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As building enters its postwar phase, copper is again the favored metal for roofing, flashing and exposed metal work. Whether for a great hotel, hospital, office building or a small home, Anaconda Copper will provide enduring protection.
THE MAJESTIC NIAGARA FALLS

One of the Seven Wonders of the world, showing the American Falls, the Canadian Horsehoe Falls, as well as the little ship known as "The Maid of the Mist" which has been used for years for observers to get up close to the base of the Falls.
Each has its place...

In this age of industrial and professional specialization, every piece of equipment should "stand on its own legs." In the fan industry the relatively new axial flow fan meets many special installation requirements. It is ideal for the low pressure service encountered in air conditioning, ventilating and some industrial work.

On the other hand, the old, highly-developed centrifugal fan is usually better where the duct system requires elbows or bad connections near the fan inlet or outlet; or where pressures above 5" or 6" static are encountered, or where heavily dust-laden air is handled.

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How not to build a Haunted House...

NOT all haunted houses are old. Many a new house starts to haunt its owner from the day he moves in. Haunt him with troubles, worries, and ever mounting expense. This has always been true. And it’s even truer today with so many people wanting homes that there isn’t enough good material to go around.

But whether you can build today or not it’s wise to start planning now. Planning to build so soundly that the ghosts of shoddy construction and flimsy materials will never rise up to haunt you. For, thanks to scientific research, new methods and modern materials assure you greater comfort and long-lasting freedom from annoying repair expense.

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Huron School, Huron, Ohio, designed in architectural concrete by Harold Parker and C. Edward Wolfe, associate architects of Sandusky, Ohio. R. C. Reese of Toledo was structural engineer. Contractor was the Juergens Co., Lakewood, Ohio.

Roof over gymnasium and auditorium areas is series of reinforced concrete barrel shells. Acoustical lining was cast with the concrete in the gymnasium area. Roberts & Schaefer Co., Chicago, was consulting engineer on this roof design.

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ON THE COVER—
Kleinhans Music Hall—F. J. and W. A. Kidd, Architects
Eliel Saarinen, Associate.

EMPIRE STATE ARCHITECT
One of the most refreshing aspects of the creative thinking in architectural circles is the growing tendency to use materials to their utmost. Materials that combine several qualities are used frankly and to their full advantage.

Typical of this is the *Detroit Racing Association Clubhouse* shown on the opposite page. One material, lightweight concrete masonry, was selected to do three jobs, namely:

1. Serve as structural backup
2. Provide finished interior walls
3. Furnish sound deadening.

As you architects approach your first postwar convention, your thoughts are naturally divided between the prospects of the great potential building boom ahead and the threat to that boom of ever increasing costs. In offering a material that at one time can do three jobs, we can honestly say that here is one of "Today's Materials for Tomorrow's Buildings."

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One now in operation... a second under construction

Detroit Steel Products Company established a new plant in Buffalo, New York, early this year, for the manufacture of various types of Fenestra Steel Building Panels, including Holorib Roof Deck. This plant is now operating at full capacity in the production of Fenestra Panels for walls, floors, partitions, ceilings, and roofs.

A second Buffalo plant, for the manufacture of Fenestra Steel Doors, is now under construction. It should be in production before the end of this year.

Other plants in Detroit and Philadelphia will continue to produce many kinds of Fenestra Steel Windows for varied needs in houses, apartments, schools, hospitals, factories, commercial buildings, prisons, etc. A long-established plant at Oakland, California, serves the Pacific Coast area.

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IN RETROSPECT . . . .

Across the pages of Buffalo's architectural history have moved Richard Upjohn, H. H. Richardson, Louis Sullivan, Daniel H. Burnham, Frank Lloyd Wright, Bertram Goodhue and other nationally prominent architects. For the convention number of the New York State Association of Architects a selection of buildings has been made which we believe will be of interest to architects visiting the city. Contemporary buildings will be exhibited at the convention.

Guy H. Baldwin, who compiled and wrote the following article on Buffalo buildings, was graduated from Syracuse University in 1938 with the degree of B. Arch. In 1938 and 1939 he was associated with Bley & Lyman of Buffalo. Then he spent two years in the Buffalo municipal architect’s office. From 1942 to the present he has been chief draftsman with Duane Lyman and Associates. He says his sole ambition is to be Master of Heraldry for the automobile industry and to see a unicorn rampant on a field d’argent shining in the no-glare of the foci of Eliel Saarinen’s new elliptically ceiled display room near Detroit. The editors of ESA are grateful for the work which Mr. Baldwin has done without fee on this and other issues. His contributions have helped to make a better magazine and the editors hope his efforts will inspire other New York State architects to contribute articles to their magazine.
A PREVIEW
OF BUFFALO BUILDINGS

KEY FOR BUILDINGS
(on opposite page)

1. Lackawanna Terminal, foot of Main St.
2. Commodore Perry Housing Project, 386 Perry St.
3. Lehigh Terminal, Main and Scott Sts.
4. Memorial Auditorium, Main and Lower Terrace
5. Customs Building, Washington and Seneca Sts. 1858, Ammi B. Young, Architect
7. Ellicott Square Building, Shelton Square 1893-6, D. H. Burnham and Co., Architects
8. Federal Reserve Bank, Main and Swan Sts.
9. Dun Building, Pearl and Swan Sts.
   First Buffalo building to use interior steel frame
10. Prudential Building, Pearl and Church Sts. 1893-6, Louis Sullivan, Architect
11. St. Paul's Church, Shelton Square 1848-51, Richard Upjohn, Architect
12. Erie County Bank Building, Shelton Square 1893-6, George B. Post, Architect
   First Buffalo steel frame building
14. County Hall, Franklin and Eagle Sts.
15. County Jail, Delaware Ave. and Church St.
16. Buffalo Athletic Club, Niagara Square
17. City Hall, Niagara Square
18. Hotel Statler, Niagara Square
19. State Office Building, Niagara Square
20. U.S. Court Building, Niagara Square
21. Liberty Bank Building, Lafayette Square
22. Buffalo Insurance Company Building, Lafayette Square
   Cast iron front, 1876
23. Rand Building, Lafayette Square
25. Hotel Graystone, 24 Johnson Park
   First Buffalo reinforced concrete building
26. Buffalo Club, Delaware Ave. and Trinity Place
27. Christ Chapel, Trinity Church 1870-72, Cram, Goodhue and Ferguson, Architects
29. St. Louis R.C. Church, Main and Edward Sts.
30. New York State Institute for the Study of Malignant Diseases North Oak and High Sts.
31. Buffalo General Hospital, 100 High St.
32. Temple Beth Zion, 599 Delaware Ave.
33. Wilcox Mansion, 1838, 641 Delaware Ave.
34. Westminster Church, 1858, 724 Delaware Ave.
35. First Presbyterian Church, The Circle
36. Kleinhans Music Hall, The Circle
37. Lakeview Housing Project, 1 Pennsylvania St.
38. 74th Armory, Niagara and Connecticut Sts.
39. Saturn Club, 977 Delaware Ave.
41. Millard Fillmore Hospital, Gates Circle
42. St. John's P.E. Church, Colonial Circle
   1926, Bertram Goodhue Associates, Architects
43. W.R. Heath House, 76 Soldiers' Place
   1903, Frank Lloyd Wright, Architect
44. State Hospital, Forest and Elmwood Ave.
   1870-80, H.H. Richardson, Architect
45. State Teachers College, 1300 Elmwood Ave.
46. Albright Art Gallery, 1284 Elmwood Ave.
   1900-05, Green and Wicks, Architects
47. Buffalo Historical Society Building, Delaware Park
   1901, 1927, George Cary, Architect
48. General Motors Corp., Chevrolet Motor and Axle Division River Road, Tonawanda
49. William B. Hoyt House, Amherst St. at Nottingham Terrace
   1823, Joseph Ellicott, Architect
50. Walter Davidson House, 57 Tillinghast Place
   1904, Frank Lloyd Wright, Architect
51. Municipal Zoo
52. D.D. Martin House, Jewett Pkwy. and Summit Ave.
   1904, Frank Lloyd Wright, Architect
53. Children's Chapel, Church of the Good Shepherd, Jewett Pkwy.
   and Summit Ave.
54. St. Vincent de Paul's R.C. Church, Main St. and Eastwood Place
55. Canisius College, Main and Jefferson Sts.
56. University of Buffalo, Main St. and Bailey Ave.
59. Edward J. Meyer Memorial (City) Hospital, 462 Grider St.
60. Buffalo Museum of Science, Humboldt Park
61. 69th Armory, 29 Masten Ave.
62. Civic Stadium, Jefferson and Best Sts.
63. Buffalo Airport, Genesee St., Cheektowaga
64. Central Terminal, Paderewski Drive
66. Niagara Frontier Food Terminal, Bailey Ave. and Clinton St.
67. Larkin Administration Building, 680 Seneca St.
   1904-5, Frank Lloyd Wright, Architect
68. Saskatchewan Pool Elevator, Fuhrmann Blvd. and Tifft St.
The simplicity of this building made possible its opening in April, 1895, one year after the start of construction. Designed by a Chicago architect and built by the Chicago Guaranty Construction Company at a cost of $600,000, the Guaranty Building, as it was then known, claimed to embody every point of excellence in the new Chicago school of office-building architecture. An ashlar wall pattern was abandoned for a frank expression of the structural steel frame, with emphasis on the more important vertical members, covered with a delicately ornamented terra cotta veneer. Called severe in outline at the time, it was the third all-steel frame office building in the city, the first two being the Morgan Building and the Brisbane Building. It incorporated many of the features of the Wainwright Building, which Sullivan had designed to be built in St. Louis in 1890, but the Buffalo building can be seen as it was designed to appear, as an isolated tower. Sullivan was the first architect to find an appropriate expression for the new tall buildings. Not concerned wholly with major matters of design, he esteemed himself as the creator of a new system of ornament, and his work with the metal of the elevator cages and the exterior terra cotta moved one critic recently to call it "the last really fine architectural ornament created in Europe or America."
Designers of early twentieth century public buildings, especially art museums, believed in an effective salesmanship of purpose which required no billboard to proclaim the use of the building. No stranger would ever confuse them for the usual school or office buildings. The Albright Art Gallery has a quiet charm, a simple austerity, which in its park setting will be favorably received over a long period of time. Originally such a building was designed essentially as a repository of the arts. In recent years the efforts of the staff have been to make these resources increasingly available to the general public. More of the basement has been assigned to administrative and educational work in quarters which are not readily recognized as such, but are convenient to stacks and easily controlled. One public works project that ought to receive consideration in slack times should be the cleaning of the exteriors of public buildings of accumulated grime. Certainly this building and St. Gaudens’ caryatids at either end of the east facade are worthy of it.
When it was built, the Ellicott Square Building was the largest commercial edifice in the world. Its construction between May, 1895 and May, 1896, was a tribute to the architect's capacity for organization, and to the contractor, Jonathan Clark and Sons Company of Chicago. The building was the first in America to occupy an entire block and one of few to be designed for 100 pound live load. It is 200 feet by 240 feet, ten stories high and designed to take ten additional stories, and has a floor area of 447,000 square feet. Its interior court is large enough to hold mass meetings. The cost of site and building was about $3,350,000. Forty stores were planned for the first floor, banking rooms for the second, and the next seven floors were occupied by 600 offices. The Ellicott Club occupied half of the top floor. Special services offered the tenants included a bicycle room in the basement, Turkish or Russian baths, a law library, telephones in each room and one of the world's finest operating rooms of the Western Union Telegraph Company. The building brochure announced: "A great opportunity for architectural display was presented, but the architects have resisted all temptation to indulge in towers, domes and other ornaments pertaining solely to the picturesque; and have addressed themselves in a sober, rational manner to the work of producing an edifice which in architectural treatment shall express in a clear and unmistakable way the purpose for which the building is intended—a purely commercial building."
The strongest influence on the architecture of Buffalo has been the Pan-American Exposition of 1901. It influenced local architecture as the Columbian Exposition influenced national architecture and as recent World Fairs have failed to do. The two remaining buildings of the Exposition, the casino in Delaware Park and the Historical Society Building are not particularly typical of that architecture, but the latter is considered by many to be one of the finest buildings in the city. It was designed as the New York State Building of the exposition, the Society contributing its building fund in order to erect a permanent marble building which was later to become its permanent home. The front entrance facing Park Lake is a three-quarter scale reproduction of the Parthenon. The marble was obtained from the quarries on Isle la Motte in Lake Champlain. In 1925 the east and west wings were added, the sculptured tablets and tympanum were executed by Edmond Amateis, and the library and auditorium remodeled. The Albright Art Gallery, its neighbor to the south, was planned at about the same time and in the same style but was not completed until 1905.
This was Richardson's earliest important commission, and with the Dorsheimer House, 1869 (No. 28), it forms a chronological record of the development of his personal style. The fusion of Romanesque and late Gothic forms here developed was widely copied in the next twenty years. The six story towers reminiscent of Kirby's pen and ink drawings soar into the air on an adventurous scale. The 60° roofs, the 16 foot floor to floor heights, the windows five times their width in height, produce a verticality in marked contrast to many modern buildings. The cut stone, groined vaults, raised stone joints and generous proportions bespeak a day alien to a 35 hour week.

On these grounds will be built a new six story medical and surgical building which will be part of a $3,100,000 modernization program.
The central part of this edifice is the one remaining building in Buffalo associated with the city’s founder, Joseph Ellicott, who built the house with the intention of giving it to his niece, Mrs. Sara Lyon of Lewiston. At his death in 1826 it was still incomplete. Col. Guy H. Goodrich purchased it and completed it in 1831 on its original site on Main Street north of High Street. In the ensuing years, the grounds were cut up into lots and sold until the old mansion was surrounded by newer buildings. About 1891, John C. Glenny purchased it and moved it to its present site where, remodeled and enlarged by George Cary, architect, it was known as “Amherst House.” William B. Hoyt purchased it about 1910 and the wings were added the next year under Mr. Cary’s direction. The building has been idle for some time, title having reverted to the city for taxes, but it is hoped that respect for one of the finest examples of early Buffalo residential architecture will permit it to be preserved in something like its original form. The scholarly proportions of the orders, the wood balustrade bordering the terrace, and the leaded glass windows and shell arch motifs of the center hall indicate that Ellicott was familiar with architectural developments in the East at the time.
This is a beautiful small chapel by the best known firm of Gothic revivalists. Past the Celtic cross of pink Tennessee marble, the chapel has an attractive location at the rear of the church close. The organ case, parapet and choir stalls are among the best examples of American liturgical wood carving. The painting in the Flemish triptych reredos is by Taber Sears and depicts Christ's visit to the temple at the age of 12. Above the reredos is a magnificent window whose jewel-like colors pervade the interior. The walls are a soft, pinkish tint, the arched ceiling is paneled in soft tones of dull green and rose. The beams and trusses are of wood decorated in gold, dull red and green. Beautiful memorial windows at the back of the nave complete the lighting of the chapel.
"As perfectly proportioned an example of Gothic architecture as can be found," was one critic's appraisal of this church which Upjohn considered his masterpiece. The triangular sloping site lent itself to a picturesque composition of 14th Century English forms which have several times been restored after serious fires. This and St. Joseph's Old Cathedral nearby are the only survivors of more than a score of large downtown churches. Cost in 1851: approximately $130,000. The two spires were finished 21 years later, and the taller tapers to a height of 268 feet above the walk.

The original sketches called for a church to cost about $85,000, some of which was allocated as follows: $16,722 for stone work, $16,900 for cutting the stone, $15,700 for carpentry, $11,500 for stained glass, and $2,544 for Mr. Upjohn's services. Wages paid were $2.00 a day for carpenters and $1.63 for masons. Wages were paid and contracts were made by the building committee, whose duty it was to purchase a quarry of red sandstone at Hultbertson near Lockport on the Erie Canal for use in the building of the Cathedral.
ERE COUNTY BANK BUILDING (No. 12)
1893-6. George B. Post, Architect

In the competition for this building the story goes that the Buffalo architects were of the opinion that a simple steel-frame structure such as the Chicago architects were developing would be desired. Post's winner was a wall-bearing, turreted, rough granite, six story building and a roof with three stories of dormers complete to copper chenau. The device of combining four stories in tall arches as in the Ellicott Square Building was borrowed with the turrets from Richardson's Marshall Field Store in Chicago. The banking floor has several times been remodeled and in a current renovation the single interior turret becomes a private elevator shaft. The ample storage space of the sub-basement is constantly being encroached upon by the extension of air conditioning machinery. The turreted floor plans present a constant challenge to the building manager and architect laying out suites of offices, yet their irregularities have more than once accommodated mechanical installations without cutting into the general office area, and the turreted offices are generally picked for "The Boss's Own." The constantly modernized mechanical equipment, the solid mahogany woodwork, and the highly polished brass hardware as if from H.M.S. Pinafore appeal to the attorneys who make up a large part of the tenant list and they feel that the building has something that would be lacking in just another office building.

WALTER DAVIDSON HOUSE (No. 50)

Many features that appeared in a recent small house competition are incorporated in this six level number. Exposure on three sides of the principal first floor rooms is made possible by the cross shaped plan. Here Wright creates a house whose roof, the most prominent feature, seems to glide up from near the front walk toward a backdrop of ancient trees across the back of the lot. This is accomplished by a front bedroom ceiling four feet high and a door six feet, one inch high in locations where perhaps they do not matter. In the summer the house is nearly lost in foliage; even in winter it is possible to ride past the house without seeing it.

The ceiling of the foyer way, about six feet six inches high extends into a cove lighting trough of wood of the same height, above which the living room walls and ceiling rise to about sixteen feet. A one and a half story leaded glass bay window facing the east provides the abundant light so often lacking in Wright interiors. Beyond the living room to the south extends a large screened porch with the most involved porch roof support ever devised by one mortal man.

The doors and the back of the built-in china cabinets in the dining room are of glass. The fronts are flush and the cabinets are about six inches shallower than the linen drawers below. A single light at the back of the "buffet" illuminates the entire back of the wall, past the china cabinets, and the china is illuminated by reflection and from behind.

There is a noticeable lack of moldings. All trim is of plain boards. The porch sill is of two planks. Even the leaded glass windows are quite restrained for Wright, but perhaps the only Wright round arches extant are the two in the breezeway between the house and the garage. Two of the special features of the house are a cedar closet ten feet long, four feet wide, and eighteen inches high, and a built-in automobile spray in the garage. Across the driveway insolently stand two Ionic columns of a neighbor's trellis.

EMPIRE STATE ARCHITECT
LARKIN ADMINISTRATION BUILDING (No. 67)
1904-1906, Frank Lloyd Wright, Architect

Variously called by Mr. Wright as the sire of the S. C. Johnson and Sons Company Administration Building and as the first protestant against the influence of Uncle Dan Burnham—Burnham who once tempted Wright with an Ecole des Beaux-Arts education—this building has been paid the sincerest form of flattery chiefly on the other side of the Atlantic. It is claimed to be a genuine expression of power applied directly to purpose, in the same sense that the ocean liner, the plane and the car is. The fact that structures of similar appearance exist on the Waziristan plateau where the principal power is that of the elements is beside the point. This is IT and Wright’s buildings are Number One on the Hit Parade. A more complete description is printed elsewhere in this issue.

This 2,000,000 bushel capacity grain storage elevator is one of at least a half dozen elevators with capacities over one million bushels. From one of the ship side towers a leg reaches into the ship, elevates the grain to a 500 bushel scale within the tower, then re-elevates it to the horizontal conveyor which can be seen running along the top of the structure. From this belt the grain can be dropped through the vees and ducts to any one of the reinforced concrete bins 24 feet wide and 85 feet deep. For cleaning, drying, or rail shipment, the grain is returned on first-floor belt conveyors beneath the bins to the penthouse end of the structure, re-elevated to the garner bins in the penthouse, and weighed on one of three 2500-bushel, 150,000-pound scales. For rail shipment there are four ducts from each scale, one to each of four railroad tracks. Grain is re-distributed in a loft story above the bins. Each bin is vented but there is a possibility of internal combustion if the grain becomes too dry.

The last wood grain elevator in Buffalo was recently dismantled, and there are several metal bins, but reinforced concrete is used almost exclusively. To the beauty-is-a-horrid-word school of architectural critics, one man addressed this remark: “The long range of rounded ferro-concrete verticals painted with aluminum paint has a majestic purity not belied by the detail of the two great towers to the side and the delicate superstructure on top.” On hearing this the superintendent of the elevator observed that he didn’t think the critic had got very close to the building.

Art museums won’t look like this for some time to come.

EMPIRE STATE ARCHITECT
BUFFALO HONORED

Buffalo is to be honored by the N. Y. State Association of Architects in October, the event being the 1946 Convention of the Association.

What is a convention and what will the coming one mean to us? Generally a conference of this kind is for the discussions of ideas for the making of a better association, the approval of new rules for the conduct of the members, and to create a closer relationship between the affiliate groups and members. Our conference will not vary much from the set rules. We will take inventory of the past five years since our last convention, discuss and decide upon new procedures and make new or amend old laws for our individual and group conduct. We will get better acquainted with our fellow workers and extend a welcome hand to those for whom this convention will be their first.

The democratic conduct of our convention guarantees the rights of the members who, represented by delegates chosen by them, make the laws. In short, it is the members' meeting and their right by majority vote to dictate their own policies. The delegates and members of all affiliated societies and chapters are extended a most welcome invitation to participate in the deliberations of the convention, to offer suggestions for the advancement of the association and to take an active part in the discussions at meetings and panels which have been carefully arranged for our benefit.

As host, the Buffalo-W. N. Y. Chapter stands ready for the event and we pledge our full support and cooperation. There is much to be done and this 1946 meeting should be well attended, not only by delegates but by members, that it may be productive of much good legislation for the profession.

Our latch string will be on the outside, not only to members, but to their wives who are most cordially invited and for whom events of much interest are scheduled. Only green traffic lights will be burning on all roads leading to Buffalo and we guarantee that “Jack won't be a dull boy” for there is much play as well as work in store for us.

Our chapter, because of its great influence, has arranged for three perfect October days. The surrounding hills will take on their autumn color not even matched by the Catskills, Niagara Falls will be “turned on” for the occasion and Old Sol has entered into a contract (our form 134J) to shine his brightest all during your stay.

G. MORTON WOLFE,
President
Buffalo-Western New York Chapter
A.I.A.

THE CONVENTION COMMITTEE

Front Row Left to Right: Melvin Morris, Publicity Chairman; Roswell E. Pfahl, Ticket Chairman; James W. Kidney, Conv. Chairman; S. Harold Fenno, Banquet Chairman; Charles J. Thiele, Niagara Falls Trip. Top Row Left to Right: G. Morton Wolfe, Commercial Exhibits; George Dick Smith, Jr., Program Chairman; Will Alban Cannon, Niagara Falls Trip; James S. Whitman, Arch. Exhibit; Ward Stewart, Buffalo Tourist and Convention Bureau; Conv. Mgr., Missing from the Picture; R. Maxwell James, Registration Chairman.
ANNOUNCEMENT TO THE MEMBERS

THIS CONVENTION NUMBER of the "Empire State Architect" is your official notice of the 1946 Convention of the New York State Association of Architects to be held in the Hotel Statler, Buffalo, New York, on October 17th, 18th and 19th, 1946.

HOTEL RESERVATIONS should be made BY EACH MEMBER at the earliest possible date directly to the Hotel. The Hotel can not be expected to hold unconfirmed reservations until Convention time. Rates at the Hotel Statler for single rooms are from $3.30 per day.

CONVENTION REGISTRATION. You will greatly assist the Convention Committee if you will Register in advance by mail, please let us know your Constituent Organization and whether you will wish tickets for any other member of your party.

TICKETS. As at previous Conventions, tickets will be sold only in a Book, which will include a ticket for each function. A registration fee of $1.50 has been included in the cost of each book of tickets for the members, and the balance represents the actual cost of all luncheons, the banquet and transportation to and from Niagara Falls. Members' books of tickets will be $13.50 each and for the ladies, $12.50 each.

The Program of the Convention follows.
OFFICERS AND DIRECTORS—1946

OFFICERS

President.......................... Matthew W. Del Gaudio
Vice-President..................... C. Storrs Barrows
Vice-President..................... Frederick G. Frost, Sr.
Vice-President..................... Ralph E. Winslow
Vice-President..................... Henry V. Murphy
Treasurer.......................... Maxwell A. Cantor
Secretary.......................... Raymond Irrera

DIRECTORS

George A. Boehm
James Wm. Kideney
Henry S. Lion
Sidney L. Strauss

James R. Vedder

THE CONVENTION COMMITTEES

GENERAL COMMITTEE

Will Alban Cannon, Niagara Falls Trip
S. Harold Fenno, Banquet
R. Maxwell James, Registration
James William Kideney, Chairman
Melvin Morris, Publicity

CONSTITUENT ORGANIZATION COMMITTEES

BROOKLYN CHAPTER
Adolph Mertin, Chairman
Vito P. Battista
Sidney H. Kitzler

QUEENS CHAPTER
Arthur Goddard, Chairman
Simeon Heller
Andrew Weber

ALBANY CHAPTER
Norman R. Sturgis, Chairman
Henry L. Blatner
Ralph E. Winslow

NEW YORK CHAPTER
Frederick G. Frost, Chairman
Sidney Strauss
Albert G. Clay

SYRACUSE SOCIETY
Charles R. Ellis, Chairman
Thorvald Pederson
Hawley E. McAfee

LADIES COMMITTEE

Mrs. George D. Smith, Jr. and Mrs. G. Morton Wolfe, Co-chairmen

RESOLUTIONS COMMITTEE

Henry V. Murphy, Chairman
Adolph Goldberg
Kenneth Stowell

CURRENT IN BUFFALO


BUFFALO PUBLIC LIBRARY—Exhibit of Architectural Books, Exhibit on Astronomy, Exhibit in Connection with Dante's Birthday.

ERLANGER THEATRE—The G. I. “Hamlet” with Maurice Evans

MEMORIAL AUDITORIUM—Friday, October 18, Wrestling. Saturday, October 19, S. Buffalo Post American Legion.

KLEINHANS MUSIC HALL—Thursday, October 17th, Donald Dame, Tenor, and Jesus Maria Sanroma, Pianist.
SUNDAY, OCTOBER 13th
Opening of the
Exhibits of
Contemporary Architecture

The Architectural Exhibition Committee will announce on Sunday, October 13th, the Awards in the Small House Competition.

The Jury is Lemuel C. Dillenback, William G. Kaelber, and F. M. Wells.

The Exhibit will continue through October 19th, and will be open to the public.

WEDNESDAY, OCTOBER 16th

10:00 A.M. Preconvention meeting of the Board of Directors, Fillmore Room, Mezzanine, Hotel Statler.

12:30 P.M. Luncheon of The Board.

2:00 P.M. Afternoon Session, Board of Directors.

2:00 P.M. Registration begins—the 17th floor, Hotel Statler.

2:00 P.M. Opening of the Material and Building Technique Exhibit—the 17th floor, Hotel Statler.

Note: Door prizes purchased by the Convention Committee are on exhibition in the Materials Exhibits Section. The second ticket of your book, when punched by each exhibitor, should be signed and deposited in the bowl on or before Friday evening.

Three prizes will be awarded at each luncheon.
THURSDAY OCTOBER 17th MORNING

9:00 A. M. Registration continues
17th floor, Hotel Statler

9:30 A. M. First Session
The Assembly Room, 17th floor.
Welcome from the City of Buffalo—The Honorable Bernard J. Dowd, Mayor.
Welcome from the Buffalo Architects—G. Morton Wolfe, President, Buffalo-Western
New York Chapter of the American Institute of Architects.
Response—Matthew W. Del Gaudio, President, New York State Association of
Architects.
Appointment of Tellers and announcements.
Resolutions of the Board.
Report of Committees.
First Report of Resolutions Committee.

THURSDAY OCTOBER 17th NOON

12:30 P. M. LUNCHEON—Niagara Room, Hotel Statler.
Note: Elevators will run directly from the 17th floor to the Ground floor.
FIRST DOOR PRIZE

THURSDAY OCTOBER 17th AFTERNOON

2:00 P. M. Panel Discussions.
Group A—HOUSING—Parlor A, The Mezzanine
Arthur C. Holden, Chairman
Julian H. Whittlesey
Lee T. Smith
C. Storrs Barrows
George Bain Cummings
Group B—CITY PLANNING—Grover Cleveland Room, The Mezzanine
Henry S. Churchill, Chairman
Thomas W. Mackesy
Robert C. Weinberg
Panel Discussions Continued.
Group C—HOSPITALS—Fillmore Room, The Mezzanine
Addison Erdman, Chairman
William H. Scopes, "Tuberculosis Sanatoria"
Leonard A. Waasdorp, Jr., "The Medical School Hospital from the Architect's
Viewpoint."
Dr. Basil C. McLean, "The Medical School Hospital from an Administrator's View-
point."
W. H. Crow, "Maternity and Nursery Services."
THURSDAY

OCTOBER 17th

AFTERNOON

Horace De Ved, "Some Mechanical and Electrical Problems Related to Hospital Planning."


D. Kenneth Sargent, Chairman

Frank Gilson, "Reducing School Costs."

Paul W. Seagars, "School Ventilation Problems as seen by an Administrator."

Lawrence B. Perkins, Perkins & Wills, "Natural Lighting of Class Rooms."

Albert J. Nesbitt, "School Ventilation Problems as Seen by a Manufacturer."

Group E—INDUSTRIAL AND COMMERCIAL BUILDINGS—Parlor C. The Mezzanine.

G. Morton Wolfe, Chairman

George H. Miehls, President, Albert Kahn & Associates, "The Wright Aeronautical Building."


THURSDAY

OCTOBER 17th

EVENING

7:30 P. M. The Assembly Room—17th floor.

Second Business Session, Matthew W. Del Gaudio, president, presiding.

Veterans and Veterans Affairs. Mr. R. C. Brock representing Div. of Veterans Affairs, State of N. Y.

Amendments to the Education Law.

Second Report of the Resolutions Committee

9:00 P. M. Registration closes.

LADIES PROGRAM

THURSDAY

12:30 P. M. LUNCHEON, Niagara Room, Hotel Statler

Afternoon, Shopping and Sightseeing Trips.

FRIDAY

12:30 P. M. LUNCHEON—Chinese Room, Hotel Statler

Bridge Party

Fashion Show.

5:30 P. M. Cocktail Party, Niagara Room

6:30 P. M. ANNUAL BANQUET—The Ball Room.

SATURDAY

10:00 A. M. Trip to Niagara Falls by Bus.

12:30 P. M. LUNCHEON—Hotel General Brock, Niagara Falls, Ont.

4:30 P. M. Return Trip by Bus.

EMPIRE STATE ARCHITECT
FRIDAY

OCTOBER 18th

MORNING

Third Business Session, Matthew W. Del Gaudio, president, presiding.
Third Report of Resolutions Committee.
Polls Open

Henry S. Churchill, Chairman.
Ralph Walker
Jacob Moscowitz
George Bain Cummings

12:00 P. M. Polls Close

FRIDAY

OCTOBER 18th

NOON

12:30 P. M. Luncheon—Niagara Room.
Speaker: Walker S. Lee, President, Building Officials Conference of America.
Subject—“Building Codes.”

For the Ladies

12:30 P. M. Luncheon—Chinese Room, the Mezzanine.
Bridge Party.
Fashion Show.

FRIDAY

OCTOBER 18th

AFTERNOON

2:00 P. M. New Building Techniques, Assembly Room, 17th Floor.
Tyler S. Rogers, President, The Producers Council, Inc., presiding.
And Others

5:30 P. M. Cocktail Party—Niagara Room.
The Delegates, Ladies and our guests, the Exhibitors.

FRIDAY

OCTOBER 18th

EVENING

6:30 P. M. THE ANNUAL BANQUET, The Ball Room.

M E N U

Shrimp Cocktail
Cream of Fresh Vegetable Soup
Celery
Celery Radishes
Roast Sirloin of Beef, Sauce Financiere
or
Broiled Whitefish with Fresh Mushrooms
Rissolee Potatoes
Peas Jardiniere
Baked Alaska
Demitasse

Mixed Olives
Chef Salad

Speakers:
Roger Allen, President, Michigan Society of Architects, Toastmaster.
James R. Edmunds, Jr., President, American Institute of Architects, “The Architect
and the Building Industry.”
Joseph Hudnut, Dean, Graduate School of Architecture, Harvard University, “The
Architect’s Place in Society.”
Music by Armbruster’s Orchestra.
THE SPEAKER'S TABLE

Roger Allen, President, Michigan Society of Architects
Charles Butler, Pres., N. Y. State Board of Examiners for Architects
R. W. H. Campbell, Vice-President, Liberty Bank of Buffalo
J. Roy Carroll, Jr., President, Pennsylvania Society of Architects
Carlton P. Cooke, Vice-President, Buffalo Savings Bank
Matthew W. Del Gaudio, Pres., N. Y. State Association of Architects
Charles Diebold, Jr., President, Western Savings Bank
The Honorable Bernard J. Dowd, Mayor, City of Buffalo
James R. Edmunds, President, American Institute of Architects
Stanley Falk, President, Council of Social Agencies.
Joseph G. Fisher, Vice-President, The Marine Trust Company
Branson V. Gamble, State Association Director, American Institute of Architects
Harold Genrich, President, Niagara Frontier Builders
Milton J. Guggenheimer, President, Buffalo City Planning Association
Chauncey J. Hamlin, President, Niagara Frontier Planning Association
Joseph Hudnut, Dean, Graduate School of Architecture, Harvard University.
Edwin F. Jaeckle, Attorney, Garono, Jaeckle & Kelly
William G. Kaeler, Regional Director, New York District, American Institute of Architects
James Wm. Kidney, Architect, Chairman Convention Committee
Ernest Kremers, President, Niagara Falls Planning Commission
J. Eugene McMahon, Chairman, Buffalo Municipal Housing Authority
Welles V. Moot, Chairman, Buffalo City Planning Commission
George A. Newbury, Executive Vice-President, Manufacturers and Traders Trust Company
Daniel Niederlander, President, Employing Contractors Association
Tyler S. Rogers, President, The Producers' Council, Inc.
Dexter P. Rumsey, President, Erie County Savings Bank
The Honorable Charles B. Sears, former Judge of the Court of Appeals
F. C. Sommerfelt, President, Buffalo Real Estate Board
Elwyn Speyer, Commissioner of Public Works, City of Buffalo
Harland Steele, President, Ontario Association of Architects
Daniel J. Streeter, President, Buffalo Chamber of Commerce
George Sturges, Secretary, Building Trades Council, A.F.L.
Wallis A. Vogel, President, Architects Society of Ohio.
Herbert J. Vogelsang, President, Niagara National Bank
The Honorable Cornelius J. White, New York State Architect
G. Morton Wolfe, President, Buffalo-Western New York Chapter, American Institute of Architects
Henry S. Churchill received the degree of B. Arch. from Cornell in 1915 and M. Arch. from the same institution in 1916. He has practiced in New York since 1919, first as Thompson & Churchill, then alone, and recently as a member of Churchill-Fulmer Associates. He has designed or helped to design many office buildings and apartment buildings, among them 317 E. 57th St., New York; State Tower Building, Syracuse; Queensbridge Houses, New York; Fort Greene Houses, Section III; Acquachamock Gardens, Clifton, N. J.; and Seabrook Farms Village, N. J. He has done city-planning work for Sewicke, Pa., Orlando, Fla., Jersey City, and Talara Nueva, Peru. He is the author of "The City Is the People, Neighborhood Design and Control, and Densities in New York City.

Walker S. Lee attended Wagner College and the Rochester Institute of Technology. He was deputy fire marshal of Rochester for seven years. He later practiced architecture in Rochester from 1925 to 1933, designing theaters, schools and apartment buildings. In 1933, he was appointed superintendent of the Rochester Bureau of Buildings, a post he has held since. He has been a member of numerous civic and professional groups including the American Standards Association, Building Officials’ Conference and Civilian Defense. He is president of the Building Officials’ Conference and the Rochester Engineering Society and vice president of the Building Code Correlating Committee of the American Standards Association.

Addison Erdman was graduated from the University of Pennsylvania in 1917 with the degree of B.S.A. He served overseas in France and Belgium with the 27th Division in World War I. Returning to this country in 1919, he began his architectural career in Charles Butler’s office, simultaneously continuing his studies in architecture at Columbia. While associated with Mr. Butler, he has been engaged as consultant on buildings for such firms as Shreve, Lamb & Harmon; Mayers, Murray & Philip, and Fetherstonhaugh and Durnford of Montreal. In 1940, he and Mr. Butler planned the 100-bed mobile hospital unit suggested by the late Dr. Alexis Carrel and used by General Montgomery in Egypt. Author of articles and books on hospital architecture, Mr. Erdman at present is a member of the Board of Architectural Consultants to the Veterans Administration.

Matthew W. Del Gaudio studied at Cooper Union, Mechanics Institute, and Columbia University; he has practiced since 1910. In World War I, he served with the Engineers as a first lieutenant and in World War II he served again with the engineers as a captain. He was the architect for many churches and schools in New York City, for the Bronx County Trust Co., Bloch & Guggenheimer factory, Long Island City; A. J. Mainzer factory, Long Island City; Williamsburg and Morrisania housing projects. He was consultant on these projects in New York: Parkchester, Stuyvesant Town, Riverstone redevelopment, Peter Cooper Village, Valdstock Houses, East River Houses and South Jamaica Houses. He is past secretary and president, New York Society of Architects; national director, American Institute of Architects, and president, New York State Association of Architects.

G. Morton Wolfe was graduated from Hartford high school in 1903 after an intensive course in the manual arts and after three years of tutoring under Arthur B. Babbitt in architecture and William Howe in engineering. In that same year, he was employed as a draftsman in the contracting business of S. H. Woodruff of Buffalo; he became chief draftsman in 1903. From 1903 to 1928, he was a partner with the Tellier Construction Co. in Toronto, serving as chief draftsman, estimator and general manager. In 1928, he opened his office in Buffalo and has practiced architecture there without interruption except for two years of inspection service during World War I. A specialist in industrial architecture, he has done much work for General Motors, British Purchasing Commission, and the United States Government. He was president of the Western New York Society of Architects for five years and has served since January 1945 as president of the Buffalo-Western New York Chapter, A. I. A.
James R. Edmunds, Jr., was born in Baltimore, Md., and received a B. S. degree from the University of Pennsylvania in 1912. He won the Interscholastic Architectural Competition and the Arthur Spayed Brooke gold medal for merit in architectural design, and he was made a member of Sigma Xi, honorary architectural fraternity. Mr. Edmunds has served as chairman of the Baltimore Housing Authority, president of the Baltimore Building Congress and Exchange, secretary and treasurer of the Maryland Architectural Registration Board, and as a director of the emergency field unit of the American Red Cross. He is a fellow of the American Institute of Architects and an honorary member of the Royal Institute of British Architects. Among buildings he designed are: Halsted Surgical, Osler Medical and Wilmer Eye Clinics for Johns Hopkins Hospital; University of Maryland Hospital; Baltimore Country Club; Hutzler Bros. Department Stores, Baltimore; Hospital and Submarine base for U. S. Navy at Charlotte Amalie in Virgin Islands.

Roger Allen, born and educated in Michigan, learned architecture in the office of his father, Frank P. Allen, a Grand Rapids architect. During World War I, he was lieutenant with the Naval Railway Battery in France. Mr. Allen's architectural practice is devoted largely to institutional work. At present he is engaged in a $3,000,000 expansion project at the Central Michigan College of Education and also is architect for the Michigan Veterans' Facility at Grand Rapids, where living and hospital facilities for 750 additional veterans are being provided at a cost of $1,000,000. In addition, Mr. Allen contributes a daily humorous column, Fired at Random, to the Grand Rapids Press, and does considerable writing and speaking outside his regular practice.

Joseph Hudnut received degrees from the University of Michigan Engineering Department in 1912 and the School of Architecture of Columbia University in 1917. He served with the American Expeditionary Force between 1917 and 1919. After private practice, Mr. Hudnut was appointed director of the School of Fine Arts of the University of Virginia in 1922. In 1925 he became dean of the Columbia School of Architecture and in 1935 he was appointed to his present post of dean of the Faculty of Design at Harvard University. He continued the practice of architecture until 1932 and is the architect for many buildings in New England, New York, and Virginia.

Lawrence B. Perkins was graduated from Cornell University in 1930 and is now a partner of Philip Will, Jr., in the firm of Perkins & Will, Chicago. They designed the Crow Island, Rugen and other schools, as well as houses, churches and industrial buildings. Mr. Perkins is the son of Dwight H. Perkins, prominent school architect, and Lucy Fitch Perkins, author and illustrator. Mr. Perkins married Margery Blair of Buffalo, who was graduated from Cornell in 1928.

D. Kenneth Sargent was graduated from Syracuse University in 1927. In 1930, he became associated with Earl Hallenbeck in the designing of school buildings. He began his own practice in 1934, continuing until 1946 when he formed the partnership of Sargent, Webster, Crenshaw & Folley with offices in Syracuse and Watertown, N. Y. In 1935, he was appointed instructor in architecture at Syracuse University and rose to his present rank of professor of architecture. In the last twelve years he has designed mostly small buildings, such as the Gouverneur, Theresa, Belleville, Genoa, and South Otsego schools in Central and Northern New York.
SATURDAY OCTOBER 19th MORNING

9:00 A. M. Fourth and Final Business Session.
The Assembly Room, 17th Floor
Matthew W. Del Gaudio, president, presiding

10:00 A. M. Trip to Niagara Falls, via buses,
Kleinhans Music Hall (30 minute stop) and Canadian Boulevard to Hotel General
Brock, Niagara Falls, Ontario.

12:30 P. M. JOINT LUNCHEON—General Brock Hotel
Ontario Association of Architects, New York State Association of Architects
Speakers:
Harland Steele, President, Ontario Association of Architects.
Matthew W. Del Gaudio, President, New York State Association of Architects.
Adjournment. Sine Die.

4:30 P. M. Return trip by buses to Buffalo via Niagara Falls, N. Y. and Grand Island Bridges.
Identification of some kind, as draft registration card, discharge papers, or the like will avoid any delay on re-entry into the U. S. A. Automobile and driver’s licenses are not adequate.

THE EXHIBITORS AND THEIR REPRESENTATIVES

Warsaw Elevator Company ................................................................. W. J. Taylor, F. W. Granville
Frontier Fuel Oil Corp ................................................................. Joseph A. Collins
Gate City Sash & Door Co ............................................................... Lionel J. Phillips, Wedell S. Phillips
Binghamton Brick Company, Inc. ......................................................... Clarence P. Austin
American Seating Company ............................................................. J. J. Thompson, Henry Schaefer
Collum Acoustical Co., Inc ............................................................. L. S. Ayars, Jr., J. T. Noye
General Electric Company, Lamp Division ........................................ Dean M. Warren, H. A. Olsen
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Great interest is being shown in many areas regarding the exhibit of the work of New York State Architects to be held in connection with the 1946 convention at Hotel Statler, Buffalo, from Thursday, October 17 through Saturday, October 19. This interest is expected to result in a representative cross-section of the contemporary architecture of New York State. The increasing importance of the annual state convention, which has not been held for a number of years due to the war, together with the larger membership now in the state association, all contribute to this keen interest in a post-war exhibit.

The requirements of the exhibition, which are set forth in detail elsewhere, are broad. They include all types of buildings completed or projected in the past ten years. Great freedom also is allowed in the presentation, which may be by photographs, sketches or models. Each subject should, however, be accompanied by presentation plans, and it is essential that the exhibits be presented in a manner suitable for exhibition purposes. Because of the anticipated large number of exhibits, it is suggested that when a number of projects is submitted by one party, they be numbered on the reverse side in order of preference, in case it should become impossible to exhibit all entries submitted, owing to lack of space.

The New York City chapter plans to hold a preliminary exhibition of its own in late September prior to shipping the exhibits to Buffalo. This is a worthy endeavor which might well be emulated in other areas. It is up to each constituent organization to see that its community is adequately and properly represented, and not remonstrate during the convention because the exhibition is predominately the work of architects from other localities. Each area will be given equal consideration in arranging the exhibits, but communities with a large number of well-presented entries will naturally make a much better showing.

In connection with the exhibit, an award of $75.00 is to be made to the architect of the small house judged best by a jury of outstanding New York State architects. The jury comprises Lemuel C. Dillenback, Syracuse University; William G. Kaelber, Rochester, and F. M. Wells, Cornell University. The house must have been built since 1936 and cannot contain more than 25,000 cubic feet, exclusive of garage, if attached.

The small house has always been a problem of undeniable fascination to the architect, and in spite of the fact that they are rarely remunerative, there is a thrill when one finds the right solution for a group of tight requirements, and a satisfaction that you may have done a bit to improve the standards of small house design.

Small house design has improved tremendously in this country during the last twenty-five years and the architect has played no little part in it. He has worked directly for the owner, for the developing builder, to whom he sold site plans and designs of basic units, he has provided stock plans through professionally sponsored groups, and in some instances he has erected complete small houses for sale.

This field has long been the haven of the young architect, starting in business for himself, and this exhibition of small houses is an opportunity which should not be passed up. It is hoped that many outstanding homes will be brought into the limelight through this exhibit, and all architects throughout the state are urged to go over their work of the last ten years for possible entries. The size of the house will not be a determining factor in making the award, as long as it comes within the limits. More than one entry may be submitted by any individual.

**EXHIBITION REQUIREMENTS**

All members of the New York State Association of Architects requested to exhibit.

All types of buildings completed or contemplated since 1936.

Mounted or framed photographs, perspectives, etc. or models, together with presentation plans.

Exhibits may be shipped or delivered by organizations, or individually to G. R. Barlow, Sales Department, Statler Hotel, Buffalo, New York. Exhibits should reach Buffalo by Thursday, October 19th. They may be taken at the close of the convention on Saturday, or will be returned.

**SMALL HOUSE AWARD**

House by New York State architect containing not more than 25,000 cubic feet, exclusive of garage, if attached. More than one entry may be submitted by any individual.

House must have been built since 1936.

One or more photographs, preferably 8 x 10, and presentation plans.

Diagram on reverse of plans showing cubic contents analysis, and date of completion.

An award of $75.00 is to be made to the architect of the small house judged best.

Exhibits of the small houses must be in Buffalo by Thursday, October 19th, as the judging is to take place on Friday the 20th.
RESEARCH TO CUT BUILDING COSTS

By JAMES R. EDMUNDS, JR.

Excerpts of an address by A.I.A. president before the Central New York Chapter in Ithaca June 20.

WE ARE emerging from the war period, although judging from our own experience and reactions, the degree of emergence is anything but satisfactory. Let us hark back to that paradoxically satisfactory day last August when the war ended. At that time we looked forward with hope and with the thought that ahead of us lay what we blithely called "reconversion": a necessary phase in the course of human events which should last from three to six months.

What was the picture a year or so ago in the construction industry? I can speak with authority only about the architectural profession, but we can assume that more or less the same conditions prevailed throughout other elements of the industry.

Architects' offices were jammed with work. Questions besetting the practitioner had to do with acquiring space for needed expansion, and with a desire to be sufficiently busy to keep the more impatient clients forced upon us. In our profession, great emphasis was placed, once we saw the end of the war in sight, on getting trained technicians out of the service as quickly and in as great numbers as possible.

Well, the great shooting war is over, at least for us. We are well embarked in the calendar period which some months ago we had prematurely entitled "reconversion." Just exactly what have we, and where are we? As one looks about now and takes stock, and as one brushes aside the illusions that we enjoyed, we are conscious only of uncertainty, worry, and frustration. In place of accomplishing a clear-cut reconversion, we have the forerunners of national disorder from which, no doubt, we will eventually extricate ourselves. But the process is going to postpose that happy period which we thought of as ours for the taking. A cursory glance at the headlines of any newspaper, any day, will serve to bear out this thesis.

I do not want to seem too pessimistic; I know we have the ability and the knowledge to set our country right, but I think it is time we cast off our happy smile of ignorant confidence and assume a rather more grim expression of determination.

In our own building industry we apparently lack building materials of many kinds, despite reports that almost anything is available on the black market. We have a plethora of restrictions and regulations—some impossible of application.

In my own profession, these problems may in a sense epitomize the problems of the industry. We are still coasting along with the momentum of the war. The answer to this problem of construction cost lies mainly in a greatly expanded program of research and in the coordination of such research as is being conducted now by individual organizations in the industry. We have seen how coordination and cooperation paid dividends in the development of dimensional coordination. That project which was little more than a distant hope a few years ago in reality today. There has been a great deal of talk but all too little action in the modernization of local building codes. If we all work and plan together, we can make real progress, thereby reducing the cost of building.

I should like to quote from a recent address by E. P. Palmer, the well-known contractor who served with distinction as chairman of the Construction and Civic Development Department Committee of the U. S. Chamber of Commerce. Mr. Palmer said:

"In common with all industry, an important factor for maintaining an active market for the services of our industry is the progressive reduction of costs. Much has been done and is being done in this direction by the manufacturers of construction materials and all mechanical equipment used in construction operations."

"It is a fact, however, that with a few exceptions, the research development of different units has proceeded independently of each other. It is believed that there is an opportunity for better co-ordination of thought and exchange of ideas. We should have an effective means of keeping all in the Industry informed as to the advance in the art. It is to be hoped that the Research Committee, recently organized by the Construction Industry Advisory Council, will develop some practical suggestions in this direction."

The recent rise in building costs has centered attention more sharply than ever before on the need for reducing our costs. A great mistake will have been made if a comprehensive research program is not gotten under way at an early date. I can't tell you exactly what fruits that research will have been made if a comprehensive research program is not gotten under way at an early date. I can't tell you exactly what fruits that research should bring. But I do know that we need to study the use of materials in combination; we may need to develop some new materials; perhaps new labor-saving devices can be devised.

One thing I do know is that an industry which has never had a co-ordinated research program can be very sure that it has been passing up many opportunities for lowering costs. Experience in other far-sighted industries has proved that point.

When I urge that all of us in the construction industry work together on these problems, I do not refer to management alone. Labor also must be invited to participate, because great possibilities for economy in building lie in the field of labor.

We must demonstrate to the men who put our bricks and boards together that by increasing their productivity, and thereby reducing the amount paid for the labor which goes into the individual building, the workers not only will make more building possible but also will increase their own total earnings.

There is no reason why the vast construction industry cannot pioneer in developing a type of cooperation between management and labor which will benefit both parties and at the same time benefit the public. There is no reason why we cannot find some way of entitling labor to obtain the certainty of a more or less stable annual income which would wipe out the curse of seasonal unemployment.

(Continued on page 89)
Architects in the New York metropolitan area are engaged in an ambitious and far-seeing program for unifying the architectural profession in order to achieve greater strength in civic affairs, to increase professional protection, to achieve better public relations, and to promote a sound office and organization for the use of all architects.

"Conferences have been held with presidents of various chapters of the metropolitan area, as well as presidents of the two independent societies which do not have charters from the A.I.A.,” declares Arthur C. Holden of New York. "Sentiment appears to be growing for the formation of a metropolitan chapter which will draw its membership from all A.I.A. corporate members in the metropolitan areas and shall be the representative body of the A.I.A. for the area of Greater New York.”

The following is a memorandum on the unification plan which is now circulating among New York architects:

A. Strength of Action in Civic Affairs
1. Effective political advice on the architects’ part must be directed at the City Council, the Board of Estimate, the Planning Commission, the Department of Housing & Buildings, etc., all city-wide bodies. A unified organization far stronger than the Joint Committee is required for constructive results.
2. Unification will result in a body of sufficient size, counting employees and families, to be of political weight.

B. Professional Protection
1. A strong city-wide group could codify good practice and deal with infringements with greater force and fairness than smaller local groups.
2. Better levels of fees and more equitable contracts, particularly with the city, can be obtained by a larger unified group.
3. Unification will strengthen the position of the practitioner with respect to the design of public works.
4. A strong city-wide organization can itself develop fair and uniform employment standards.

C. Public Relations
The best public relations can be realized by forming public opinion on matters affecting the life of all residents and workers in Greater New York. Architects are peculiarly experts on the good life for all people and should speak with one voice.

D. Operating Organization
Unification would permit, at a minimum cost per member, the maximum in paid personnel, quarters, office equipment, and publications. An efficient paid organization is necessary to achieve the advantages outlined above.

Unification in Greater New York must be for the specific purposes of:
1. political advice & action
2. professional protection
3. maintenance of sound public relations.

For these purposes the organization must be complete and strong.

Unification does not dispense with the need for the present local bodies, whose autonomy should be preserved for such valuable functions as (1) recommendations to the larger organization for unified action, (2) friendship and entertainment, (3) exchange of technical ideas, (4) special committee work and any other activities deemed advisable.

We, the Executive Committee, believing the above analysis to be true, recommend:
1. That steps be taken to reach an agreement with all concerned to form a new chapter of the A.I.A., to be called a name such as the Metropolitan Chapter or the Greater New York Chapter;
2. That this chapter automatically take into membership in a body all groups who conform to the membership requirements of the A.I.A., including the New York Chapter, the New York Society of Architects, the Brooklyn Chapter, the Brooklyn Society of Architects, the Staten Island Chapter, the Long Island Society Chapter, the Bronx Chapter, the Queens Chapter, and the Westchester Chapter.
3. That the Metropolitan or Greater New York Chapter adopt By-Laws specifically implementing but limiting its activities in behalf of the architects of Greater New York to political advice and action, professional protection and the cultivation of sound public relations;
4. That all the separate professional groups maintain their present identity, organization, and name, followed by such words as “Division of the Metropolitan (Greater New York) Chapter, American Institute of Architects,” but assigning to the unified group the function of public utterance on all matters relating to political advice and action, professional codification, discipline, and public relations;
5. That representation in and to the national body of the A.I.A. be through the Greater New York Chapter.

CONTRIBUTIONS TO E.S.A.
Empire State Architect will pay $5 ($10 in the case of original contributions) for any unsolicited articles, anecdotes, cartoons, or items of interest other than news of constituents, which are accepted for publication and which are not otherwise available to or reported by members of its own board.

Photographs of buildings in New York State with interesting architectural features are particularly desired. ESA also welcomes articles or suggestions on architectural subjects of interest to New York State architects.

Contributions must be typewritten and limited to 500 words—the shorter the better. If not original, give source, address, and date of publication so reprint permission may be obtained.

Send to Contributions Editor, Gordon H. Hayes, 526 Delaware Ave., Buffalo, N. Y. No acknowledgment can be made unless contribution is accepted for publication. Material can not be returned unless self-addressed, stamped envelope is included. Empire State Architect reserves all rights to decision regarding acceptance.
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THE ARCHITECTURAL ENGINEER

By THOMAS H. McKAIG

In re-reading some articles from my old files, I came across one published by my friend, Elwyn F. Seelye of New York in the Engineering News-Record of November 28, 1941, entitled "Brickwork as Seen by the Engineer." He points out the fallacy of accepting blindly the rule-of-thumb tables in most building codes for determining the thickness of masonry walls, particularly with reference to wall-bearing buildings. If you have access to this article, read it; and if you have already read it, read it again. It may prevent some embarrassing and unsightly cracks in one of your jobs.

I recently had in my office a set of plans for a two story school job which, had it been built as shown on the plans, would certainly have given the architect's reputation, and probably the engineer's and the contractor's, a black eye. The windows were the usual type of wide school windows with piers about 10 feet wide between the groups. Into each of these piers was framed one or more chases for downspouts, heat risers, etc. The chases were eight inches deep into a twelve inch wall. In some places a chase began about eight inches from the end of the window opening. At two points the edge of the chase was flush with the inside face of the wall. When I pointed out to the architect the certainty that unsightly cracks would result, he agreed to make the pier adjacent to the window of solid brick instead of brick and tile. I know he is still of the opinion that I am simply bull-headed about the matter in insisting that these chases be taken completely out of the walls. I tried to point out, aside from any danger of collapse, that Hooke's law in the old high school physics book had never been repealed; that within the elastic limit of a material, the stress is proportional to the strain. Applied to the point in question, this means that, with the same loading applied outside of a deep chase with eight inches of pier on one side and forty inches of pier on the other side, the eight inch pier will be shortened five times as much as the forty inch pier under the compressive load on the pier. Even if this represents less than one eighth on an inch,—and this can easily be the extent of the differential foreshortening of the two piers,—masonry facing and plaster cannot take this strain without cracking. And what happens under temperature changes where the end wall meets the side wall with only four inches of face brick to resist this expansion and contraction?

Mr. Seelye's article among other things pointed out the necessity of investigating arch thrust if arches are used. Usually arches are not used, but occasionally in a church or other monumental structure, an arch may be required by the architectural treatment. This is what happened in one structure which I was called upon to inspect a few years ago: The thrust of a stone arch against tubular buttresses caused the front face of the buttresses to open up cracks which would not stay pointed up.

Wall cracks I have seen add up to this statement—you cannot accept any rule-of-thumb method of proportioning wall thickness without analyzing the wall stresses in a common sense manner.
IN MEMORIAM

MELVIN L. KING

Melvin L. King, 77, of 113 Concord Pl., a practicing architect in Syracuse for 40 years and designer of many well-known buildings in Central New York, died early in August from complications arising from pneumonia.

He was a senior member in the firm of Melvin L., Harry A. & F. Curtis King and also chairman of the Syracuse Grade Crossing Commission, a director of the Lincoln National Bank & Trust Co., director of the YWCA, and a trustee of the Syracuse Savings Bank.

Mr. King began his architectural studies in 1885 in the office of James H. Kirby, Syracuse architect and former University of Pennsylvania professor. Three years later he became employed in the office of Archimedes Russell, who took in Mr. King as a partner in 1926, the firm name becoming Russell & King.

With the death of Mr. Russell in 1915, Mr. King practiced under his own name until 1932 when his son, Henry A., became his partner. In 1945, a nephew, F. Curtis King, was admitted as a partner.

Early in his career, Mr. King designed the Onondaga County courthouse and Central and North High Schools. During the 17 years he practiced alone, Mr. King was architect for the Hills Building, alterations to the Syracuse Savings Bank, several branches of the First Trust & Deposit Co., and the Syracuse Trust Co.

He was associate architect for the Central New York Power Corporation's office building and allied structures and he designed the Franklin, VanDyck and Huntington Schools in Syracuse, the Solvay High School and other public and private buildings throughout Central New York.

In the period his son was associated with him, Mr. King designed many schools and housing projects, as well as branches of Coca-Cola and General Ice Cream Corporation throughout New York State. The firm also did work on the famous Rhoads General Hospital in Utica.

Recently the firm was named associate architect for the expansion of Syracuse University, veterans housing at Mattydale army air base, enlargement of St. Joseph hospital, where Mr. King died, and construction of state mental hygiene buildings.

CHARLES S. KEEF

CHARLES S. KEEFE of Kingston died July 19 in the Bennington, Vt., hospital from injuries sustained in a fall the previous day. Mr. Keefe, who was 69, had been working on a client's house in New Hampshire during the day. Returning that evening to Manchester Center, Vt., he fell and sustained extensive skull injuries. He was taken to the Bennington hospital, where he died the next morning.

Mr. Keefe was known chiefly for his unusual work on small houses and restoring Colonial houses. Mr. Keefe won numerous prizes and awards for his creations. Perhaps the best-known awards were those he received in 1931 and 1933 "for the greatest improvements to small houses east of the Mississippi." Struck by Gutzon Borglum, the medals were awarded to him by an A.I.A. jury and presented by Ray Lyman Wilbur, then secretary of the interior under President Hoover.

Mr. Keefe was author of "The American House," a volume used as a textbook by architects, now being published in its second edition. He also was editor of the revised edition of the six-volume work: "The Georgian Period." He wrote numerous articles on various architectural subjects, including early styles of American architecture.


Two of Mr. Keefe's best-known houses were the one-story Colonial house of E. Hope Norton in Darien and the 11/2-story Colonial of John J. Farrell, in Darien, known as the Connecticut Yankee house.

Mr. Keefe was educated in the Kingston schools. He studied architecture with Andrew Mason of Kingston. He was working there when the Spanish-American war broke out and enlisted in Company M, New York Volunteers. After being mustered out, he worked in several architects' offices and spent a year studying abroad.

On returning to the United States, he formed a partnership with Alfred Hopkins, working on all classes of buildings including the Westchester County penitentiary, New York prison and court house, Adirondack Trust Co. in Saratoga, the Alpha Delta Phi house in Ithaca and many schools, theaters, hotels and farm buildings.

The partnership with Mr. Hopkins was dissolved in 1920 and he practiced under his own name at 247 Park Ave. and 40 East 49th St., New York. In these two offices he designed houses in Connecticut, Ohio, Iowa, New York, New Jersey, Pennsylvania, Vermont, Massachusetts, Virginia, Maine, New Hampshire, Indiana, Oregon, Washington, California, Michigan, and in several places in South America.
WHY we do not wonder at the slowness of industrial reconversion, and when we contemplate the difficulties were having assembling information from many of our constituent organizations, we do not wonder that many a product is held up by the lack of many important sub-assemblies. It would seem a simple thing for someone in each chapter or society, or society-chapter, to send us a review of happenings, but maybe we don't understand the complexities of big business. We even had hopes that someone would make us up an architectural comic strip; there certainly is enough material for one in most anybody's office, but we will settle for just news.

NEW YORK SOCIETY

A tribute to George F. Caviezel, your friend and mine, with thanks to Ralph Waldo Emerson, who wrote the following about a friend of his:

"A friend is a person with whom I may be sincere. Before him I may think aloud. I am arrived at last in the presence of a man so real and equal that I may drop even those most undermost garments of dissimulation, courtesy, and second thought, which men never put off, and may deal with him with the simplicity and wholeness with which one chemical atom meets another."

Let no man undertake any great or important housing undertaking without first invoking the aid of George up at FHA.

To our borough superintendents: Congratulations to Arthur Besline, Edith Crowson, Joe Herman, Ed Kelleher and Ben Salzman on their appointments as borough superintendents in the Department of Housing and Buildings.

INFLATION AS IT AFFECTS PUBLIC WORKS: The New York Sun, in its April 27th issue, published an editorial titled "Inflation As It Affects Public Works." It speaks of the dollar bill which, since 1941, has shrunk for the consumer buying a car or shirt (when he can get one) and has also shrunk for the city building a highway, tunnel, or sewage system. Along came Robert Moses with a report to Mayor O'Dwyer, the Planning Commissioner, and the City Council, calling for revision of the capital budget for city improvements. He said that his figures on costs were based upon the assumption that the average prices in the next five years will be approximately 30 per cent above the levels of 1939-1940. New York City's huge program of public works was planned several years ago. Estimates made then on costs of individual projects now require drastic changes.

The architects costs have risen 100 per cent. How about doing something for the architect whose fees were based on 1939 prices?

ALBANY CHAPTER

Sarkis M. Arkell, secretary and ESA correspondent, tells us that after four years of quasi-activity because of the war, the Albany chapter pulled itself together at the beginning of this year and endeavored to resume activities. He reports:

"The officers who had done excellent work before the war and carried on during the subsequent difficult months were Ralph E. Winslow, president; J. Russell White, vice-president; and Giles Y. van der Bogert, secretary-treasurer. They have been succeeded by August Lux, president; Norman R. Sturgis, vice-president, and Sarkis M. Arkell, secretary-treasurer, for the current year.

"Since its reorganization, eight new corporate members have joined the chapter, and a good number of associates have, or will have, joined before the end of the year.

"Of course, at the end of the four-year period, certain casualties were suffered because of change of practice, residence or heart.

"As a transition year, 1946 could be regarded as quite a successful one for this chapter. Meetings were held oftener and more interest was shown in the discussions and talks. In another year, this small and geographically dispersed chapter should spread its roots deeper, overcome the tiny germs of apathy now almost extinct and blossom into a healthy and beautiful plant, ready to bear fruit.

"The state convention should be further inspiration to this chapter. Consequently, we are looking forward to going to Buffalo and, while all the three delegates may not be there, at least one or two will be, and the entire membership of the Albany chapter will be there in spirit."

CENTRAL NEW YORK CHAPTER

It was a pleasure to attend the Summer meeting of this organization at Cornell University on Saturday, June 29. The chapter was told to prepare for 1947, it received 50 acceptance cards, and had to set places for 50. This sets some sort of record. The attendance was a tribute to the drawing power of our national president, J. R. Edmunds, Jr., whose stirring talk on the need for architectural leadership in the coordination of the construction industry left everyone charged with the urge to do something about it—just what depends on the conditions in each architect's own bailiwick.

(Mr. Edmunds' address is printed in this issue. Ed.)

After the meeting, chapter members went over to the College of Architecture and saw an exhibit of some of the work of the early students, now famous architects. This year the architectural school celebrates its 75th anniversary.

Reports of the delegates to the Miami convention and the secretary's report of having 116 members in the chapter were presented, and Professor George Young, who is retiring as professor emeritus after 37 years on the Cornell faculty received a great ovation. Santiago Agurto, an architect from Lima, Peru, now pursuing advanced studies at Cornell, was a guest.

The College of Architecture at Cornell is crowded beyond its capacity, as we suppose most colleges are at this time, but it does seem that our colleges must recognize that their architectural departments should be enlarged because of the increased demand from our young men for this kind of an education, and because of the increasing need for architects in the rebuilding of the world. Out of 600 recent applications, for the architectural course, Cornell was able to accept only 20. This points to the need for practicing architects to work out some method of apprentice training.

Mr. Edmunds, in introducing the subject of architectural leadership in coordinating the building industry, told the story of the boy who was running for a street car and pulled up in chagrin when he realized that he had missed it. A bystander remarked:

"Too bad, bub; you didn't run fast enough."

"I ran fast enough; I just didn't start soon enough," the boy said.

One third of the class of 1947 was present that day at Ithaca: Messrs. Bagg, Newkirk, Tillman and Montillon.

LONG ISLAND SOCIETY CHAPTER

Walter D. Spelman, president, writes:

"The chapter will resume its monthly dinner meetings on the first Thursday in September and thereafter the meetings will be held on the first Thursday of every month. The meetings have been held at the Lincoln Inn, Rockville Centre, and, because of the good food and refreshments, they are very well attended. All architects are cordially invited.

"We have started an education campaign to acquaint the various town and village building departments, and the public, with the New York State Education Law requiring plans to be prepared by registered architects. Inspectors and clerks in 64 building departments in this vicinity have been asked to post placards containing the following message: Notice: All plans filed in this department for buildings or structures exceeding $10,000 in cost or containing more than 10,000 cubic feet, or alterations of buildings requiring changes affecting structural safety, must be stamped with the seal of a registered architect or a licensed professional engineer of New York State. Article 56, Section 1476, N.Y. State Education Law, 1945."

"A committee is now engaged in designing a portable display for architectural work done by the various members. We hope to show this display in the various libraries, banks and other institutions in nearby villages."

EMPIRE STATE ARCHITECT

By CYRIL T. TUCKER
ROCHESTER SOCIETY

About 35 members of the society were guests of H. H. Sullivan at his summer home on Canandaigua Lake on August 14th. Some went swimming, sailing, or out in "Sully's" speed boat. Badminton and croquet brought out warm intra-mural contests. But the meeting of old friends in such an atmosphere of hospitality, in such beautiful weather and setting, made the occasion one to be remembered. Irving Horsey came all the way from Miami, Fla., to be present. The dinner was sumptuous, and the singing afterwards abominable despite Roland Yaeger's efforts to keep the boys on key.

Bob McGraw was much exercised about the doggerel which pilloried him in the last E.S.A.

Leo Waasdorp was unable to attend because of a bad cold, and Bill Kaebber reneged because of a bad burn on the legs he received when out fishing. He stepped against a red hot exhaust pipe. Why doesn't someone tell him he just can't do those things?

Reports are that Harold Ahnfeldt has gone to California for good, and that Harwood Dryer is spending a vacation there.

John Wenrich tells us he has reserved the large exhibit hall at the Rochester Public Library for the month of February for architectural exhibits. The material he gets together for the convention in Buffalo will undoubtedly form a nucleus. The Rochester Society will attend the convention in force. Why shouldn't they, its only 70 miles away?

QUEENS CHAPTER

M. Martin Elkind, correspondent for the regal Queens Chapter, writes:

"On June 13th, last, the Queens chapter held a dinner meeting at the Franklin Hotel in Jamaica, Long Island, as has become the traditional custom for the last meeting before the summer recess. The guest of honor was the commissioner of housing and buildings, N. Thomas Saxl, and the feature of the evening was his address to the guests. It has become a conscious policy on the part of the chapter to take every opportunity for promoting direct contact between our members and key officials of the various agencies, both municipal and federal, with which the practitioner comes in contact. Thus, in an informal way, by an exchange of ideas, suggestions and often criticism, a great deal has been accomplished in eliminating some snags, alleviating some peeves and, in general, making some of the routine a little smoother for both the practitioner and the official.

"A matter that has been occupying the attention of the society for some time is the question of a satisfactory policy on fees for low-cost, mass-dwelling operations. This area has a great volume of this type of work and many of the chapter members are engaged in performing services for these operations. The matter is in the hands of a committee and it is hoped that a satisfactory schedule of minimum fees can be established at an early date."

BRONX CHAPTER

The June dinner of the Bronx chapter was celebrated at Mayer's Parkway restaurant on East 233rd St. Thanks to Bill Koch, chairman of the entertainment committee, who served as cupbearer to the gods, the gods drank long and deep. These dinners get better all the time. Matt Del Gaudio, in his usual dignified and perfect form, installed these officers: Sam Kessler, president; Sam Hertz, vice president; Leo Stillman, secretary, and Bill Shary, treasurer. Re-elected, they will serve another year. Speeches were made by Arthur Benline, Ed Kelleher, Joe Herman, John Briggs, Perry Coke Smith, Ray Irrera, and others.

NEW YORK CHAPTER

Arthur C. Holden, in this issue, reports on the program for unifying the profession in the metropolitan area.

MID-HUDSON VALLEY SOCIETY

Charles S. Keefe of Kingston died "in line of duty" July 19 in the Bennington, Vt., hospital. We bow in tribute to a comrade and great architect, and send our condolences to his family and associates. We hope the inspiration of his leadership will stimulate the remainder of the Mid-Hudson group to continue the united front of the profession.

(A biography of Mr. Keefe appears in this issue. Ed.)
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<th>City</th>
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<td>280 Milton Road, Rye</td>
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<td>Fairchild Aircraft, Hagerstown, Md.</td>
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<td>Avery Library, Columbia University</td>
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<td>48 Fifth Ave.</td>
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<td>Hardell, Arlington T.</td>
<td>1330 Candle Building, Atlanta, Ga.</td>
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<td>Harding, Carroll W.</td>
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<td>45 Rockefeller Plaza</td>
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WOLFE DEFEATS BUREAUCRATS

Ever a fighter for the interests of architects, G. Morton Wolfe of Buffalo this summer won a thumping victory over the Buffalo fire prevention bureau which had held up a remodeling permit for Lorenzo’s Restaurant, 692 Main St., Buffalo. As the ESA went to the printer’s, it appeared that Mr. Wolfe, with the aid of the municipal law department, had forced the bureau to back down and the city’s building division to issue a license to proceed with the job.

Briefly, here’s what happened:
On June 10, Mr. Wolfe filed plans with the building division. The division turned them over to the fire prevention bureau for review. The bureau recommended that a permit not be issued because the restaurant was not to be 100 per cent sprinklered. The bureau recommendation was followed and no permit was issued.

Late in July, Mr. Wolfe wrote to the public works commissioner, in whose jurisdiction the building division rests, that he would refuse to make the changes suggested by the bureau in order to get a permit. Mr. Wolfe said the sprinklering requirement was not written into the city’s building law, which he contended had been followed meticulously in the design of the new restaurant. Said Mr. Wolfe:

“In designing a building today, the architect cannot possibly know the thoughts of the fire prevention bureau and in consequence there has been much confusion during the past several months because of the activity of the bureau.

“I believe that granting authority to the bureau to use its judgment is unconstitutional.”

The public works commissioner referred the matter to the city’s legal department and the lawyers told the building division it should issue a license if all ordinances have been followed.

The matter rests there as of today, but it is certain the permit will be issued since legal opinions of this nature invariably are followed and since Mr. Wolfe, as he explained in his letter to the public works commissioner, has followed the ordinances.

STRIKES

One thousand workmen walked off the job on February 13, 1896. The job was the construction of the Ellicott Square Building. The men stayed off for four days and all of the grievances were settled in their favor. The grievances seem trivial to us now, but they were then as important to the strikers as the issues of today seem to today’s workers.

The 1896 issues were:

1. The union wanted their walking delegate to be able to enter the premises and talk to the workers during their half-hour lunch period. This was granted.

2. Iron workers’ helpers, who received $ .15 per hour, were being used to help the mechanics. Mechanics’ helpers at that time were paid $ .25 per hour. The iron workers insisted that their helpers when working as mechanics’ helpers should receive $ .25 an hour. This was granted.

3. Quite an amazing item—the electrical workers wanted to be paid regularly. They had not been paid for 11 weeks. They were paid for these 11 weeks and were promised that they would be paid each week from then on.

So you see, strikes always were a problem and probably always will be in a free enterprise or any type of system.

Interestingly enough, in 1905 on the same building the elevator operators walked out. They were striking for an increase in wages of $5 per month—from $35 per month to $40 per month.

BUFFALO ARCHITECTS HAD VISION

In an 1899 Buffalo paper there were printed several sketches showing the development of a proposed park to occupy the entire block between the Post Office Building and the Ellicott Square Building. These sketches were quite attractive, and the park at this point would have been a great improvement as an inspection of the site today will disclose.

Architects should use their influence to the utmost in seeing that worthwhile projects are accomplished, not allowed to die.

BUILDING NEWS

Quality Materials Company, 344 Delaware Avenue, Buffalo, New York has been appointed general distributor for The Johnson-March Corporation construction products for the middle west, northeastern and New England states.

Jomco products are sold through building supply dealers and constructing supply houses. The line includes specialized waterproofing compounds, concrete additives, and curing compounds.

Quality Materials Company will carry warehouse stocks in the various cities and will be in a position to make prompt deliveries.
Several years ago it was found necessary that an organization be formed as a contact between promotion, plans and the actual building construction. To fill this purpose, The Producers’ Council, Inc., was organized by a group of manufacturers of building materials and equipment. Its present membership is made up of leading manufacturers of all lines of building products. With this membership, the Council fills a vital need which no other organization can supply.

The Producers’ Council, Inc., promotes improvement in quality and performance of building materials. It strives for standardization of building products for the welfare of the construction industry. It is to the interest of these manufacturers, through competition and private enterprise, to maintain a high level of construction. To this end, The Producers’ Council, Inc., acts as a manufacturer’s spokesman for the construction industry. To develop local action, the national organization has chartered chapters in twenty-six of the leading cities throughout the United States. On November 6th, 1945, the Buffalo chapter received its charter. This was the initial meeting of a local group of men, leaders in their respective fields, who are striving to weld the Chapter into an active and progressive influence in the Niagara Frontier building industry. Meetings of both educational and social programs with allied building groups as guests are promoted. A complete series of programs has been planned for the current year.

The National Organization is active in Governmental problems such as the National Housing Emergency and Subsidies, and is taking a prominent part in bringing the problems before the public. The Producers’ Council maintains a Market Analysis and Development Division, as well as a Technical Division. Through these divisions, it has been instrumental in standardizing details and methods used in construction, and has been promoting modular coordination on which joint meeting with the A. I. A. was held in Buffalo this Spring.

Through the Buffalo chapter, the National Organization of the Producers’ Council, Inc., and our associated chapters welcome the architects of New York State to Buffalo for their convention. We are proud of the small part that we have had through our affiliation with the American Institute of Architects in raising building standards.
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Now, I realize that there is nothing easy about these proposals. There is a tremendous amount of work involved, and no small amount of financing will be needed from various sources. But I also know that the effort and expense will be well worthwhile.

If anyone doubts that, let him consider the amount and the scope of the building we will be doing in the next 20 years. I have some estimates which will interest you. Between now and 1966—a 20 year period—we can expect to do from $200 billion to $300 billion worth of building, at present-day prices. The $300 billion would be at the rate of $15 billion annually, which is the amount required if we are to have the virtually full employment we all hope for, from now on. The $200 billion figure would mean an average of $10 billion a year, or merely two-thirds of our annual potential.

Think what we could do with an expenditure of $300 billion for construction alone in 20 years! We could come pretty close to rebuilding the obsolete and objectionable and poorly-planned portion of our physical plant. If you question that, let me remind you that the present-day valuation of all of those things which we commonly call construction is only about $200 billion. Yet we can reasonably hope to spend that much, and maybe half again as much more, in the next 20 years alone. Indeed, we will have to spend that much if we are to avoid excessive unemployment.

Whether we spend $200 or $300 billion, that expenditure will be sufficient to make tremendous changes and improvements in this country of ours. But it will not necessarily bring better or healthier communities. That depends on how well we plan in advance of the spending. If there is no more intelligent planning than there has been in the past, we will get all too little for our money. But if we appreciate what we can get for the huge sum of money which is to be spent, we can work miracles.

The question before us is: Who is going to do the planning and direct the expenditures? That is up to all of us who make up the construction industry, unless we leave the responsibility and the opportunity to the Government.

It is my private conviction that men of the design professions who collectively planned and built and made possible such structures as the Empire State Building, Boulder Dam, the Pentagon, the broadly-conceived, fine housing developments of recent years have the initiative and the ingenuity to make and carry out the plans we need. And the time to start is now.
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Comments from many architects show interest in modular co-ordination but at the same time indicate confusion concerning availability of modular products.

Modular co-ordination must necessarily be evolutionary, not revolutionary. The first important conversion was by members of the Metal Window Institute in the fall of 1945 when they announced modular sizes of solid section steel windows of all types except residential casements.

Soon following, the members of the National Concrete Masonry Association adopted modular sizes for concrete masonry units and it is estimated that better than half of that industry has converted since then.

Modular standards for Ponderosa-pine double-hung windows have been developed through the National Door Manufacturers Association and now are generally used. Brick and tile producers have started their conversion to modular sizes, particularly in California, Texas, the southeastern states, Iowa-Minnesota, Pennsylvania and Ohio.

While no conversion timing program has been announced formally by the National Structural Clay Products Institute, that group has pioneered in advertising and promoting modular masonry. A pace for timing of national conversion may have been set by the Ohio Brick & Tile Institute which plans to have certain modular sizes generally available by Jan. 1, 1947. Many brick and tile manufacturers are now in the process of changing to the new sizes.

Many products normally conform to 4" modular design. Glass block has always been suited for 4" modular layouts. There is also the combination of 16" spaced wood framing members with 4' lath or wall board attached to the inside, or 4' sheathing board on the outside, and the National Mineral Wool Association standard 15' roll or batt blanket insulations fitted between the framing members. Another example is acoustical tile and fluorescent lighting troffer ceiling systems which are based on 12 x 12" squares and various multiple combinations. Numerous systems of prefabricated house parts have developed on units that are multiples of the 4" module and permit good dimensional coordination with modular windows, doors and other parts common with conventional building systems. Outstanding for its 4" modular pioneering and perfection is the precision-built house developed under the direction of F. Vaux Wilson of the Homosote Company.

The building industry is ready for modular coordination. Architects who want the answers on modular conversion timing can assist greatly in firming up a program to attain a modular heaven by '47 if they will make that desire known to all material representatives that call on them.

The Lorimer film on modular co-ordination is being shown in such faraway places as Hawaii and Australia. Here are some notes on the Australia showing:

During a recent visit to the United States, Capt. C. D. T. Butler, who has made an extensive study of brick and tile production, both in the United States and England, on behalf of the brick manufacturers of Melbourne, Australia, purchased a copy of the Lorimer slide film which he is taking to Australia as an aid in encouraging the adoption of dimensional co-ordination by the construction industry of Australia.

**REPORT OF ARCHITECTURAL EXHIBIT COMMITTEE**

One of the first duties of this committee being the formulation of the exhibition requirements, these were tentatively set up and published in the July-August "Empire State Architect." Besides the exhibit of work of all types of buildings completed or contemplated during the past ten years, a special exhibit of small houses, built since 1936, with an award of $75 to the Architect of the house judged best was included.

The following members of constituent organizations have been designated as chairmen of the exhibition in their respective localities:

- **Mr. Cyril T. Tucker** — Central N. Y. Chapter A. I. A.
- **Mr. Albert G. Clay** — New York Chapter A. I. A.
- **Mr. Henry V. Murphy** — Brooklyn Chapter A. I. A.
- **Mr. John C. Wenrich** — Rochester Society of Architects
- **Mr. William Craine** — Syracuse Society of Architects

The following Convention Committee chairmen have been contacted for their respective communities:

- **Mr. Simeon Heller** — Queens Chapter A. I. A.
- **Mr. Norman Sturgis** — Albany Chapter A. I. A.
- **Mr. Walter D. Spelman** — Long Island Society Chapter A. I. A.

Mr. Melvin E. Kessler — Bronx Chapter A. I. A.
Mr. Maxwell A. Cantor — Brooklyn Society of Architects
Mr. Sidney Strauss — New York Society of Architects

The following jury has been selected to judge the Small House Award on Friday, October 11th — Prof. Lemuel C. Dillenback, Syracuse; Mr. William G. Kaelber, Rochester; Prof. F. M. Wells, Cornell.

Detailed information concerning the exhibits has been sent to the representative of each constituent organization, and articles have been prepared for the September number of the "Empire State Architect," the "Oculus" (New York) and the "Bulletin" (Buffalo).

The following committee has been appointed locally to aid in handling and hanging the exhibits, together with assisting in the local publicity:


Exhibition Requirements and copy of article for publication are enclosed.

**EMPIRE STATE ARCHITECT**
PREVIEWS of
BUFFALO CONSTRUCTION

- A MODERN FUNCTIONAL HOME
  ARCHITECT - SEBASTIAN TAURIELLO
  A glimpse at a fully constructed Model of the Functional House with many of the latest innovations of Construction, Solar Heating, Radiant Heating, Double Fenestration, Streamlined Workrooms, etc.

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- THE HINDE & DAUCH PAPER CO.
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  Nearly two acres of Modern Factory and Office Buildings integrated from seven hundred tons of steel, three thousand yards of concrete, over one-half million bricks, and hundreds of other units of construction materials.

- WESTINGHOUSE ELECTRIC CORPORATION
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- BUFFALO MERCHANDISE WAREHOUSES, INC.
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In a building equipped with Personalized Heating Control, every tenant is able to select just the temperature desired. Each family is independent of the heat preferences of other occupants. Overheating, with resultant waste of fuel, is eliminated. These are truly remarkable features — entirely unknown just a few years ago. Yet sales records demonstrate that when you specify Personalized Heating Control, property owners and managers recognize quickly the advantages of easier rentability and heating economy.

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A few years ago Mechanical Refrigeration in apartments was unheard of. Now it is essential. M-H Personalized Control is just as essential in the modern apartment building. The time to give full consideration to Personalized Apartment Heating is when the building is in the planning stage.

COMPLETE INFORMATION

Get complete information and engineering data about M-H Personalized Heating Control for new and existing apartment buildings. A postcard or telephone call will bring detailed facts promptly, with no obligation.

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Rochester 4, New York  Syracuse 2, New York
16 State Street  121 West Onandaga Street
"Garden" Kitchen . . . another "New Freedom Gas Kitchen" design . . . with every work-saving feature you've ever wanted. (Even a special ventilating system to keep it cool, clean, free from unwanted cooking odors!) Use it to help plan your own modern Gas kitchen. And join the nation-wide swing to Gas—for cooking, refrigeration, water heating, house-heating and air-conditioning—today!

Put 'em together for a new kind of Freedom!

**NEW FREEDOM FROM "POT-WASHING"...**
on the newest, grandest, Gas range you ever saw . . . with an automatic clock control that goes on and off by itself . . . does a complete meal to perfection when you're miles away! And that's just the beginning. A smokeless, quick-searing broiler turns out the juiciest steaks ever . . . flame-roasts whole chickens to melting tenderness. Even vegetables taste better and are better for you thanks to the speed and flexibility that only Gas top-burners can give. Yet a new automatic Gas range built to "CP" standards is just one of the wonders in your "New Freedom Gas Kitchen"!

**NEW FREEDOM FROM "TEPID WATER TROUBLES"...** just turn the tap and your new automatic Gas water-heater gives you hot water galore. Even replaces the supply fast enough for those marvelous (but hot-water-hungry) automatic dishwashers and laundries. All for a few cents a day!

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