Pittsburgh will be adopting the 1987 BOCA Code in the very near future. This seminar will review the main differences with the 1984 version, as well as the city amendments.

DATE: September 17, 1987
TIME: 12:00 Noon to 1:30 PM
LOCATION: YWCA Downtown—4th Ave. and Wood St.

SPEAKER: Mr. Henry Hegerle, P.E.—Plan Examiner, City of Pittsburgh—Bureau of Building Inspection

COST: AIA Members $20
      Non-Members $25

1987 BOCA Code books and amendments will be sold at the seminar. To insure that there are enough copies available, please fill out, in the reservation form, the quantity and designation of books you wish to purchase at the seminar.

RESERVATION FORM
1987 BOCA Code Seminar

Name(s):
Address: Phone:

Amount Enclosed (Seminar Registr. Only): $
Book Designation: Quantity:

Please send reservation form and check to:
Pittsburgh Chapter A.I.A.
307 Fourth Ave.
Pittsburgh, PA 15222
TUESDAY, SEPTEMBER 15, General Membership Meeting. Chapter Elections/City Planning Update. 5:30-9 P.M. CMU Faculty Dining Room, Skibo Hall. See reverse side for full details and reservation form.

THURSDAY, SEPTEMBER 17, Lunchtime Seminar. Downtown YWCA, 12 noon to 1:30 P.M. Speaker: Mr. Henry Hegerle, City Plan Examiner, Bureau of Building Inspection. See reverse side for full details and reservation form.

SATURDAY, SEPTEMBER 19, Fall Frolic at Fallingwater with Frank. Well known Frank Lloyd Wright impersonator, Mr. Lyman Shepherd will present “A Unique Tribute to the Life of Frank Lloyd Wright,” courtesy of William P. Roach, Pittsburgh Representative from Rixson-Firemark, the door control specialists. Mr. Shepherd has delighted audiences nationwide with his dramatic and accurate account of Wright’s life from his early childhood to his later years at the forefront of the architectural profession.

The trip to Fallingwater includes bus transportation, admission, buffet dinner and entertainment. Bus leaves Firstside Garage (Blvd. of the Allies) at 4:15, returns 11-11:30 P.M. COST: $22/per member or $25/non-member. For reservations or more information call Lana Andrews, 471-9548. Please respond early; reservations are limited!

THURSDAY, SEPTEMBER 24, IFMA Dinner Meeting with Michael Brill. Michael Brill of BOSTI will be the guest speaker at the September 24 Dinner Meeting of the Greater Pittsburgh International Facility Management Association. His topic will be the Economic Justification of Ergonomic Design.

Mr. Brill is President of BOSTI, the Buffalo Organization for Social and Technological Innovation, and Professor of Design at the School of Architecture, State University of New York at Buffalo. He is widely known as a researcher, author, lecturer and consultant in facility management, workspace design and ergonomics.

At 4:00, Mr. Brill will lead a seminar exploring economic incentives and financial payback analyses for ergonomic expenditures. The dinner will follow at 5:30. Location: Green Tree Mariott. Cost: $25.00 dinner only; $40 seminar and dinner.

Advance reservations are required by Sept. 12. Contact: E.F. Zuschlag, Baker Engineers, at 495-7711.

SEPTEMBER 27-OCTOBER 3, News Flash! Allegheny County Commissioners proclaim ARCHITECTS WEEK at the request of Chapter President, Bill Bates. Look for further details in next month’s COLUMNS.

SUNDAY, SEPTEMBER 27, Calling all quick footed architects! The City of Pittsburgh’s Great Race hosts its 5th annual Corporate Team Competition. Chapter members who wish to run on the AIA team should register their names with Lana (471-9548) by September 11.

COLUMNS will announce upcoming events/activities relevant to its readers. Send typewritten copy to: CALENDAR, AIA Pittsburgh Chapter, 307 Fourth Avenue, Pgh., Pa. 15222. Deadline is 10th of month prior to month of publication.

MARKETPLACE  
Have a position to fill? Space to sublet? Equipment to sell? Now you can find the perfect buyer, seller, tenant, associate, etc. through MARKETPLACE. COLUMNS’ exclusive classified listings targeted directly to the architectural and design profession.

CLASSIFIED RATES:  
AIA Members: $ .75/word  
Non members: $1.00/word  
Count address and phone no. as separate words.

SEND TYPEWRITTEN COPY TO:  
COLUMNS c/o The Cantor Group, 1225 Farragut St. Pittsburgh, PA 15206. Checks payable to The Cantor Group/AIA must accompany insertion order.

DEADLINE FOR OCTOBER ISSUE: Sept. 15
Your own unique ideas in windows and doors
Imagination takes shape at the

CUSTOM PLANT

[Image of various window designs]
Special products made by special people. In a special place.

Pella people are special. Dedicated to quality, they exercise unusual skill and painstaking care to achieve it. Every Pella Product shows ample evidence of their concern.

Now some of these craftsmen have been set apart. They've become the core around which a factory-within-a-factory has taken shape — the Pella Custom Plant. Here, exacting artisans build custom windows, door and accessories. And here, "custom" includes any unit or item of special size, shape or specification — outside Pella's regular product offering but well within its demanding standards for quality and performance.

The Pella Custom Plant builds only to individual order — to the exact requirements of the architect, contractor or owner who needs custom units of the highest quality. At Pella, the quest for quality is quickened by a "can do" spirit that motivates master craftsmen to give form to your individual ideas and needs, no matter how specialized they may be.

Shown and described here are just a few of the unusual windows and doors manufactured by Pella. These units are typical and only suggest the broad range of Pella's special capabilities; they can match the limits of your imagination. Custom products from a customer-oriented company; Pella.

Wood and clad casement, awning and double-hung units. Fixed windows and glazing frames.
- Custom sizes (larger or smaller than standard).
- Custom shapes (round-top ventilating units, hexagonal, octagonal and trapezoidal fixed windows, etc.).
- Custom hardware and accessories.
- Custom glazing (requiring modification of units).
- Custom wood and clad colors and finishes.
- True divided glass lites; custom wood, clad and exterior metal fixed and removable muntin bars.

Wood and clad sliding glass doors, Contemporary and Traditional French Doors. Transoms and sidelights.
- Custom sizes (larger or smaller than standard).
- Custom shapes.
- Custom arrangements of fixed and operable panels.
- Custom hardware and accessories.
- Custom glazing (requiring modification of panels).
- Custom wood and clad colors and finishes.
- True divided glass lites; custom wood, clad and exterior metal fixed and removable muntin bars.
**Fixed Circlehead Windows**

Wood and clad circlehead units and composites.
- Custom sizes (larger or smaller than standard).
- Custom shapes (full, half and quarter circles, elliptical, full, half and partial chord units, archhead with equal or unequal sides, cathedral/gothic, springline and quarter springline units).
- Custom glazing (requiring modification of units).
- Custom wood and clad colors and finishes.
- True divided glass lites; custom wood and clad muntin bars including fixed and removable sunbursts, fanlites and other special arrangements.

**Skylights and Sloped Glazing**

Fixed and operable clad skylights and sloped glazing systems.
- Custom sizes (larger or smaller than standard).
- Custom shapes (triangular units, pyramidal composites, etc.).
- Custom unit and sunroom hardware and accessories.
- Custom glazing (requiring modification of units).
- Custom clad colors and finishes.
- Custom applications of skylights, sunrooms and glass-enclosed structures.

**Commercial Windows**

Wood and clad monumental, pivot and double-hung LD units. Fixed and composite units.
- Custom sizes only.
- Custom shapes (round- or curved-top units, etc.).
- Custom hardware and accessories including panning, trim and installation systems.
- Custom glazing (requiring modification of pivot and double-hung LD units).
- Custom wood and clad exterior and interior colors and finishes.
- True divided glass lites; custom wood, clad and exterior metal fixed and removable muntin bars.

*Note: Custom orders are subject to acceptance by Rolscreen Company which reserves the right to produce only finished products which will meet Pella's accepted standards of performance.*
Pella: Products, support and service — all custom

1 Rolscreen Company: A leader in product innovation, quality and service since the first Pella Window was introduced in 1937.

Rolscreen Company provides comprehensive architectural/engineering support through local Pella distributors. The firm's size, financial strength and industry position assure you of continuing Pella availability and service.

2 Pella Custom Plant: Created to meet your individual requirements, this facility applies Pella's resources to crafting windows and doors that are truly custom — made expressly to the buyer's order. Innovative design, technology and exacting workmanship result in products that are unique — and uniquely Pella in quality and performance.

3 Pella Commercial Division: On projects of commercial or institutional scale and complexity, the Pella Commercial Division offers its extensive and sophisticated resources. Contact them through your distributor for design and technical assistance as well as custom products and installation systems.

4 Pella local distributors: Pella Products are available throughout North America and overseas. Local distribution points are staffed with professionals — Pella Window and Door specialists who offer expert and attentive service, before and after the sale. Call them when planning your next construction project or renovation job.

Windows and doors as you like them. As only we build them. At Pella, of course.
POINT OF VIEW  William Bates, Chapter President

The Pittsburgh Chapter of the AIA is pleased to bring you COLUMNS, one product of the 1987 planning strategy. During the annual long-range planning meeting last fall, a select group of board members and at-large Chapter members met to examine the goals and direction of our organization.

One clear message arose from this self-analysis of Chapter and profession. As a profession, architecture has a low profile in the public eye. An essential foundation for building external public image is the matter of internal image. Our Chapter's board and 11 committees are among the most active in the country, but relatively few of our members are aware of this fact. If unaware of the premium service provided, some members may lack confidence in the Chapter's ability to attain its goals. They may therefore provide limited support for our efforts.

This renovated edition of our newsletter is not an effort to impress you with a new format and graphics. It is designed to be an effective framework for intra-chapter communication. COLUMNS will keep you up-to-date with all Chapter, Board and Committee activities. More importantly, COLUMNS will give you news of your fellow professionals and will provide a forum for your commentary and discussion. We welcome LETTERS TO THE EDITOR on topics which affect you and the profession, such as liability, compensation or local zoning. Finally, COLUMNS will provide our Chapter with a convenient tool for outreach to the public, press and potential members.

I am confident that COLUMNS will bring us a stronger, more unified Chapter and a greater public appreciation of the role of architects in shaping the built environment. As stated by Donald Hackl, National AIA President, "An enlightened public is the most basic ingredient in resolving many of the problems affecting our profession."

Unfinished Columns  Letters to the Editor

To the Reader:

In any building project, there comes a time when the structure becomes functional, while it may not be complete, it works. Your editors have reached that stage in the building of COLUMNS. Plans and sketches have taken tangible form and a functioning newsletter for the Pittsburgh AIA Chapter is now in your hands. Yet COLUMNS remains unfinished; it awaits your participation.

Did you enjoy the feature on page one? Did you disagree with an opinion expressed in POINT OF VIEW? Is there an architect we should feature in PROFILES? A seminar for the calendar? If COLUMNS is to reflect the diverse and creative spirit of the architects in Pittsburgh, we must have your support.

We need to receive press releases about new building and projects, about honors and prizes awarded to local architects and about continuing educational opportunities for the entire design community. Please add COLUMNS c/o AIA PITTSBURGH Bank Tower, Suite 1207 307 Fourth Avenue Pittsburgh, PA 15222 to your Public Relations list.

Your news, your ideas and your views will enliven future issues and will help us to finish COLUMNS.

The Editors
BRICKS AND MORTAR

MEMBERSHIP COMMITTEE

Chair: Gwen Williams-Pittsburgh Architects Workshop - 682-6360

To our non-member readers: The Pittsburgh Chapter, American Institute of Architects is growing. We invite you to come aboard. When you join the AIA, you will:
- keep abreast of what is happening at the national, state and local level.
- receive discounts on all seminars and publications.
- enjoy five pre-paid monthly dinner meetings with informative guest speakers and discounts on all others.
- have a say in legislative issues, programs and public awareness.
- exchange fellowship and comraderie with others in your profession.

Three categories of membership are:
1) Registered architect 2) Intern architect (working towards registration) and 3) Member of building trade/design industry or academic community.

For more information and/or application, call or write Lana Andrews, Executive Director, Pittsburgh Chapter, AIA, 307 4th Avenue, Suite 1207, Pgh. PA 15222 471-9548. Gwen Williams is also happy to talk with interested individuals about the benefits and rewards of AIA membership.

GENERAL CONTRACTORS
CONSTRUCTION MANAGERS
412-281-8300
EDUCATION AND PROFESSIONAL DEVELOPMENT COMMITTEE

Chair: Ana Guzman - University of Pittsburgh 624-9535

Continuing Education is an important component of the AIA Pittsburgh Chapter’s activities. Lunchtime seminars are held monthly on a variety of topics relevant to daily practice. Each monthly seminar will be announced in a COLUMNS insert, complete with registration form. Sign up and join us!

PROGRAM COMMITTEE

Chair: Jon Grant - Williams Trebilcock Whitehead - 321-0550

The program committee plans and selects speakers for the Chapter’s monthly membership meetings. Local architects, city planners and well known academics bring their views to our meetings. Watch for announcements of monthly meetings with a tear-off registration form in COLUMNS.

AIA/CMU LIAISON

Chair: Steve Quick - Quick Ledewitz Architects 687-7070

The AIA Pittsburgh Chapter and the students and faculty of Carnegie Mellon School of Architecture maintain close ties through the activities of this committee which sponsors joint programs beneficial to students and chapter members throughout the year. Together, the committee and University organize career placement service, student interviews with chapter and alumni firms for summer and career employment, and a Resume/Portfolio Workshop where students are given professional advice to prepare them for the job search ahead.

Plans are underway for the Annual Student Practitioner Night in March involving student reports, an exhibition of current work and faculty presentations on the architectural program at CMU.

PUBLIC AWARENESS COMMITTEE

Chair: Ivan Santa-Cruz - Williams Trebilcock Whitehead - 321-0550

The Public Awareness Committee is pleased to announce the publication of the First Annual Southwestern Pennsylvania Directory of Architectural Firms. The directory, financed entirely by advertising, profiles over 90 local firms according to size, history, specialization, key projects and contacts in order to facilitate the selection process for potential clients.

The directory will be sent free of charge to Chapter members and to over 1300 individuals in positions to contract for architectural services. These include: mortgage bankers and officers, commercial realtors, major general contractors, CPA firms, school district superintendents, NACORE members, BOMA members, Allegheny County Attorneys involved in real estate, members of the Pittsburgh Chapter of Construction Specifications Institute, and Chambers of Commerce in twelve surrounding counties.

Thanks go to Shashi Patel, AIA and Mark Viola, AIA, for putting the book together and to Charles (Luke) Desmone, AIA for assembling the mailing list.

Additional copies are available through the Chapter office for $10.00 plus postage.
PROFILE

NAME: Bernard J. Lif

FIRM: Lif, Chetlin and Associates (retired).

TRAINING: Carnegie Institute of Technology

PERSONALS: Married, one son, one grand-daughter.


LEISURE TIME INTERESTS: Travel, development of building codes and standards.

SPECIALTY: General Practice.

WHEN AND WHY YOU CHOSE ARCHITECTURE AS A CAREER: My family was interested in building construction for several generations. In my later days of high school, it seemed to be a natural progression into architecture from construction.

FAVORITE PROJECT OR BUILDING: I had the most fun doing residential work in the 1950s. You more or less lived with the families and it became a much more personal thing than, say, a commercial or industrial building. You put more of yourself into it than any other type of building.

FAVORITE PITTSBURGH BUILDING: The county courthouse and jail, designed by Richardson. His architecture just seems to suit that particular use; it's a pure building.

FAVORITE BUILDING IN THE WORLD: St. Mark's Square, in Venice. It was designed for the people to use. Even though it's large, it seems intimate. You can go from one building to another in a sort of progression, it's all tied together.

MOST ENJOYABLE ASPECT OF ARCHITECTURE: There's a sense of creating something, accomplishing something that you thought about and worked on. You see it built and hope that people will enjoy it.

LEAST ENJOYABLE: The hardest parts are construction problems that arise.

WORLD'S GREATEST ARCHITECT: Frank Lloyd Wright. His architecture was his own; he evolved a style of architecture, not as part of a trend or a group. I think he was the most original thinker of this century.

MOST AESTHETICALLY PLEASING CITY: Paris. The geographical features, the river, the island, the flat countryside determined the character of the city. It seems more intimate than any other city.

ADVICE TO A STUDENT OF ARCHITECTURE: Work for a small office where you can become involved in almost every phase of the profession.

ELEPHANTS

Continued from page 1

The only visible addition to the theater is the new proscenium arch. Filoni: "Acoustically, the theater is wide. We had to do something to make the theater think it was narrower and that meant building a new proscenium. We had to find an aesthetic solution that wouldn't disturb the beautiful old decor, that would work for all the different groups that use it, without disturbing all the sight lines from the audience." The new proscenium is wooden, stained to match the existing woodwork, with movable panels which can be rotated for proper acoustics.

Historic restoration does have its drawbacks, however, for the architect and for the users of the Benedum. A large sign was located in the space above the mezzanine. The architects and the Benedum Center administrators hoped to replace the sign with a large arched window. Filoni: "This is an example of the problems that have been caused by society today in the United States, demolishing too many important historic structures. We're now facing a very severe attitude to preserve everything at any cost. You get to the point where the people can't enjoy the wonderfulness of that window. Putting a hole in a building where there was none is something that they really think violates the original structure. I think that's a tremendous opportunity missed."

And the rewards? Filoni: "It's a challenge because you have all this restoration technique to implement, plus we're getting to build a major new building, the stage house. It's a big public building, a very important statement in the middle of the city. It's the kind of thing that brings life to the city."
HERE'S THE BEST REASON FOR CHOOSING ELECTRIC HEAT: IT CAN COST LESS.

See us if you plan to use gas heat in your next new or remodeled building. Because we’ll show you how there’s a good chance you can lower energy costs when you design all-electric.

Since this seems to fly in the face of everything you know about the price of energy for heating, cooling and mechanical systems, we owe you an explanation. Here it is.

The cost-saving energy option you’ll want to know more about
You already know that the largest energy users in your building will be the heating and cooling systems. But you may not know that Duquesne Light can provide some compelling reasons to use electric heat as well as air conditioning.

The electric heat pump, an unlikely hero
Quite simply, there’s been a quiet evolution in the reliability of the electric heat pump, thanks to better design and controls. With this improved reliability, heat pumps can be specified confidently for total comfort conditioning—and eliminate the need for a combination gas heating/electric air conditioning system.

Or you may want to specify a system combining electric resistance heating with electric air conditioning.

Either way your all-electric building will be billed at a special, season-related lower heating rate. This means that the average kilowatt-hour cost of electricity—whether it’s used for light, heat or an electric pencil sharpener—will cost less than it would if your building used gas heating.

Lower electric costs and rebates
On top of lower electric costs, an all-electric building makes you eligible for cash rebates: $90 per ton on heat pumps and $20 per kW for supplemental resistance heating equipment installed with the heat pumps. For systems with electric resistance heating elements only, you get a $90 per kW rebate. If your project includes domestic electric water heaters rated 4.5 kW or larger, you can also earn an additional rebate of $110 per kW. These rebates can total as much as $8,300 CASH per 10,000 square feet of conditioned space—and will go a long way in helping to pay for the space and water heating equipment.

Let us show you how much you can save
Annual savings of 2 to 3% are common, as much as 4½% is not unusual—not counting our equipment rebates. Give us a chance to review your building’s plans and we will give you an accurate, computer-derived operating cost comparison. For a free cost comparison, talk to your Duquesne Light representative, Frank Richards, or call him at 393-6344.
BOARD ELECTIONS SCHEDULED SEPT. 15

The Nominating Committee, consisting of Bill Bates, Chairperson, George Ehringer, William Kerr and Park Rankin, recommends the following members to the Pittsburgh Chapter and PSA Boards:

**Pittsburgh Chapter: 3 year term**

**Jon Michael Grant, AIA**

**Education:** B. of Arch., Carnegie Mellon University; Real Estate Associate, Robert Morris College.

**Service:** Chairman, Public Awareness Committee, 1983-84; Chairman, Program Committee, 1985-87; 1986 Recipient, Pgh. Chapter Outstanding Service Award; Long Range Planning Committee, 1984-86.

**Firm:** Williams Treiblick Whitehead

**Robert G. Naugle, AIA**

**Education:** B. of Architecture, Carnegie Mellon University.

**Service:** Pgh. Chapter AIA Board Member, 1985-present; Treasurer, 1986-present.

**Firm:** WG Eckles Company

**Robert Dale Lynch, AIA**

**Education:** B. of Arch., Catholic University of America

**Service:** 2nd Vice Pres., Pgh. Chapter AIA 1987; Statewide Legislative Committee, 1985; AIA representative to Construction Legislative Council of W. Pa., 1982-86. Consultant to Task Force for revisions to Pa. Act 235 (state law on access to handicapped) AIA representative to AIA/MPA Joint Committee, 1986-present; Architectural Accessibility Consultant to National Bureau of Standards and Architectural Transportation Barriers Compliance Board, Washington, D.C.

**Firm:** Robert Dale Lynch, AIA

**Stephen Quick, AIA**

**Education:** B. of Arch., University of California, Berkeley; M. of Arch. in Urban Design, Cornell University.

**Service:** Co-Chair, AIA/CMU Liaison Committee, 1987; Architects in Industry National Committee, 1979; Chapter Secretary and Officer, 1978-79.

**Firm:** Quick Ledewitz Architects

**Pittsburgh Chapter: 1 year term**

**Park L. Rankin, AIA**

**Education:** B. of Arch., Kent State University

**Service:** Pittsburgh Chapter AIA: Board member, past Treasurer; 1st Vice Pres., present. Member, AIA Committee on Architecture for Health.

**Firm:** Damianos and Associates

**William J. Bates, AIA**

**Education:** B. of Arch., University of Notre Dame; Graduate study in Construction Management, Penn State.

**Service:** Member, Bylaws Committee, 1981; Ways and Means Committee, 1983; Executive Committee, 1983-present; Long Range Planning Committee, 1983-present; Chairman of the Education Committee, 1982-present; Corresponding Member of the National AIA’s Minority Resource Committee; 1985-present; Treasurer, 1983; 2nd Vice Pres., 1984-85; 1st Vice Pres., 1986; President, 1987

**Employment:** Corporate Architect, Westinghouse Electric

Additional nominations will be accepted from the floor prior to the election at the Sept. 15 membership meeting. (see insert)

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**ARCHITECTURAL WOODWORK INSTITUTE WESTERN PENNSYLVANIA CHAPTER, INC.**

**FABRICATORS:**

- Allegheny Millwork, Inc.
- Cabinet & Millwork Co.
- Cramer Cabinets
- Fort Pitt Fixture
- Harmon Lumber & Supply

- Pittsburgh Cabinet Co., Inc.
- Straight Line Cabinet Co.
- Thomas-Kinney Lumber Co.
- Valley Kitchens

**SUPPLIERS:**

- Bobcock Lumber
- Bennett Supply Co.
- Distributor Service Inc.
- Eggers Industries
- Mann & Parker Lumber Co.
- Alan McIlvain Co.
- T. Baird McIlvain
- Pittsburgh Plywood
- Saw Sales & Machinery
- Sequoia Supply
- Sherwin Williams
- Triax Sales
- Wilsonart Laminates
- Wood & Plastics Industries

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