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Case plumbing fixtures are distributed nationally. See your Classified Telephone Directory or write to W. A. Case & Son Mfg. Co., Buffalo 3, N. Y. Founded 1853.

**TOP LEFT**—Most popular of all water closets is the Case T/N. Modern in design, quiet in operation, non-overflow and non-siphoning. A precision-built free-standing fixture.

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Built in types for oil, gas, stoker and hand firing. Sizes to 42,500 sq. ft. steam (68,000 sq. ft. hot water) and rated in accordance with the new S.B.I. Code, with which it conforms in every particular.

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We are happy to greet you, Storrs. We are proud of your record in the Air Forces—from Captain in May of 1942 to Lieutenant-Colonel in 1945—and of your accomplishments overseas.

We are proud of your family's participation—your boy, Storrs, Jr., in the army, and your daughter, Valerie, in the WAVES.

Do take your time becoming re-acclimated, but try to give us the benefit of your experience and advice. We need it.

M. W. DEL GAUDIO

The Municipal Art Society

One of the oldest art organizations in the City of New York, the Municipal Art Society, which is celebrating its fifty-third anniversary this fall, has just elected the following officers for the coming year:

President................. Charles C. Piatt
Vice-President.............. Alfred Geiffert, Jr.
Secretary................ A. F. Brinckerhoff
Treasurer............... Fletcher Collins

The new president is a partner of the firm F. P. Platt & Bro., well-known architects and city planners, active in the affairs of New York City and members of the Mayor's panel of City Architects, presently designing public housing and other public works for the various City Departments. Mr. Platt is a member of the New York Building Congress and of the Citizens' Housing Council, a Co-Chairman of the Zoning Committee of the New York Real Estate Board, and a former Chairman of the Mayor's Committee on Property Improvement. He is a past Vice-President of the New York State Association of Architects and at present Co-Chairman of its Committee on Public Works, a past Secretary and Director of the New York Chapter of the American Institute of Architects, and a Director of the Architectural League.

The Municipal Art Society is the only Society in the City embracing all the arts, and its membership is made up of leaders in the field of architecture, sculpture, painting, music, drama, landscape architecture, and all kindred art vocations, as well as of lay members interested in advancement of the fine arts.

In its long history of over fifty years the Society has worked closely with the City Administrations and has to its credit many accomplishments of lasting value to the City and its citizens.

For the coming year it has a full program for the development, encouragement and advancement of all the arts throughout the City.
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For many years Hillyard Floor Treatment Materials have been specified by many of America's leading architects, approved by leading flooring manufacturers, and approved by flooring contractors as giving satisfaction both to themselves and their clients in uniformity, dependability and economy. Over a third of a century of research have developed products of merit, high quality and attractiveness that are in keeping with every program demanding the most value for each floor treatment dollar expended. In addition, Hillyard's national organization of Trained Floor Treatment Specialists are everywhere ready to co-operate in carrying out and supervising of specifications.

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PEACE

A CHALLENGE TO THE ARCHITECT

THE WAR IS OVER!

What does that mean to the architects? What responsibilities become ours? Let us first indulge in some retrospection.

The war has called upon us for great contributions. Members of our profession have been charged with great responsibilities.

With the Engineers, the Air Forces, the Chemical War Service, and the Transportation Corps and, yes, with the Infantry, Artillery and the Armored divisions, our architects have held places of great responsibility and have achieved splendid results.

In the Navy, with the Sea-Bees, on the ships of the line, and at advanced bases, our architects have performed outstanding feats.

With the Underwater Demolition Squad, the Amphibious brigades, and as Intelligence officers, our architects have been superb.

Many of our profession are now with the Military Government teams, contributing notably to the restoration of normal life in occupied countries.

So, our profession has made a definite contribution to the victory of our Country. It is helping relieve distress in a war-torn world. Some day we hope to point out the particular achievement of each of our men in the military service. It will make a splendid historic document.

WHAT IS NEXT?

We have definite responsibilities to our returning service men:

(a) To the architects, that they may take their places in the profession with a minimum of loss, and with no handicap because of their absence.

(b) To our draftsmen, that they may be employed at once and be given the opportunity to "catch on" to what has taken place.

(c) To the students who left for the war, that they may use the experience they have gained, and that they may not suffer any loss in time because of their service.

We have civic obligations also:

(a) To our Communities: The lessons learned by the architects entitles them to leadership in civic matters. The architects will take that leadership. Let us give of our best!

(b) To the State: It needs our service, our advice, our experience, and we are ready.

(c) To our Country: May we always be prepared to serve it and defend it!

A great job has been done. A greater job is before us. United in the service of God and country, we will attack the problems with characteristic enthusiasm and, united, we will solve them.

We are challenged to make our contributions in the cause of Peace. We accept the challenge, and with the help of God, we will show our fellow citizen that the architect stands ever ready to serve, as in war, so in Peace!

M. W. DEL GAUDIO,
President
Rehabilitating Buffalo’s Blighted Areas

Buffalo’s Committee of Architects, Engineers and Landscape Architects for Postwar Construction was organized by the Committee on Public Affairs of the Buffalo Chapter, American Institute of Architects, two representatives of the Buffalo Chapter, American Society of Heating and Ventilating Engineers, two from the Buffalo Chapter of the American Society of Civil Engineers and two of the Landscape Architects. The Committee has been meeting weekly for the last two years and in addition have spent long hours of arduous effort both as individuals and in groups in an attempt to awaken public sentiment to Buffalo’s needs in urban redevelopment, which was quickly determined upon as one of the principal postwar problems of the city.

The five areas shown herewith were chosen by the Erie County Postwar Housing Needs Survey Committee as being particularly in need of study. Each area was treated as a collaborative problem, the membership of the Committee being divided into teams of architects and mechanical and structural engineers, with a landscape architect for each team. All of the work to date has been a gratuitous effort of the committee.

A proposal is now before the City Council by which it is hoped that funds will be provided for the completion of the studies of one or more tracts, to a point where definite cost figures are obtainable.

Tract No. 1 is bounded by Jefferson Ave., William St., Fillmore Ave., and the New York Central Railroad and contains 140 acres. There are 1954 dwelling units, with a population of 7534 people, 3000 of whom are under twenty years of age.

**PRESENT LAND USES**

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Acres</th>
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<tbody>
<tr>
<td>Residential</td>
<td>56</td>
</tr>
<tr>
<td>Mixed</td>
<td>10</td>
</tr>
<tr>
<td>Business</td>
<td>3</td>
</tr>
<tr>
<td>Schools</td>
<td>4</td>
</tr>
<tr>
<td>Parks</td>
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</tr>
<tr>
<td>Vacant</td>
<td>7</td>
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<tr>
<td>Streets</td>
<td>40</td>
</tr>
<tr>
<td>Industry</td>
<td>20</td>
</tr>
</tbody>
</table>

**CITY OF BUFFALO, N.Y.**

**PRELIMINARY REDEVELOPMENT PLAN**

FOR TRACT 1

**COMMITTEE OF ARCHITECTS, ENGINEERS & LANDSCAPE ARCHITECTS FOR POST WAR CONSTRUCTION**
CITY OF BUFFALO, N.Y.
PRELIMINARY REDEVELOPMENT PLAN
FOR TRACT 2-A
COMMITTEE OF ARCHITECTS, ENGINEERS &
LANDSCAPE ARCHITECTS FOR
POST WAR CONSTRUCTION .

- LEGEND -

Tract II-A

This tract contains 239 acres, has a present population of 7,000. There are 1879 structures with 3660 dwelling units. Present land coverage is 15.3 dwelling units per acre. Average population per acre is 71 or 4.64 persons per dwelling unit. The tract now has 8 acres of parks and playgrounds. 3% of total area, principally in conjunction with Technical High school. The present street area is 55.1/2 acres or 23% of the entire tract.

The suggested layout attempts to make this area a complete community with no through traffic. Entrance to the community is confined to two points on each side, with a large park and school area in the center easily accessible from all sections. This park and playground area contains 33 acres or 14% of the tract area, four times the present. Off-street parking is provided for all dwelling units. No building is proposed on the right of way of present streets which are closed. Revised street area is 41 acres-17% of the total, a reduction of 26%. Dwelling units are largely of the row type in various groupings, intermingled with single dwelling units; all having their own lots, street frontage, lawns and gardens. Two and three-story multiple dwellings are grouped around the park, and on the surrounding arterial streets. Three commercial areas or shopping centers are located at three corners of the tract, the fourth corner providing access to the proposed throughway.
Tract II-B

Present Conditions

Population ........................................42,136
Number of families ..................................12,825
Total area .............................................720.8 acres
Rent average ........................................$19.00 month
Average persons per family .........................3.3
Park area almost negligible
Business area greatly excessive
Street pattern wasteful of land, dangerous to pedestrians, inefficient for thoroughfare.

Proposed Land Use

Business and public buildings at about
2.25 acres per M population .......................72
Industrial, including green belts ..................19

Streets (right of way) .........................146.9
Schools and churches ................................9.3
Parks and playgrounds ...............................96.7
Residential—multi family 169 acres one and two
family 207.9 acres .................................376.9

Proposed Population

families
Multi family @ 1400 sq. ft. per family ...........5300
One and two family @ 2000 sq. ft. per family ...4500
Total .................................................9800

Population @ 3.3 per family 32,400
Families per net acre including parks and playgrounds
20.7
Parks and playgrounds per M population 3 acres.
Streets discontinued ............... 30,850 lin. ft.
Streets added ....................... 13,250 lin. ft.
Net saving .......................... 17,600 lin. ft. 3.3 miles

Emphasis has been placed on the following:

1. Provision of parks and playgrounds totaling approximately 3 acres per thousand population, the parks to be extended through the neighborhood so as to make them readily accessible to all residents while at the same time keeping them in large tracts to facilitate maintenance and control.

2. Reducing the amount of land used for business to approximately 2 1/4 acres per 1000 of population.

3. Effective restudy of street pattern to reduce street area (saving about 3.3 miles of street), eliminate through crossings on main thoroughfares so far as possible, provide parking (on new parking streets parallel to main traffic arteries and in existing stub-ends of discontinued streets), eliminate through traffic through the center of neighborhoods, provide easy access from homes to schools with a minimum of street crossing, while at the same time utilizing the existing pavement to the greatest practicable extent.

4. Screening of industry with green belts.

5. Apartments placed around park areas give the direct benefits of the park to the greatest number of people and around the perimeter of neighborhoods in order to uphold property values.

Principal problem is how to house present population in the same neighborhood without sacrificing ideal density standards. Average density in studies presented is 20.7 families per net acre including parks and playgrounds, allows resettlement in area of 77% of present population.
Tract C

This area is the only one chosen for a rehabilitation program, as contrasted with the redevelopment areas in which there will be a large amount of reconstruction. The neighborhood is well-known to Buffalonians. For years it has had one of the highest percentages of owner-occupied dwellings, very well maintained. During the years many changes have come about, some so gradual as not to be felt, until today there are 4287 dwelling units in 2484 structures. Of these there are 464 dwelling units without private baths. Ninety per cent of the units were built prior to 1900. Present north and south streets are long, with through traffic creating many hazards for adult and child alike. Carlton, High and Virginia cut through the neighborhood in an easterly and westerly direction.

The rehabilitation proposes the creation of neighborhood identity by closing Carlton Street and each of the north and south streets. Off-street parking is provided for most of the autos. Playground and park facilities are suggested in the block around School 37. Some row or multiple dwellings are proposed at Michigan and Cherry and between Cherry and Genesee Streets. The entire program of revised street pattern, rehabilitation of existing structures, creation of the park and playground and new construction requires the joint efforts to be obtained under the Urban Redevelopment Corporation Laws.
We're not fooling when we say that in a way our new plant is "your present to us." Your ever-increasing use of CONCRETE MASONRY UNITS, PRECAST "FLEXICORE" FLOOR and ROOF SLABS and other concrete products has made possible this expansion of our production facilities.

This new plant is planned to help us serve you better. We will have three times our present capacity for producing "FLEXICORE" and CONCRETE MASONRY UNITS. It will utilize the latest innovations in High Temperature Steam Curing. We will have room for developing and producing several new concrete products that you'll hear more about later.

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Almost twenty years ago, I designed foundations for a hospital where the subsoil left much to be desired. An old creek bed had been backfilled with ashes, clay and junk, and since rock was only about twenty feet below cellar bottom, I decided upon open caissons to rock as the best foundation. However, the bids exceeded the funds available, so in order to save about seven thousand dollars—much against my will—wood piles were substituted for the caissons.

For eight years the building behaved as any good building should behave. Then a block away from the building, a new sewer main was built in a rock cut about twenty or thirty feet deep. Several years later, about eleven or twelve years after the building was built, it began to settle. That thing we always dread about wood piles had happened. The permanent water table had been lowered by the new sewer about ten to fifteen feet, and the wood piles were decaying. A series of levels showed the total differential settlement to be as much as 3½ inches, and the rate of some points to be almost 3/4 inch per year.

After weighing the advantages and disadvantages of a number of methods—talking to everybody I thought might have any worthwhile idea—and driving the hospital board nearly crazy waiting for us to do something, we finally decided on an underpinning scheme which with the assistance of one of the nationally-known foundation companies, we have not only for trained men but for men willing to learn.

The scheme consists of core drilling thru the present pile caps, a series of holes thirteen inches in diameter, using short drilling methods which leave the sides of the hole roughly corrugated. Then with a specially rigged low head pile driver mounted to an electric truck, we drive a ten inch steel pipe pile to rock. The pipe is capped at the bottom and driven in sections as long as may be handled in the head room available—in this case six to eight feet. Having driven the first section as far as possible, a second section is welded to it and driven—and so on till the pile is driven to refusal. The pile is filled to within 18 inches of the top with concrete and capped out, including the plug into the existing footing with a non-shrinking concrete made with an admixture of ironite. Each new pile is capable of carrying fifty tons. Tests on the bond between the corrugated face of the old concrete and the new ironite concrete show a factor of safety of more than ten.

All in all it has been a most interesting job altho of course, I would rather have had a good footing originally. Nobody's reputation ever gains thru a building failure, regardless of the cause. The $7,000 the trustees saved in 1927 has cost them $50,000 for the part they have fixed so far, with another section to come later. However, the moral of this story is not "I told you so" so much as it is "Certainly—it can be repaired."

Educational Program Inaugurated At Camp Upton

Randolph Evans Opens Talks

Unprecedented opportunities in the post-war building industry and its allied fields are beckoning to returning veterans, Randolph Evans, New York City architect, pointed out to convalescent servicemen at the Army Service Forces Convalescent Hospital in Camp Upton last month.

Mr. Evans, a member of the New York Chapter, The American Institute of Architects, was the first speaker in the educational training program undertaken by the Educational Committee of the Chapter in cooperation with the Educational Division of the Camp, designed to interest servicemen in the possibilities of the building industry as a field of postwar employment, to assist them in the planning of their homes and to encourage their participation in postwar public work development in their own communities.

He addressed four groups of veterans at morning and afternoon sessions attended by more than 2,000 men, with a considerable amount of time devoted to forum discussion and personal talks.

Emphasizing the fact that the small amount of private construction in the United States during the last five years and the noticeably restricted volume during the previous ten depression years had produced a 15-year backlog which would have to be made up, independent of newly-accumulating demand, Mr. Evans declared that the potential volume of work in the industry has raised it to a dominant place in America's economic structure.

"The biggest building year in our history was 1926 when somewhat less than 1,000,000 homes were built. From present indications, this figure will be surpassed by a substantial margin," he said. "As far as opportunities are concerned, we must bear in mind that they present themselves not only in the mechanical trades but also in the architectural, engineering and designing fields, in the building material and equipment classifications and in real estate and development lines. Literally, millions of jobs will be available not only for trained men but for men willing to learn."

Despite the fact that present-day home-building costs are from 25% to 33 1/3% above pre-war levels for small-house building due to higher labor and material costs, he expressed the belief that these increases might be offset by large-scale, mass building enterprises and technological advancements in the industry.

Endorsing the principle of home ownership as an incentive to good citizenship and participation in local community affairs, he cautioned the men to limit their buying activities to ability to meet carrying charges.

"If you buy or build a house, don't start with the maximum cost dwelling but with minimum cost," he advised. "You can always make additions or install improvements as your financial status improves. If you start off with an expensive house it is not so easy to make adjustments, and a basic purpose of home ownership is defeated if its owner is subjected to financial strain and worry."

Offering few outward evidences of a hospital, the former Army reception center at Camp Upton is now being devoted principally to the task of preparing veterans for the problems of civilian life. Its educational program is offering to servicemen, brought from both overseas and from American hospitals, the opportunity to obtain a working knowledge of a wide range of postwar careers.

Interested in the architectural and building phases of the program are Ralph Walker, Walter H. Kilham, Jr. and Cameron Clark, Chairman and Co-Chairmen, respectively, of the Education Committee of the New York Chapter of The American Institute of Architects. The Educational Division of Camp Upton is under the direction of Captain Joseph H. Van Schoick.

The New York Chapter provides the speakers and visiting instructors, who illustrate their talks with slides, illustrations or moving pictures, supplemented by actual exhibits of plans and types of building materials.
THIS is the Emory Roth apartment building in New York. It was built just before the war. And the architect saved as much as 7% in space—enough for 260 extra rooms. How? By using the Gold Bond 2" Solid Partition System with its special adjustable base which simplifies installation and speeds completion.

All component parts of this system are Gold Bond Metal Products, designed and precision-made for quick accurate assembly on the job. When finished with fireproof gypsum plaster, the resulting wall is extremely durable with a 1-hour fire rating. Besides saving space (2" thick as against the usual 4" to 6" wall), this system is crack-resistant and with a noise reduction factor of 39 decibels, it effectively cuts sound transmission from room to room.

The Gold Bond 2" Solid Partition System will be available again as soon as our metal lath plant is released from its present vital assignment of making metal landing mats for portable airfields. Full detailed drawings and specifications of this system are given in our section in the 1945 Sweet's, together with a description of the complete line of over 150 guaranteed Gold Bond Building Products.
Sorry, Mr. Architect

We regret that we are not in a position, at the moment, to supply all of your immediate requirements for FACE BRICK. Our industry suffers as a "War Casualty." However, labor conditions are improving slowly and we hope shortly to be ready and as usual, anxious to furnish you and your clients with the best and most durable Facing Material known to man—FACE BRICK.

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NOTE: The Editors regret that a photograph of Director, Louis Booth was not available.
WE USED HEAT TO GET

This photograph, of an experimental copper gutter being tested in the Revere Laboratory, was taken by light that was mostly heat. For the kind of light Revere was seeking in this research was information, knowledge, understanding—that we could pass on to you.

To get it, we had to bring the sun indoors, or at least its summer heat. Also sudden rainstorms, to create a temperature range of 160°. And put under them a typical sheet copper gutter such as a skilled worker might install on a building. Then we could see what happens when cold rain hits sun-baked copper, could measure any movement in the metal—could, in short, find out why sheet copper construction sometimes fails, even when materials, design and workmanship all appear virtually perfect.

From these and other Revere tests came the application to sheet metal construction of the basic but simple principle of columnar strength—from which we have worked out new data and methods that reduce this type of construction to a matter of engineering design.

These principles will be fully explained and illustrated in a new booklet to be made available. On request we will put your name on our list to receive a complimentary copy when issued. Write the Revere Executive Offices. Revere materials are handled by Revere distributors everywhere. For help in any difficult problems, call on the Revere Technical Advisory Service, Architectural.

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EMPIRE STATE ARCHITECT
Entrance and Elevator Lobby of 101 Park Avenue Modernized with Marble

ARCHITECTS BUILDING, 101 Park Avenue, New York City, as modernized with marble...Morris & O’Connor, Architects. Walls are of imported Aurisina—door trims of Napoleon Gray—base and border of Vermont Radiol Black

As a good example of how marble can be employed in the modernizing of building interiors, the remodeled entrance and elevator lobby of the Architects Building, 101 Park Avenue is worthy of note.

Though these elements of the building were originally well designed according to the trends at the time of construction, the glass elevator doors, the ornamental metal frames, and the ornate elevator needles had become outdated.

The illustration, after remodeling, shows the effectiveness of the new, simplified treatment, executed in contrasting marbles. The entrance and elevator lobby now portray the best in modern design.

Marble was chosen as the major material for this alteration because, to quote a prominent architect, "The beauty of marble is unquestioned, and by reason of its permanence and low maintenance cost, it is also economical."

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Dailey, D. A.  c/o 95 Canterbury Rd., Rochester
Damuth, Clarence A.  566 Genesee St., Rochester
Day, Frank H.  250 Market St., W Henrietta
Defonds, Adery V.  c/o Pete Jordan, Richfield Springs
Dryer, Harwood B.  2550 East Ave., Rochester
Eldridge, Chas. W.  156 Cypress St., Rochester
Ernst, Lester  9 Church St., Victor
Esphau, Paul  Canusa Lake, Geneseo
Estes, John J.  31 Church St., Scottsville
Fairbanks, Clifford S.  2200 Titus Ave., Rochester
Fisher, Donald Q.  138 So. Fitzhugh St., Rochester
Fenner, Walter  85 Cherry St., Rochester
Flyn, Joseph P.  154 East Ave., Rochester
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Fuehrer, William J.  205 Clifford Ave., Rochester
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The value of thorough cooperation with the architect is evident in the smoothly working plans of the Bloomfield School library. Furnished in honey maple, with matching shelving, this room gains much from soft gray-green walls and linoleum-covered floor.
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<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Elton, Herbert Charles</td>
<td>1188 Main St., Bridgeport, Conn.</td>
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<td>41 Union Square, New York</td>
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<td>Firestone, S.</td>
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<td>Hacker, Ralph E.</td>
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<td>18-01 147th St., Whitestone, L. I.</td>
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<td>Siehman, W. L.</td>
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<td>Siglou, Louis</td>
<td>Glenwood Gardens, Yonkers</td>
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<td>Towner, Wm. T.</td>
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<td>Veazie, George S.</td>
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<td>Wallach, J. B.</td>
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<td>Wirsching, L. Jr.</td>
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