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NAME ..................................................
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THE last of the three main structures that made up the U. N. permanent Headquarters—the General Assembly building—is now completed and was ready for the opening of the seventh session of the Assembly when it convened, on October 14. As this picture shows, the General Assembly building occupies the most prominent part of the site area and is the focal point of the Headquarters' composition. Its low, sweeping lines stand in sharp contrast to the 39-story skyscraper Secretariat building to which it is connected by the Conference area. The northern facade of the building (foreground) is made of translucent glass set between marble columns. The concave side walls are faced with English limestone, with panels and trimmings in marble matching the narrow ends of the Secretariat building.
The world has forgotten the name of Cheops' architect, but his pyramid still stands. Few outside his own profession have ever heard of Wallace K. Harrison, one of the pyramid builders of today. But in the past 30 years, Architect Harrison has directed the construction of $700 million worth of modern wonders. Four months ago Wallace Harrison was putting the finishing touches to his latest group of landmarks: the new U. N. buildings, on which, as boss architect, Harrison has spent five years and $67.5 million.

In place of the East side tenements and slaughter houses stands the shimmering glass and marble slab of the Secretariat, towering 39 stories above the East River. Along its base crouches a long (400 feet) flat (five stories) Conference Building for the U. N.'s numberless councils and committees. Besides the thousands of offices, Harrison's designers and engineers have provided restaurants, meeting rooms, lounges and underground parking space for 1,500 cars.

Architecturally, all that remains to be done is to complete the interior of the General Assembly Building, key stone of the entire group. Like the Conference Building, it is long and low. But where the Conference Building is rectangular, the Assembly is sweepingly curved and capped with a wide dome. One end is a clear plate glass, the other a cliff of marble and translucent glass strips. A long ramp leads up to the 2,170-seat Assembly Hall. Along the walls are banks of translators' booths set in strips of gilded South American mahogany. Two vivid, swirling murals by France's Fernand Leger flank the hall, and over the podium will shine rows of plaques bearing the seals of the 60 United Nations.
The Permanent Home of the United Nations

The new permanent home of the United Nations occupies eighteen acres of ground in the heart of New York City. The four buildings that compose this area are bordered on the east by the busy East River, and on the other three sides by the apartment buildings, noise and bustle that help make up this large city. John D. Rockefeller contributed a gift of $8,500,000 to buy the East River site. New York acquired and gave to the U. N. the remaining land needed to complete the site. The city also deeded over the streets and waterfront rights along the East River for the entire length of the site. There are eight open acres north of the General Assembly building, which give a spacious, park-like aspect to the site. There are plans for constructing tree-lined paths, formal gardens and a playground in this area.

The unusual Secretariat building is 73 feet wide and 287 feet long, and 505 feet above street level, with three levels below. There are 5,400 windows in this building, with green glass spandrels between them.

The General Assembly building contains an acoustically perfect meeting hall 165 feet by 115 feet, and is 75 feet high. In this room are 636 seats for delegates, 270 seats for observers, 234 for the press, and room for some 800 visitors. Underneath, in two levels, are a large conference room, seven radio studios, several committee and recording rooms, and a master control room for the communications system. Here also is the U. N. Bookshop and a gift shop run by the U. N. Cooperative which sells art and handicraft products of the member states.

The Conference building is 400 feet long and 180 feet wide, and only 55 feet high, but it has three basements. The main area of this long, low building is occupied by the Economic and Security Council, The Trusteeship Council, and the Security Council. These rooms, and several smaller ones lead out onto two terraces which extend the entire length of the building, and overlook the East River. Under this building is a large parking lot with room for 1,500 cars.

The United Nations Headquarters Library occupies a seven story building on the southwest corner of the area. All four buildings are connected either above or below the ground.

PYRAMID BUILDERS OF TODAY (Continued from page 7)

feller in his purchase and gift of the building site. Lie's first step was to name Harrison director of planning, then a consulting board of design was brought together from member nations. France sent brilliant, temperamental Le Corbusier (real name: Charles Edouard Jeanneret), famous for developing the city-in-a-park idea in the '20s. The others: Australia's G. A. Soilleux, Belgium's Gaston Brunfaut, Brazil's Oscar Niemeyer, Britain's Howard Robertson, Canada's Ernest Cormier, China's Ssu-ch'eng Liang, Russia's N. D. Basso, Sweden's Sven Markelius and Uruguay's Julio Vilamajó.

Given the restrictions of the relatively small Manhattan site, there was never any real debate about whether to build a skyscraper or not. The only question was what kind of skyscraper. Few of the non-U. S. architects had had much chance to work on buildings of really soaring height. They welcomed U. S. engineering experience on such problems as wind bracing, elevators, plumbing and fire prevention. Ideas and sketches (all unsigned, since it was to be a group project) piled in and got knocked down right and left. Harrison wanted a bow front for the Assembly; Corbusier saw the Secretariat set on delicate stilts. Both ideas were discarded. Someone wanted all the elevators put at one end of the building instead of in the center. Russia's Bassov stayed up late one night figuring how many extra steps that would mean for the U. N.'s 5,200 office workers, and the elevators stayed in the center. In four months Harrison had a basic design to show the U. N. "In Europe," said Belgium's Brunfaut, "We could not imagine such rapidity."

Though most of the kudos for the overall slab design must go to Corbusier, the panel credits Harrison with translating the basic ideas into blueprints. The final decisions were also his, as chief planner. Most of the time he would sit back, listen to the arguments, then advance his own practical solutions. When the group was satisfied that it had sketched out a workable U. N. workshop, it was time to think about making a monument. Part of the solution was to sheath the two ends of the Secretariat in unbroken, windowless walls of marble. But even here, Harrison & Company were thinking of the things that make a workshop workable. The solid

OUR GEOGRAPHICAL ROSTER ISSUE

For several years we have published in our August issue, a roster of Architects licensed by the Ohio Board of Examiners of Architects to practice in Ohio. This Roster has been arranged alphabetically. We have been asked many, many times if we could furnish such a roster by cities and towns as there is a real need for such an arrangement. Beginning this year our February issue will be such a roster issue. We hope you like it and find it of service.

(Continued on page 18)
Cleveland Chapter A.I.A. Presents "House of Today"
at the CLEVELAND HOME AND FLOWER SHOW, February 28 to March 8

The "House of Today," designed to meet the current popular demand for a small three-bedroom home, will be featured in the 10th annual Cleveland Home and Flower Show at Public Auditorium, February 28 through March 8.

This American Institute of Architects house was designed by Cleveland architect, Howard B. Cain, who was selected by the Cleveland Chapter of the AIA for this honor.

The "House of Today" provides a pleasant environment for the average-income family that reflects contemporary design. The plan emphasizes the distinctive functions of its various parts—completely separating the bedroom, living area and storage workshop from each other with the large entrance vestibule serving as the connection for these three major areas.

The living room with its generous brick fireplace enjoys a long view to the rear of the site, and opens out upon a large terrace. The terrace is also accessible from the master bedroom.

The indoor dining area, actually a part of the living room, is separated from the kitchen by a serving counter. A flexible rolling screen above this counter provides a visual barrier when the need arises.

A separate terrace, directly accessible from the kitchen, permits outdoor dining. A high semi-circular fence provides privacy for this area and adds interest to the view of the house as seen from the street.

Within the bedroom area is located the utility room, with complete laundry services and linen storage. This room adjoins a corridor which in turn adjoins a dual purpose bedroom. When the folding partition that serves the bedroom is completely opened, the vestibule loses its identity and the combined space provides a large playroom.

The garage, with its workshop and storage cabinets, serves as a children's entrance to the house from the outdoor play area. Here they can deposit their muddy boots and coats. The adjacent lavatory is located for their further convenience.

Heating the house is accomplished by means of electric radiant heating elements, although space is available above the utility room to house a gas-type heater. Hot water is obtained from a counter-height electric heating unit located in the kitchen.

Almost 200,000 persons visited last year's show and a large percentage of them stood in long queues to go thru the architects' house on display there.
Three-in-One Dormitories at University of Toledo

PETERSON, HOFFMAN AND GROW, ARCHITECTS, TOLEDO, OHIO

Three dormitories completed at the University of Toledo, Toledo, Ohio, are one structure with respect to the basement, companions on the first floor, and separate structures on the second and third floor levels.

The unique yet original and functional design makes maximum use of the basement but provides an attractive plan of three buildings to the observer. It also reduces the problem of expansion and contraction of the structures.

The buildings provide living quarters for 426 students—142 in each unit. The basement includes a main dining room, each of the three units.

In the plan of the rooms, provision was made for maximum use of space to accommodate a bed, desk chair, wardrobe and book shelves for each student.

The exterior is of red brick trimmed in Lannon stone, the latter a Wisconsin stone which compliments the appearance of existing buildings. The Lannon stone has been placed around entrances and at the base of the buildings.

The buildings have been constructed in the form of a U and the court yard includes a circular driveway.

Approximately more than 60,000 square feet of noncombustible Fiberglas acoustical tile was installed in ceiling areas of three dormitories recently completed at the University of Toledo.

Jim Clarkson, 24, of Lambertville, Mich., a junior and an Air Force veteran studies for his next class in one of three dormitories recently completed at the University of Toledo.

cafeteria, kitchen, space for members of the athletic training table, small dining rooms, a recreation lounge and an infirmary for students of the university.

On the first floor, two recreation lounges join the three buildings into one unit but on the second and third floors, space separates the buildings.

There are 47 rooms accommodating two students and 12 rooms housing four students in Picture windows add serenity and the noncombustible Fiberglas acoustical tile contributes to the quiet of this lounge of one of three dormitories.

Unique construction of three dormitories at the University of Toledo provides for one structure in the basement and on the first floor and three separate buildings on the second and third floor levels. Space between the units reduces the problem of expansion and contraction.

(Continued on page 58)
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OFFICE STATE BOARD EXAMINATIONS

These two views show the two new drafting rooms which the School of Architecture at Ohio State University makes available to the Ohio State Board of Examiners of Architects for the March and September examinations. They represent an improvement over the rooms in Brown Hall used for the past twenty years, and aid materially to the comfort of the candidates during the 4½ days examination.

FROM CINCINNATI

The following good news has been received from Cincinnati. It is good because it was sent in voluntarily and secondly because of the evidence of excellent judgment on the part of the Architects along the banks of the Ohio.

At the January 20 meeting where Robert W. Mitchell of St. Joseph, Michigan presented some colored transparencies of architectural models made in his studio, the architects took off enough time to elect the following officers:

Frederick H. Kock, President; Edgar D. Tyler, Vice-President; Walter F. Sheblessy, Secretary; Richard R. Iuen, Treasurer.

New board member: Eugene Schrand.

Chapter representatives to A.S.O.: Harold W. Goetz; Walter Sheblessy, alternate.

The membership committee reported the admission of the following members: George F. Schatz, Howard Elliston, Nelson Felsberg, C. H. Gillespie, W. W. Cordes, F. W. Pressler.

The program committee for 1953 and 1954 will be led by E. C. Landberg as chairman assisted by Fred Grau and Bernard Schorr. A committee was established to work with the Cincinnati Home Builders Association to develop ways and means by which the A.I.A. can participate in future home shows.

Walter Cordes was elected to head this committee assisted by Eugene Schrand and George F. Roth, Jr. Other

chapters of the state are working on this problem and it is suggested that perhaps an interchange of progress and experiences in this particular annual endeavor might be very helpful and profitable for both the home shows and the architect.

IMPORTANT NOTICE

The Ohio State Legislature is in session in Columbus and a preview of the subjects to be considered shows at least three items of special interest to the Architects. As the work of the legislature progresses we will know more definitely what confronts us and as we will undoubtedly need the support of the other professions, it is urgently recommended that each architect immediately find out who their legislators are, where they live and if not already acquainted with them arrange to meet them so that when the call goes out from Columbus for these law makers to be contacted you will not be talking to strangers.

It can be very properly predicted that there has never been as much legislation up for consideration in the Ohio Legislature at one time that is of so much interest to or will have so much direct bearing on the practice of architecture in this state. The A.S.O. State Legislature Chairman, Mr. Harold Goetz of Middletown, will be calling on the various chapters for assistance soon, so the Chapter Legislature Committees should get well organized at once so as to be able to function efficiently on short notice.

[February, 1953]
DONLEY INCINERATORS

Solve a Pressing Problem

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HENRY P. HOWE ENTERTAINS COLUMBUS CHAPTER A.I.A.

For several years it has been the accepted practice for the material interests to have as their dinner guests the members of the various Architect’s Chapters who in turn spend the evening listening to lectures on materials and construction methods. This practice has not only been profitable for all parties concerned but has made fine contributions toward a better understanding all around.

One such meeting was held at the Seneca Hotel in Columbus on Tuesday evening, Jan. 27 when the Henry P. Howe Company of Columbus, as the representative of the Bagley Window Products of Springfield, Ohio was the host. Jimmie Micas and his “Senicans” started the evening just right with an excellent dinner (see the contented and satisfied look on John Schooley in top picture below).

The main “speaker” or “lecturer” for the evening was one of the Jones boys (Austin E.) who as sales manager, made an excellent presentation to a very interested audience (see bottom picture below). (Charles Conklin of Mansfield had to stay after school as he was not paying attention.)

In his introduction of Manager Jones, Mr. Howe intimated that the manager had some ability as a musician and as an artist. There was no proof offered as to the first but in the picture shown at right, Wm. Linch, Past President of Columbus Chapter presents a sketch of the host to Mr. Howe while the artist, Austin E. Jones looks on. It is a good sketch and Manager Jones did a fine job in explaining metal windows in general and Bagley Windows in particular.

In as much as Columbus is so close to the Bagley plant at Springfield, Mr. Howe included many of the plant staff as his guests and from the many years of experience shown for each, it can be readily understood as to why they have the “know how” when it comes to manufacturing metal windows. They were as follows:

- Austin E. Jones, Central Dist. Sales Mgr., 26 years.
- M. J. (Jack) Mattimore, Erection Manager, 40 years.
- E. C. Rinchart, Price Comptroller, 40 years.
- Chas. H. Thompson, General Sales Mgr., 40 years.
- Arthur P. Jones (Austin’s brother) Hardware designer, Window designer, 20 years.
- Arthur Lawrence, Traffic Mgr., 30 years.
- Walter Funderburg, Purchasing Agt., 30 years.
- Robert H. Supp, Sales Dept., 30 years.
- John Gotwalt (Son of former Architect) Engineering Dept. 20 years.

Chas. Zea, Chief Draftsman, 25 years.
H. Arthur Nauman, Order Dept. 30 years.
Don Castillo, Walter Shuirr, Don Husted, Sales.
Raymond K. Bradley, now with Henry P. Howe Co., formerly with Bayley in Sales Dept.
Carl Rambo, Tool Design.
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George Danforth New Professor of Architecture at W.R.U.

George Edson Danforth, presently on the architecture staff at Illinois Institute of Technology in Chicago, has been appointed professor of architecture at Western Reserve University.

The appointment is a major step in the reorganization of the architectural and visual arts fields at the university, according to President John S. Millis, who announced the appointment following recommendation made by a special committee and approval by the university board of trustees.

A graduate of Illinois Tech, Danforth has had 16 years of experience as a professional architect, including seven years in college teaching and administration. He began teaching at the Chicago school in 1946 and since 1948 has been serving as administrative assistant to the department director there, the famous architect, Miles van der Rohe.

The department of architecture will be placed along with the department of art under the newly proposed division of visual arts at Reserve. The division, which will be organized within the arts and sciences structure at the university, will be officially established with the opening of the 1953-54 academic year on July 1, 1953.

The new division broadening the university programs in architecture and art will place architectural education in the faculty of arts and sciences in close cooperation with all of the visual arts.

President Millis said that Danforth would come to the Reserve campus about March 15 to assist in implementing plans for the new program in architecture which will go into effect in September.

Architect Joins Faculty at W.R.U.

Cleveland architect Howard B. Cain has joined the faculty of the School of Architecture at W. R. U. He began his part-time teaching duties as a visiting critic in architectural design when the Spring term opened Wednesday, Feb. 4.

Cain attended Princeton University and received his Bachelor of Science in Architecture degree from Western Reserve in 1942. While a student at WRU he won the annual Schweinfurth Travel Award, which enabled him to spend one summer in Mexico.

After three years of World War II service as a designer in the special devices division of the Office of Naval Research, Cain joined the firm of Outcault and Guenter in Cleveland. He later was associated with Richard Cutting, working on air bases constructed near Paris, France, under the auspices of the North Atlantic Treaty Organization (NATO).

Cain now has his own architectural firm in downtown Cleveland, and makes his home in Gates Mills, Ohio. He is a member of the American Institute of Architects.

Will Be Published Next Month

Due to lack of space, the continuing article by David Skylar, continued from our January issue, will be carried in March and subsequent issues.

Modernfold Announces a New Economy Folding Door for Residences

Now for the first time, a low cost folding door which meets architects' specifications for strength and rigidity is on the market. The door is called SPACEMASTER and is manufactured by New Castle Products of New Castle, Indiana, makers of MODERNFOLD Folding Doors and Folding Walls.

In the past, folding doors have been successfully used in thousands of commercial applications but use in the home has been limited by availability and price. Company spokesmen believe that SPACEMASTER is the answer to this problem. It is priced right for mass consumer distribution without sacrificing sound construction principles.

The SPACEMASTER has a steel frame with steel pantograph hinges at top and bottom and is covered with a fire-resistant, washable, vinyl fabric. It has all the same basic construction features of the company's MODERNFOLD Doors. SPACEMASTER is available in one neutral color and in three popular sizes for the majority of standard size door and closet openings.

It is claimed that SPACEMASTER costs less per opening in new construction than swinging doors. The SPACEMASTER can be installed in 10 to 15 minutes and comes as a complete packaged unit. With the SPACEMASTER it is said that the contractor saves by not having to buy casings, stops, hardware or hinges. He also eliminates the high labor costs of fitting, hanging, sanding, painting and installing necessary in conventional type wooden swinging doors. SPACEMASTER can save from 10% to 15% of room floor space which is ordinarily made unusable by one or two swinging doors.

The SPACEMASTER is distributed in northern and central Ohio by Neo Sales, Inc., 3801 Payne Ave., Cleveland, and in the southwestern part by Durbrown-Otte Associates, 1426 Clay St., Cincinnati.

RICHARDS TO SPEAK AT COLUMBUS

John N. Richards of the architectural firm of Bellman, Gillette and Richards, Toledo, and Regional Director of the Great Lakes District A.I.A., is the scheduled speaker for the March meeting of the Columbus Chapter. He spoke to the Dayton Chapter at their November meeting and as usual proved a most interesting speaker.

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This is a low cost, plywood top, version of IN-WALL, yet many of the important quality features of IN-WALL are incorporated in its design. With 15 years experience building folding tables and benches, Schieber knows exactly where strength is needed. No castings are used in Port-A-Fold and reinforcements are provided where necessary to absorb the abuse of daily operation.

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ARCHITECT
Mr. J. R. Graham, of Graham Door Company, is shown at right, proudly displaying his newborn "brain-child"... a fiberglass plastic garage door.

This innovational door will have its premiere, national showing in the Graham exhibit, adjacent to the Architects' House, in the Homeland section of the coming Home and Flower Show.

The functional features of this product will be of interest to readers of this magazine. The sections of the door are covered on both interior and exterior sides with fiberglass plastic. This popular, structural material is light in weight, extremely strong and impervious to weather. It is produced in a variety of colors and is translucent. This combination of features is considered ideal by Graham for garage doors. The translucence allows soft, diffused light to flood the interior of the garage, while affording privacy. Since it is pre-colored in manufacture, painting is unnecessary. Its light weight assures ease of operation, and its amazing strength gives it durability. Commercial and residential installations are foreseen. The plastic material is a product of "Resolite," of Zelienople, Pa. The door was produced in the manufacturing plant of Graham Industries, Inc., 6911 Carnegie Avenue, Cleveland.

Architects are invited to view and critically appraise the experimental model of this revolutionary door at the Home and Flower Show.

PYRAMID BUILDERS (Continued from page 8)

end walls also meant no struggles among U. N. staffers for corner offices.

With the basic designs agreed on, the designers went home. It then took Harrison and four of Manhattan's top construction outfits (Fuller, Turner, Walsh, Slattery) four and a half years to finish the job. At the peak, in 1949-50, an army of 2,500 workmen and experts swarmed over the U. N. Harrison's planning office alone kept more than 250 people busy day and night.

Big and little engineering decisions had to be made constantly. Since the buildings were to be air-conditioned throughout, a vast amount of water had to be piped in for the cooling equipment. Instead of using city water, Harrison's engineers cleaned out two huge sewers left over from slaughterhouse days, and installed pumps capable of sucking in 14,000 gallons of water a minute from the East River. Since everybody at the U. N. seemed to favor a different temperature, Harrison had put in individual controls at every second window. Staffers are not entirely satisfied with the temperature ranges, even now.

Money was the most critical shortage. With zooming costs and an iron-clad budget, Harrison's designers had to redraw the plans for the Assembly Building nine times to make successive economies in size and building materials. The resulting design was too squat, Harrison thought. He introduced a steel dome to give an impression of greater interior height. There were other troubles—problems of riveters who were almost unable to hammer in the oversized rivets needed to brace the Secretariat against the wind, of a tiny decoration budget that had to be eked out with paint, plaster and imagination. Harrison was asked how he ever managed to get the U. N. built. "The same way you build a railroad," said Harrison, "foot by foot."

Wallace Kirkman Harrison is strictly a working architect. He has written no books on what he has done or what architecture might or should do. When he is not trampling around an excavation or arguing with contractors, he can usually be found hard at work in his office—a big (6 feet, 2 inches, 210 pounds), rumpled figure in shirtsleeves. He talks everyday American with a New England twang, and runs his firm like a football team. He quit school early and came up the hard way. He has very little time for play. In his hurry, single-mindedness and success, he is a character out of J. P. Marquand.

Moreover, if architects are a combination of Mary and Martha, Harrison is mostly Martha. He has no place among such frontiersmen of architecture such as Frank Lloyd Wright, Louis Sullivan (whose steel-ribbed Wainwright Building in St. Louis was one of the earliest (1891) ancestors of the modern skyscraper), and Walter Gropius. He is not even sure that he is a modern. A Harrison-styled building is applied modern—the kind that the purists boggle at, but John Doe likes.

Wallace Harrison was born on September 28, 1895 in a small frame house in the center of Worcester, Mass., where his father was superintendent of a local ironworks. Young Wally Harrison saw the automobiles fill up Main Street, saw the old victorian houses taken over by morticians and auto showrooms.

When he was just 14, Harrison's mother died, and his father grieved himself to pieces. Harrison quit school and pestered a local contractor for a job. "Son," the contractor told him, "you're a fool to go into building. Go into farming, that's where the money is." Nevertheless, he took Harrison on as an office boy, and later even let him diagram some stone designs. Harrison soon noticed something about the contracting business: the contractor took his orders from the architect. That decided him, he would be an architect.

Harrison took a course in construction engineering at Worcester Tech. But, there must be better places than Worcester, he decided, to find out about architecture. When he was 20, he went to New York and applied for a job with the most famous firm of archi-
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487 Brooker, Harry A., 706 Crosby St., Akron 8
601 Brown, Homer D. (Board of Education) 70 N. Broadway, Akron 8
1836 Canute, Gordon Wesley, 191 West Exchange St., Akron (2)
573 Cassidy, Harold S. (Firestone & Cassidy) 175 W. Bowery St., Akron 8
2045 Charleston, Jack, 399 Madison Ave., Akron (20)
2092 Chambers, Jack H., 12 N. Rose Blvd., North, Akron (13)
2093 Chambers, Lorraine S., 42 N. Rose Blvd., Akron (15)
402 Connelly, George R., 158 Edgerton Rd., Akron 3
1352 Creager, H. Keith, 418 Grand Ave., Akron 2
1001 Fichter, J. Adam, 706 Crosby St., Akron (3)
1230 Firestone, Roy G. (Firestone & Cassidy) 175 W. Bowery St., Akron 8
629 Florence, E. Vance, 176 N. Main St., Akron (10)
710 Frazee, Jules (Goodrich Co.) 500 S. Main St., Akron 3
700 Gleisman, Louis A., 531 Fernwood Dr., Akron 2
534 Helmckamp, William B. (Kraus and Helmckamp) 217 E. Exchange St., Akron 4
473 Huff, William B., 1050 N. Main St., Akron 10
2027 Kamenir, Bernard, 406 Madison Ave., Akron (20)
265 Kenny, Geves G., 311 Kenilvait Rd., Akron (3)
1170 Konski, Michel M., 844 West Market St., Akron 3
1477 Kraus, Edward H. (Kraus and Helmckamp) 217 E. Exchange St., Akron 4
533 Kraus, Robert J. (Kraus and Helmckamp) 217 E. Exchange St., Akron 4
2127 Kraus, Robert M., 535 Fernwood Dr., Akron (20)
483 Lauer, Martin P., 255 W. Exchange St., Akron (2)
1478 Luxmore, John R. (Wagner & Luxmore) 200 Permanent Bldg., Akron (8)
730 Mccord, George E., Jr., 525 Palisades Dr., Akron (3)
2058 McKenzie, John S., 1184 Woodward Ave., Akron (10)
347 Murphy, Milton E., 1020 2nd Nat'l Bldg., Akron (8)
458 Peck, Melville C., 2037 Albrecht Ave., Akron 12
1902 Peddle, Eugene F., 814 W. Market St., Akron (3) (M. M. Konski)
1956 Petersen, Alfred W., 64 S. Pershing Dr., Akron (13)
2109 Raynes, Jesse F., Jr., 1139 Herman Ave., Akron (7)
2123 Roberts, Stewart A., 1776 Marks Ave., Akron (5)
1564 Scott, J. Arthur (B. F. Goodrich Co.) 500 S. Main St., Akron, Ohio
1614 Stevens, Burt V. (Kenny-Stevens) 311 Kenilvait Dr., Akron (3)
530 Suppes, John F., 55 E. Mill St., Permanent Bldg., Akron 8
1103 Thompson, William B. (B. F. Goodrich) 500 S. Main St., Akron
1851 Tuchman, Joseph, 191 West Exchange St., Akron (2)
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1917 Wiley, Kenneth F., 814 W. Market St., Akron (M. M. Konarsi)

ALLENTOWN
1321 Zuber, Richard N., 255 E. State St., Alliance

ASHTABULA
247 Eddy, Merle J., 205 Park Place, Ashtabula
1646 Kontturi, Arne J., Sheaff Bldg., 4634 Main Ave., Ashtabula
337 Martin, Clarence V., 202 Johnson Bldg., Ashtabula, Ohio

ATHENS
807 Davis, William J., 166 Morris Ave., Athens, Ohio
2041 Deen, Dwane Howard, 42 West Carpenter St., Athens, Ohio
2022 Lausche, Luverne F., 35 Fairview Ave., Athens, Ohio

BARBERTON
1926 Buzzard, Roger F., 514 Parker Ave., Barberton, Ohio
1581 Miller, Donald C., R. D. No. 1, Box 556, Barberton

BEDFORD
1909 Hazen, Wayne A., 33 Magnolia St., Bedford, Ohio
1919 Miller, Robert T. C., 19418 Raymond Rd., Maple Hts., Bedford, Ohio

BELLEFONTAINE
1249 Gallogly, Clarence R., 112 S. Stanley St., Bellefontaine, Ohio
477 Manor, Win. Howard, Holland Theatre Bldg., Bellefontaine

BEREA
726 Foley, Thomas J. Jr. (Mellenbrook, Foley & Scott) 26 Front St., Berea
1609 Kluth, Victor M. (Mellenbrook, Foley & Scott) 26 Front St., Berea
717 Mellenbrook, Earl H. (Mellenbrook, Foley and Scott) 26 Front St., Berea
1859 Reitzler, Harold P., 474 Crescent Dr., Berea, Ohio
2117 Richards, Donald J., 206 Wyleswood Dr., Berea, Ohio
1207 Scott, Franklin G. (Mellenbrook, Foley & Scott) 26 Front St., Berea
1279 Werner, Melvin T., 156 East 5th Ave., Berea, Ohio

BOWLING GREEN
415 Stewart, Budde A., 155 W. Wooster St., Bowling Green
940 Raney, John K., Bowling Green State University, Bowling Green

BRECKSVILLE
1671 Biskup, Emil J., 4550 Harris Rd., R. D. No. 2, Brecksville
911 Keister, Lowell M., Cedar St., Brecksville, Ohio
1214 Lehmann, Dale E., 7309 Snowville Rd., Brecksville, Ohio

CANTON
1711 Breing, Kenneth J., 1109 Duerer Ave., Canton (6)
1709 Dix, Ralph G., Jr., 3307 Mantindale Rd., N. E., Canton 4
1400 Dykes, Eugene W., 125 Valleyview Ave., Canton (8)
321 Firestone, Charles E., 1112 Cleveland Ave., N. W. (Firestone & Motter) Canton (5)
1870 Firestone, Charles E., 1112 Cleveland Ave., N. W. (Firestone & Motter) Canton (3)
802 Foulks, George M., 652 12th St., N.W., Canton 3
894 Frank, Harry C., 201 Canton Bldg., Canton 2
108 Lawrence, Richard E., (Lawrence and Dykes) 125 Valley View Ave., N. W., Canton 8
209 Lorentz, Raymond V., 1103 10th St., N. W., Canton 3
797 Motter, Laurence J., 1112 Cleveland Ave., N. W. (Firestone & Motter) Canton (5)

CHAGRIN FALLS
1856 Burrows, Richard C., R. D. No. 3, Providence Rd., Chagrin Falls, Ohio
918 Grieme, Henry C. R., 35 Main St., Chagrin Falls
520 Schwerin, Urban G., Hemlock Point Road, R.F.D. No. 2, Chagrin Falls

CINCINNATI
1181 Ahlert, William L. E. (Div. of Bldgs.) 619 W. 12th St., Cincinnati (7)
2099 Adams, Mary Ellen (Voss) 1803 Hewitt Ave., Cincinnati (7)
1986 Alexander, James M., Jr., 125 Congress Run Rd., Cincinnati (2)
1123 Allard, Louis E., 3246 Queen City Ave., Cincinnati (3)
2252 Allan, James E., 914 Main St., Cincinnati 2
1691 Alling, Stephen J., 7373 Kirkwood Lane, Cincinnati (33)
1899 Amdus, Robert C., 3750 Charlotte Court, Cincinnati (27)
1004 Arend, Arthur R. (Arend and Arend) 914 Main St., Cincinnati 2
1275 Arend, William S. (Arend and Arend) 914 Main St., Cincinnati 2
(Continued on page 24)
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A national organization to improve and extend the uses of portland cement and concrete through scientific research and engineering field work
tects in the U. S., McKim, Mead & White. They had put up half the nouveau riche palaces in Newport, R. I., and had just built the Morgan Library in Manhattan, while some Bellevue Hospital buildings, the Racquet and Tennis Club and several Columbia University buildings were among the projects on their drawing boards. Harrison wanted the job so much that he said he would work for nothing. He was taken at his word and set to drawing plans for a book on hospitals one of the partners was writing. Within a fortnight, he was a junior draftsman at $20 a week.

In his spare time, Harrison tried to fill out his education. At the parish house of Calvary Episcopal Church, where he roomed for a while, the curates kept a dictionary beside them at mealtime. Whenever a word was in question, they would look it up. "I got an education by absorption there," he says. On his days off, he walked around New York studying such wonders as Fifth Avenue, Wall Street and the Woolworth Building. While still working for McKib, Mead & White, he got himself enrolled in the atelier of a top architect, Harvey Wiley Corbett, where in the evenings he drew, read and rewrote, while Corbett passed from desk to desk, criticizing and encouraging.

In World War I, Harrison enlisted in the Navy, and wound up as an ensign, navigating a sub chaser in the Adriatic. He saw little action, but he did get to Paris, and soon after his discharge he went back to see some more of it. By 1920, he was living in a Left Bank lodging house, eating bean soup in a restaurant "so cheap not even Frenchmen would go there," and hearing excited talk about Corbusier and the new German moderns.

The boy from Worcester still had to catch up on free-hand drawing, math and physics — things his contemporaries had learned in college but that he had to learn in Paris cram schools. He stayed up nights arguing with young moderns. He did not take easily or kindly to modern notions in architecture. "I remember arguing my head off against those fellows. I said you couldn't possibly put a glass window at the bottom of a building. It just wouldn't look as if it were going to stand up."

Home again after a year of Paris, Harrison found the tides beginning to turn. The Renaissance revival was losing momentum; the skyscraper boom of the 20's was under way. Harrison left McKib, Mead & White and went to work for Bertram Goodhue, who had just won a competition for the Nebraska state capitol. Harrison worked on some of the dome designs for the capitol, and became one of Goodhue's top designers.

In 1926, Harrison was the picture of a struggling young architect. He had saved up enough money to support a wife, a tall, 22-year-old blonde named Ellen Hunt Milton, whose brother had married John D. Rockefeller Jr.'s daughter Abby. They were living in a small, two-room apartment in Manhattan's East 70s when Harrison's old teacher, Harvey Corbett, offered him a partnership. Harrison jumped at the chance, and for the next four years designed a series of auditoriums and office buildings with Corbett. Architecture was almost his entire life. There was always a drawing board in his room and a pad and pencil by his bed. In the morning, his wife usually found the floor littered with scraps and sketches.

When John D. Rockefeller Jr. was ready to build Rockefeller Center, Harrison had definitely enlisted in the camp of modern architecture and was ready to fight for it. He was sure he was on the winning side. Gothic and neo-classic skyscrapers were dying out in Manhattan; Hood had just designed the starkly simple Daily News Building and the equally simple — if startlingly peagrue — McGraw-Hill Building. Harrison and his partner Corbett were among the architects chosen by the Rockefellers to work on the designs for the most ambitious project of the century.

The designs for Rockefeller Center were too modern for most people. The conservatives set up a howl. "I don't know what people expected," says Harrison. "They must have thought it was going to be one great square, a sort of Spanish Plaza or a Place de la Concorde." But John D. Rockefeller Jr. never said a word. "I never read the papers when they print disturbing things about me or my people," he told his architects.

The design had taken 18 months to finish. Architect Ray Hood had wanted the R. C. A. Building to look like a slab, but with staggered setbacks. Harrison battled for a single, uninterrupted cliff of stone. Harrison found himself alone and had to give in. That was not the only fight. The managerial firm of Todd, Robertson & Todd that Rockefeller had put over the architects wanted the whole group of buildings wrapped in Byzantine or Romanesque trim. The argument got hot; so did Harrison. Finally, he exploded out of his chair and sent it spinning. He shouted, "you people just can't do this!" It was worse than criminal, he cried to spend $125 million tricking something as clean and new as the U. S. skyscraper in any of the period styles of the past.

Rockefeller was convinced. When the Center went up, it was the simplest skyscraper group the world had ever seen. John Doe, peering up at it from the street, decided he liked it, thought maybe it was even handsome.

In the mid-30's, Harrison had his own office and two new partners: Andre Fouilloux and Max Abramowitz. The firm helped add two more buildings to Rockefeller Center, put up the 12-story Rockefeller Apartments in Manhattan and the $1,200,000 Hotel Avisa in Caracas, Venezuela's first luxury hotel and still its best. Harrison's firm was given the job of finding a suitably futuristic theme for New York's World's Fair. He and his designers spent months on the problem. On the 1,036th drawing, they got what they wanted — the Trylon & Perisphere. When the fair officials ran short of money and cut the Perisphere down by 20 feet, Harrison felt it was "a disaster."

In World War II Harrison went to Washington, where he served for four years as deputy to Nelson Rockefeller in the Office of the Coordinator of Inter-American Affairs. Harrison, the Government official proved an able administrator with a knack for homely diplomacy. Then came the U. N. job.

The U. N. buildings have consumed most of Harrison's time since the war, but he has also been branching out in other directions. In Dallas, he is putting up a 500-foot Secretariat-like office for the Republic National Bank, the tallest skyscraper ever built in the Southwest.

He has finished plans for a $6,000,000 aquarium for Brooklyn's Coney Island, is working on a $1,000,000 auditorium for Ohio's Oberlin College, a $3,500,000 office for the Carnegie Endowment for International Peace in Manhattan, and a $22 million public housing project (1,800 apartments) in Brooklyn. Near Pittsburgh's "golden triangle" stand two brand-new Harrison skyscrapers. One is a 11-story, $23 million slab sheathed in limestone and glittering stainless steel for U. S. Steel and the Mellon National Bank; the other is a 30-story office building for the Aluminum Company of America.

Except for the steel skeleton, almost the entire building is aluminum. Stamped aluminum panels cover the girders; there are aluminum partitions, woven-aluminum lighting fixtures, aluminum wires to carry the electricity, bright-colored aluminum strips for the roof terraces. Maybe someday we'll have cities colored like rain. (Continued on page 58)
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GOOD YEAR

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[February, 1953] 23
24

[February, 1953]

THE OHIO
Let this New Star brighten your building picture!

Josam Catalog “K” Now Available

Just off the press is the Josam Manufacturing Company’s new plumbing drainage products catalog. Josam, leading manufacturer of plumbing drainage products, proclaims this new catalog “K” as the latest and most complete volume ever published on plumbing drainage products. A new and exclusive arrangement throughout the 208-page catalog provides quick and easy comparison, selection and specification of plumbing drainage products—helps the specification writer save time and avoid error—as-sists the user in quickly locating exactly the product he desires.

Especially interesting to architects, professional engineers, plumbing contractors and suppliers is the “visual flow” idea incorporated in this catalog. Base products are shown side by side with all variations illustrated in one view, so that comparison and choice are simple.

Many new Josam plumbing drainage products, recently designed and never before shown have been included. Feature pages, prefacing each section, illustrate the important features of each series of products. Location charts, in quick reference form, suggest the correct products for specific locations in all buildings where plumbing drainage products are necessary.

The illustrated, alphabetical and numerical indexes have been carefully developed to provide for maximum speed and convenience in using this catalog. Interesting and very helpful information is provided in the form of charts, installation diagrams and illustrations which give the user a great amount of data pertinent to selecting and installing products suited to his particular needs or location.

Products covered in this catalog include: floor drains, roof drains, interceptors, backwater sewer valves, swimming pool fittings, shock absorbers, U. S. Government products and drainage specialties. Free copies of this complete and authoritative catalog are available by writing the Josam Manufacturing Company, Dept. X63, Michigan City, Indiana.

Lift Slabs in Cleveland

On the January cover of the “Ohio Architect” was a picture of a concrete slab practically “floating in air.” This showed the raising of a concrete roof slab for the new Temple Isaiah in Los Angeles.

We need not have gone west for such a story. This same kind of work is done in Cleveland by the Ohio Lift-Slab Company of 2520 Payne Ave. Roy Brown of this concern tells us...
Model School Chooses "Modernfold" doors for efficiency at low cost

Transfiguration School, a model for other new schools in the diocese, was built at a cost of only $84 per cubic foot. Thus, it is evident that the school authorities used only products which were efficient and inexpensive.

"Modernfold" accordion-type doors fitted into this category perfectly. No other type of closure met the needs for an intelligent, complete use of all space so well. The school uses eight pairs of "Modernfold" doors as wardrobes, one large door on the auditorium stage, and another to partition the teachers' room.

In all types of school applications, "Modernfold" doors are beautiful. The sturdy metal frame is a firm foundation for the beautiful vinyl coverings. Available in a wide variety of colors, they match any general color scheme; are flame-resistant and easily washed with soap and water. Look under "doors" in your classified telephone book for the name of our installing distributor.

NEO SALES OPENS IN YOUNGSTOWN

Mr. W. K. Barkett of Neo Sales, Inc., 3804 Payne Ave., Cleveland announces the opening of a new warehouse and store at 607 Elm Street, in Youngstown. Mr. William Becherer will be in charge of this operation. He has been with Mr. Barkett for some four years on the Modernfold Door which Mr. Barkett distributes in northeastern Ohio.

At the Youngstown store, among other items, will be carried a full stock of Goodyear Vinyl and Rubber flooring; Johns-Manville tile and Terraflex tile; United States Rubber Company's new "Satisply" which is a counter top covering similar to Formica, and a plastic wall tile made by the Ridge Plastic Company of Elyria.

JOHN KISH OPENS OFFICE

Architect John G. Kish, of 18500 Parkway Ave., Rocky River, Cleveland 16, Ohio, phone EDison 1-2373, announces that he is giving his entire time to individual practice of architecture. For the past seven years he has been affiliated with the Cleveland District of F. W. Woolworth Co., as their architect in this area. He has had a wide experience in the architecture of Shopping Centers.

Besides retaining a connection with the Woolworth Company he is actively working right now on three Shopping Centers. One in Massillon, one in Medina and one in Olmsted Township.

He has just finished one of 32 units and Department Store for Stark at Canton, O.

Architect Kish is a graduate of University of Michigan Architecture College. Prior to his affiliation with the Woolworth Company he was chief architectural Inspector of the NACA at the Cleveland Hopkins Airport, Cleveland. Previous he handled all architectural supervision on the Great Lakes Exposition held in Cleveland in 1937.

Lots of luck John, which we know you well deserve.
The Water Heater to Specify

For any commercial installation

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Gas water heaters

Perform efficiently and economically as:

- **Instantaneous Heaters** — operate as self-contained units — for use in service stations, barber shops, beauty shops and other service businesses.
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- **Straight Recovery Heaters** — provide hot water in large volume when installed with a storage tank and circulating pump — ideal for apartment houses, hotels, motels, clubs and hospitals.
- **Booster-Recovery Heaters** — supply 140° hot water for general use and 180° hotter water for sanitizing purposes at the same time — perfect for restaurants, grills and fountains.

**WOMAN STUDENT WINS FIRST PLACE IN DESIGN PROJECT**

Appropriately enough the fair sex carried off first prize honors in The Rust Engineering Company's sixth annual Awards Project for fourth-year students of architecture at Carnegie Institute of Technology. The project: Design of a canned soup factory.

Mary Chianelli Kozak, the first woman ever to win one of the Awards, was presented with the $100 first prize; while Alfred E. DeVido, and Harry R. DePolo won the $50 second, and $25 third prize awards respectively. Mr. R. D. Spellman, chief engineer, of Rust made the presentations. The prize winners were afterward honored at a luncheon given by the Company.

Mrs. Kozak, a graduate of Pittsburgh's Peabody High School, is the wife of a fellow student, John Kozak, Jr., a Senior in Carnegie Tech's Department of Architecture. They live at 705 Ivy Street, Pittsburgh.

DeVido is a native of Clifton, New Jersey. He lives at the Phi Kappa Fraternity chapter house, 5029 More...

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**[February, 1953]** 27
ULTRA NEW
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Extra Safety — 2-inch structural select Douglas Fir makes for greater safety.

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Extra Simplicity — Rollway Bleachers have a perfect counter balance, operate with a minimum of moving parts (only three stout journals every 3 feet).

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Extra Floor Space — folded Rollway Bleachers occupy only 2'6" of storage space.

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DETOIT 1, MICH.
TALCO'S NEW DISPLAY ROOMS

We got a thrill—and Cleveland and northeastern Ohio architects will also when they visit the new display rooms of Talco, Inc., at 2323 Chester Ave., Cleveland. Floyd Talman, President, has certainly made this one of the most inviting kitchen cabinet display rooms we have yet seen. Talco, Inc., is the distributor for St. Charles Metal Kitchens; Coppes-Napapi Wood Kitchens and the Talco Wood Kitchens which they manufacture themselves. They are also dealers for Geneva Metal Kitchens in greater Cleveland. They have an electrical contractor's license as well as a master plumber's license. They are specially set up for service to the architect and their sales effort will be directed toward the architect.

The only way to appreciate what they have is to see it for yourself, as quite a number of our leading architects have already done.

RAY WURZ COMPLIMENTED

Ray L. Wurz, president of the R. L. Wurz Co., of Cleveland who represents Davidson Enamel Products of Lima, O., in the sale and installation of their architectural porcelain enamel was highly complimented recently. The manufacturer, in a recent booklet sent to architects over the country, featured four jobs that he was responsible for in northeastern Ohio. This booklet describes the products—typical construction details of interest to architects with before and after views of the job. The new shopping centers done in their porcelain enamel were most interesting. This booklet can be obtained by writing Architectural Division, Department 0-53, Lima, O., or R. L. Wurz, 1836 Euclid Ave., Cleveland.

“There is no substitute for marble.” Why consider “marbleized” materials when genuine marble is available in standard tile sizes. In 3/8 inch thickness Markwa is supplied in sizes from 8” x 8” up to 12” x 16”. In no other material can you obtain the beauty of nature’s colors and markings found in marble. Markwa should be included under tile specifications. It is sold through and installed by Tile contractors.

For complete information and suggested specifications, see our Markwa folder in Sweets or write to our Main office.
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<td>715 Wilkens, Schrand &amp; Wilkens S-106</td>
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<td>Winnes, Clifford J.</td>
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### CONGRATULATIONS IN ORDER

Frank J. Uhlik of Cleveland, long active in the hospital and institutional equipment field, advises that he has formed the INSTITUTIONAL EQUIPMENT CO., with headquarters at 17010 Madison Ave., Cleveland 7, Ohio, phone BO. 2-1727.

This concern will represent old and reliable manufacturers of Institutional Equipment for hospitals, schools and commercial buildings. He has five that appear to be of the best. They are EXCEL METAL Cabi-Casework; RUSLANDER & SONS, NET CO. (Hospital and Laboratory Inc. Kitchen and Cafeteria Equipment); THE JEWETT REFRIGERATOR CO., Inc. (Commercial Refrigeration); OTIS STEEL PRODUCTS CO. (all purpose adjustable shelving); INCINERATOR PRODUCTS CO. (Engineered destruction equipment).

Associated with Mr. Uhlik are engineers of qualified ability, recognized by architects and engineers with whom they have worked in the past. Such an organization representing proven lines should be welcomed. Located in Cleveland and distributing these items in Ohio, they will be in a position to work directly with the architect and give him the service so necessary on items of this nature.

### UNIVERSAL CONCRETE OPENS MIAMI PLANT

More than 500 civic officials, engineers, architects and contractors attended the opening of Universal Concrete Pipe Company's Miami, Florida area plant Saturday, Jan. 10.

"The Vagabonds" headlined an entertainment program following a tour of the newest Florida facility for manufacturing concrete products. Visitors inspected a large steel frame building where plain pipe is made in diameters from 4 to 24 inches and re...
inforced pipe from 24 to 156 inches in eight-foot and longer lengths. In addition, the plant will manufacture Flexicore roof and floor slabs and other precast concrete products to serve southern Florida below Lake Okeechobee.

The new Universal plant, 1525 Stirling Rd., Dania, is the 26th in a network that extends through eastern and southern U.S.A. It is equipped with modern machinery made at Columbus, Ohio, home of the company, world's largest manufacturer of concrete sewer and culvert pipe. Its sales and production are linked with Universal's other Florida plants at Ocala and Tampa and sales offices at Tallahassee and St. Petersburg.

H. X. Eschenbrenner, president of the company, and H. E. Eschenbrenner, executive vice president, welcomed the guests. Also present were universal officials from other states. W. M. Lafferty is manager of the new plant, with Francis Aumand, office manager. John A. Harris, Universal's district sales manager who maintains offices at Tallahassee, will direct sales.

Henry Fox and Morton Brady Die

Henry W. Fox, A.I.A., died Friday, Jan. 23rd in Cleveland, at the age of 61. He practiced in a partnership with his brother, George and was the designer of many school and civic buildings. Among them were the Kirk Junior High School in East Cleveland, and schools in Berlin Heights and Milan, O. His brother died a few weeks previous.

Morton J. Brady, well known to architects for his work as a steel construction designer died Feb. 28th at the age of 70. Among his more prominent jobs were the steel designing for the Cleveland Public Auditorium, Hotel Hollenden annex, Auditorium Hotel and Severance Hall, all in Cleveland. Both will be missed by their many friends and associates in the architectural field.

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THE OHIO
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1313 Rotman, Louis J., 574 East 260th St., Cleveland (23) Ohio (Euclid)
670 Roussel, Marius C., 516 Bulkeley Bldg., Cleveland 15
206 Rowley, Charles B., 2006 Keith Bldg., Cleveland 15
706 Rudolph, George E., 1514 Parker Dr., Cleveland (24)
1816 Rukin, Marvin J., 14146 Superior Rd., Cleveland Hts. (18)
625 Ruth, Paul C., 1720 Euclid Ave., Cleveland (15) (Hays and Ruth)
1825 Ruza, Francis L., 2004 Elmwood Ave., Lakewood (7)
732 Saiter, Gilbert P., 1710 14th St., Cleveland
855 Schimmin, George E., 10717 Fortune Ave., Cleveland
578 Scholl, Adolph P., 3205 West Blvd., Cleveland 11
1640 Schwartz, Walter R., 3208 West 126th St., Cleveland 11
928 Scott, Elmer F. (Lakewood) 1484 Elmwood Ave., Cleveland 7
1389 Sharpe, Harry A., 12336 Forest Grove, Cleveland 8
1182 Shively, Walter F., 1202 Republic St., Cincinnati 10
697 Simmon, Karl V., 1170 Piernard Rd., South Euclid (21)
905 Simon, Sanford, 1000 Wadsworth Rd., Cleveland (10)
479 Simpson, Russell S., 1110 Hanna Bldg., Cleveland (15) (Conrad & Simpson)
517 Skolnik, Louis, 509 Perry-Fayre Bldg., Cleveland 13
152 Small, Philip L. (Small, Smith, Reeb) 1010 Euclid Ave., Cleveland (15)
157 Smith, George C. (Small, Smith & Reeb) 1010 Euclid Ave., (Rm. 709) Cleveland 15
615 Sommhalter, John E., 1315 Avondale Rd., (So. Euclid) Cleveland 21
1172 Spahn, Ronald A., 1950 Lee Road, Cleveland (18) (Spahn & Barnes)
1930 Spangler, Robert C., 135 E. 233rd St., Apt. 72, Cleveland (7)
304 Spencer, Meade A. (C. B. Rowley) 2004 Keith Bldg., Cleveland 15
1178 Spieth, Otto A. (Leavitt & Spieth) 1031 Schofield Bldg., Cleveland 15
859 Spissman, Fred J., Jr., 4135 W. 140th St., Cleveland
1262 Stickel, George W., 2422 Prospect Ave., Cleveland (15)
1325 Stickel, Robert W., 2422 Prospect Ave., Cleveland (15)
778 Stitt, Edwin M., 2008 Keith Bldg., Cleveland 15
941 Stock, Joseph J., 3800 Terminal Tower, Cleveland 13
1126 Stone, Oliver M. (Case Institute of Tech.) Euclid Ave., Cleveland 6
1969 Story, Robert P., 1520 Jaeger Dr., Cleveland (21) (Lyndhurst)
BEFORE — The F. W. Woolworth Co. Building before remodeling

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2001 Clark, George Mason. 2103 Ridgeview Rd., Columbus (12)
1248 Cleland, Earl F. (Pettis, Oman, Meinhardt and Cleland) 2901 N. High St., Columbus 15
300 Cloud, Charles W., 630 E. Broad St., Columbus 15
510 Coakley, Burns M., 2469 E. Main St., Bexley, Columbus 9
1390 Coddington, Gilbert H. (Brooks & Coddington) 329 E. Broad St., Columbus 15
580 Crider, Paul E. (Sims, Schooley) 2901 N. High St. Columbus
914 Croce, Chester (Ramsey & Croce) 6 West Frame Ave., Columbus 1
52 Crowe, Michael A., 1873 Franklin Park South, Bexley, Columbus
563 Crumley, George D. (Tibbals, Crumley & Musson) 905 E. Broad St., Columbus 5
920 Dauben, Hyv. J., 1636 Barrington Rd., Columbus (12)
2034 DeVolt, Robert E., 1224 Northridge Rd., Columbus (11)
1112 Dupre, Arthur J., 1373 Grandview Ave., Columbus (12)
557 Eggert, Effio E., 383 Fallis Rd., Columbus 2
396 Eshel, Henry E., 297 S. High St., Columbus (15)
2054 Emerick, Gerald L., 175 Tibet Rd., Columbus (2)
821 Feinknopf, Mark D., 150 E. Broad St., Columbus 15
686 Field, Wooster Bard (Brown Hall) Ohio State University, (Rm. 310) Columbus 10
1690 Fischer, Emil C., Dept. of Arch., Ohio State University, Columbus (10)
585 Fling, Russell R., 235 Overbrook Dr., Columbus (14)
1867 Foley, James J., 1530 Ashland Ave., Columbus (12)
634 Forntoff, J. Fred., 221 Orchard Lane, Columbus (14)
1000 Frank, C. Melvin, 43 W. Long St., Columbus (2)
1199 Freshwater, Eynan E., 3885 N. High St., Columbus (2)
1025 Friday, Alfred J., 145 E. Lakeview Ave., Columbus (2)
790 Fullerton, Scott (State Arch. Office) 705 Ohio Depts. Bldg., Columbus 15
1748 Gamersfelder, Robert H., 2691 York Rd., Columbus (12)
1958 Giftillen, William W., 1356 Mulford Rd., Columbus (12)
837 Gill, Ernest L. (State Arch. Office) 701 Ohio Depts. Bldg., Columbus 15
52 Glass, Floyd F., 20 S. Third St., Columbus 15
920 Goller, Raymond D., 650 E. Broad St., Columbus (15) (L. F. Karlsberger)
936 Gribben, J. Upton, 346 Glennmont Ave., Columbus (14)
979 Hansbarger, Claude R., 79 E. State St., Columbus 15
1359 Hansen, Walter C., 015 West Lane Ave., Columbus (12) (Hansen & Tilley)
1691 Harris, William H., 374 N. Virginia Lee Rd., West Columbia (9)
559 Harrison, Myron L., 791 Oak St., Columbus 5
1970 Hayes, Earl C., 668-A North Nelson Rd., Columbus (3)
1733 Hess, Nancy Rose, 423 N. Virginia-Lee, West Columbus (9)
1561 Hobbs, Frederick H., (Tully-Hobbs) 582 Oak St., Columbus (15)
1664 Hoffenberg, Daniel H., 1503 Hamlet St., Columbus
1666 Holroyd, Harry James, 3201 W. Broad St., Columbus (4) (Tuttle-Holroyd)
1020 Huhn, Alexander W., 419 Oakland Park Ave., Columbus (14)
2072 Huffman, Robert H., 5100 Olentangy River Rd., Columbus (14)
1228 Inscho, C. Curtis (Inscho, Brand and Inscho) 60 E. Broad St., Columbus 15
759 Inscho, Charles L. (Inscho, Brand and Inscho) 60 E. Broad St., Columbus 15
1208 Jones, Clifford E., 42 E. Gay St., Columbus 15
2006 Jones, David E., 1420 Minnesota Ave., Columbus (11)
2026 John, William L., 5 Chittenden Ave., Columbus (1)
201 Karlsberger, Louis F., 630 E. Broad St., Columbus 15
1784 Kelham, William E., 156 S. Rays Ave., Columbus (4)
1151 Kempton, Ralph C., 50 West Broad St., Columbus (15) (Rm. No. 2750)
2125 Killian, Roland D., 216-D Bagshaw Rd., Columbus (2)
2113 Kramer, Ann Carolyn, 311 Woodland Ave., Columbus (4)
1573 Kreamer, William H., 750 S. High St., Columbus 6
250 Kromer, Edward (Board of Education) 270 E. State St., Columbus 15
1877 Kruze, Eugene. 627 Seymour Ave., Columbus (5)
1643 Lehman, Jon C., Jr., 1395 Grandview Ave., Columbus (12)
1401 Lenander, Arthur C., 70 E. State St., Columbus 15
1209 Letcher, Howard E. (Arch. Office) 705 State Office Bldg., Columbus 15
693 Linch, William E., (Sims Schooley) 2901 N. High St., Columbus (2)
1815 Lowman, Walker B., 3268 Avalon St., Columbus (12)
1864 Loy, William W., 47 W. 9th Ave., Columbus
1272 Malft, Merle R., 319 E. Town St., Columbus (15)
1641 Manley, Lloyd E., 2742 Kensington Pl., West Columbus (2) (USMCR)
982 Marsh, Carl M., 126 N. Warren Ave., Columbus 4
938 Martin, Boyd G., 256 E. N. Broadway, Columbus (14)
792 Martin, Elizabeth E., 1081 Meadowdale Ave., Columbus (19)

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156 Bollinger, Orville F., 1228 Dorr St., Toledo 7

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50 [February, 1953]
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079 Azzarelli, Frank A., 320 N. Post Oak Lane, Houston (24) Tex.
034 Cahill, Paul T., 5456 Callaway Rd., Ft. Worth, Texas
576 Suter, Warren C., P. O. Box 255, Mission, Texas

UTAH
753 Boyer, George H., 586 N. Piedmont St., Arlington (3) Va.
998 Pope, Edward R., Belvedere Hotel Bldg., Salt Lake City (4) Utah
098 Bcal, Bich W., Jr., 1028 E. Third St., South, Salt Lake City, Utah

VIRGINIA
753 Boyer, George H., 586 N. Piedmont St., Arlington (3) Va.
1964 Hoare, Daniel N., 217 Vistaker, Falls Church, Va.
818 Jenkinson, Edgar T., R.F.D. 1 (Box 330), Fairfax, Va.
667 Schott, John R., Seaview St., Bayside (1) Va. (U.S. Navy)
644 Schweickart, Lowell Gray, Box 218 R.F.D., No. 4, Vienna, Virginia
760 Willgoos, Robert A., 300 Montgomery St., Alexandria, Va.

WASHINGTON, D.C.
229 Carlton, William W., Army and Navy Club, Washington (6) D. C.
937 Coughlin, John B., 1021 31st St., N. W., Washington (7) D.C.
788 Holladay, Wallace F., (516 Ring Bldg.) 1200 18th St., N. W., Washington 6, D. C.
484 Mills, Alan B., Riggs, 308 14th St., S. W., Washington (10) D. C.
524 Oberlin, W. Ray, 1306 Holly St., N. W., Washington 12, D. C.
830 Senseman, Donald S., 327 Carroll St., N. W., Washington 12, D. C.
708 Vaughn, Edward L., 21 Galveston St., S. W., Washington (20) D. C.

WASHINGTON
759 Burr, Donald F., 9514 Maple Ave., Tacoma (9) Washington
444 Thomas, Eugene A., 5616 48th Ave., S.W., Seattle 6, Wash.

WEST VIRGINIA
905 Adams, Richard C., 312 5th Street, Williamstown, W. Va.
796 Bennett, Robert J., Monongahela Bldg., Morgantown, West Virginia
939 Bowers, Howard L., 217 5th Ave., Huntington, W. V. (Frampton & Bowers)
333 Brown, George D., P. O. Box 2553, Charleston (29) W. Va.
124 Dickinson, Harold Merton, 225 Waverly Ave., Morgantown, W. Virginia
996 Faris, Frederic, 1107 Chapline St., Wheeling, West Va.
566 Folwell, Jesse D., Citizens Bank Bldg., Parkersburg, W. Va.
(Frampton & Bowers)
193 Hancock, Glenn C., 608 Atlas Bldg., Charleston (2) W. Va.
962 Miller, William F., 705½ Market St., Parkersburg, W. Va.
964 Nay, Harry Ray, P. O. Box 1061, Wheeling, W. Va.
212 Palmer, Clarence C., 1112 Tefft St., Parkersburg, W. Va.
219 Paxton, Kenneth G., Board of Trade Bldg., Wheeling, W. Va.
636 Stark, Donald H., P. O. Box 548, Mount Hope, West Va.
358 Turner, Denver R., 314 Tremont St., South Charleston, W. Virginia
713 Whitehouse, Albert G., 3653 Limberg Way, Weirton (2) West Virginia

WISCONSIN
814 Gauschwitz, Carl Herman, 4933 Tonyawath Trail, Madison (1) Wis.
075 Meyer, Carl Edgar, 8225 West Center St., Milwaukee (10) Wisconsin

This is an amended roster as of February 7, 1953, and is not to be considered as being "official." The official list will be published in the near future in the Annual Report of the State Board of Examiners of Architects.

FOREIGN
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598 Thum, F. Charles, 20 rue Quentin-Banchart, Paris (8) France (ABMC)

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Chalmer Grimm, Jr., and John H. Zoller, Jr., have joined Edward M. Hodgman as Associates in the Office of Robert A. Little and Associates, Architects, of Cleveland, Ohio.

Mr. Zoller graduated in 1950 from Western Reserve University in Architecture, and received the Alpha Rho Chi Medal, after which he worked for Smith and Scherr, of Akron. He is the son of John Zoller, Builder, and has supplemented his theoretical training with practical experience, having qualified as a Journeyman Carpenter after graduation from the Cleveland Building Trades Apprentice School in 1951.

Mr. Grimm is a 1951 graduate of Western Reserve Architectural School, where he won various honors including the Illuminating Engineering Society Prize, the Architects' Society of Ohio Award, and the 1950 Schweinfurth Traveling Scholarship for study and travel in Europe. Before joining Robert A. Little in 1951, Mr. Grimm had previous experience with Bascom Little, Architect, and Paul Mehnert, Electrical Engineer.

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AID TO INDUSTRY

An Ohio research project on engineering design problems in concrete masonry construction is being sponsored by the Columbus Concrete Block Manufacturers Association at Ohio State University under the "Aid to Industry" program which will be conducted by Professor J. R. Shank and associates at the Engineering Research Laboratories, according to O. H. Seeger, president of the Association.

The project gets under way in November, and will be on a continuing basis. Purpose is to provide architects, engineers and contractors with sound structural design and construction procedures for concrete masonry. Anyone desiring to personally witness portions of this research program, should contact Prof. Shank or Chairman Carl Dale explaining what it is they particularly wish to see.

Research committee in charge is Carl K. Dale, chairman, A. G. Cochran, and Robert G. Kern, in addition to Seeger. Cochran is also chairman of the Technical Problems Committee that will handle details of the project for the Association.

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Activities of the Portland Cement association in Ohio and West Virginia are under the direction of a new District Engineer, Harland G. Wood, of Worthington who has succeeded N. O. Wagner, resigned.

A graduate of Case Institute of Technology, Mr. Wood received a B.S. degree in civil engineering. Following his graduation, he was employed for six years by the United Fruit Co. and the Government of Costa Rica on railroad and highway design and construction in that country. From 1929 to 1934 he worked on design and construction of state and county highways in various parts of Ohio and then spent three years as a WPA district engineer before joining the Association.

Mr. Wood is an associate member of the American Society of Civil Engineers and is a registered professional engineer in Ohio. As District Engineer of the Columbus Office, he will direct Association activities in Ohio and West Virginia.

PYRAMID BUILDERS

(Continued from page 22)

bou. The huge, 300-ton aluminum and glass lobby is suspended like a giant weight by cantilever girders from the rest of the building. There is a radical new air conditioning system that cools like a radiant-heating plant; cold water is pumped through small pipes, thus eliminating cumbersome air ducts. The windows are a window washer's delight. Each one is surrounded by an air-filled rubber tire. When the air is let out, the window spins on its axis for easy cleaning. After washing, the tires are blown up again from a small compressed-air tank trundled around on a cart.

Harrison thinks aluminum may become one of the future's prime building materials. Metal is cheaper than stone, also lighter and dryer. Dampness is an old bane of the builder: the use of stone means water for cement, and water is heavy, messy, freezes in winter. Rain soaks through even the best-built stone wall and causes a whole flock of new problems. Harrison has always tried to move forward to something better — even at the risk of being wrong, and in that way, you are certainly ahead of the man who is right and doesn't do anything. Maybe Cheops' architect talked the same way.

THREE-IN-ONE DORMITORIES

(Continued from page 10)

The dormitories have been named for three former presidents of the University, Dr. Wilbur W. White, Dr. Philip C. Nash and Dr. John W. Dowd.

The dormitory buildings are part of an expansion
and construction program of the University of Toledo a municipal institution where 5,179 students are currently enrolled. In process of construction are a building to house the library and the College of Law, the United States Army Reserve Armory which will be available to the institution's Reserve Officers Training Corps program, a heating plant and a vehicle shed. The armory is being constructed as a joint project of the University and the U.S. government. The University, as its contribution, is building the drill hall and the ROTC wing.

The architect for the dormitory construction was Peterson, Hoffman & Grow, of Toledo.