Nothing's a better-looking building investment than the modern concrete masonry wall. Nothing's sounder—especially when reinforced with Dur-o-wal, the engineered steel rod reinforcement with the patented trussed design. Can more than double flexural wall strength, outfunctions brick-header construction. Write to any Dur-o-wal address below for 44-page Armour Research Foundation test report.

**DUR-O-WAL**
Masonry Wall Reinforcement and Rapid Control Joint

**DUR-O-WAL MANUFACTURING PLANTS**
- Dur-O-wal Div., Cedar Rapids Block Co., CEDAR RAPIDS, IA
- Dur-O-wal Div., 260 S. Highland Ave., AURORA, ILL.
- Dur-O-wal Div., Columbus, OHIO
- Dur-O-wal Div., Frontier Mfg. Co., Box 49, PHOENIX, ARIZ.
- Dur-O-wal Prod., Inc., Box 5446, BIRMINGHAM, ALA.
- Dur-O-wal Prod. of Ala., Inc., Box 5446, BIRMINGHAM, ALA.
- Dur-O-wal Prod., Inc., 4500 E. Lombard St., BALTIMORE, MD.
- Dur-O-wal Inc., 1678 Norwood Ave., TOLEDO, OHIO
- Dur-O-wal Ltd., 789 Woodward Avenue, HAMILTON, ONTARIO, CANADA

Strength with flexibility—the two basic factors for a repair-free masonry wall are assured by these intelligently engineered companion products. Dur-o-wal reinforcement, top left, increases flexural strength 71 to 261 per cent, depending on weight Dur-o-wal, number of courses, type of mortar. The ready-made neoprene Rapid Control Joint, beneath, flexes with the wall, keeps itself sealed tight.
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COVER AND FEATURE MATERIAL
The cover and feature material for this month's issue were prepared under the direction of Robert J. Makarious, Jr., AIA, Associate Editor of the Dayton Chapter of the American Institute of Architects.

Copyright 1960 Architects Society of Ohio, Inc. of the American Institute of Architects. All rights reserved.
THE DAYTON ART INSTITUTE represents the interested generosity of the Patterson and Carnell families and the many Trustees, the capable direction of five directors Herman Sachs (1920-22), Theodore Hanford Pond (1922-29), Siegfried R. Weng (1929-1950), Esther I. Seaver (1950-56) and Thomas C. Colt, Jr. (1957-1969), and many dedicated and loyal staff and faculty members.

The late Mrs. Harrie G. Carnell during her lifetime put into this institution much love and several million dollars, since she built the building, which was completed in 1930, and met any deficits which occurred, plus giving much of the Permanent Collection.

The Dayton Art Institute had its beginning in a remodeled residence in the downtown district. In October, 1919 the School of the Dayton Art Institute started its first classes in the then incomplete building. On January 6, 1920, the museum opened in the front part of the building. So rapid was the growth of the school and the museum activities, that by 1926 it was apparent that a new building was needed. A site was chosen at the corner of Forest and Riverview Avenues which, overlooking the river and skyline of Dayton, was next to the new Masonic Temple, then under construction.

An Endowment Fund was started. Mrs. Carnell made the generous offer of matching dollar for dollar whatever sum was raised toward a new building as an endowment. Much enthusiasm was engendered.

Edward B. Greene of Buffalo, New York was chosen as the architect. He had planned the Albright Gallery in Buffalo and the new Toledo Art Museum. Mrs. Carnell and Mrs. Greene concurred in the choice of Italian Renaissance style for the building as suitable to the site and expressive of the warmth and friendliness which Mrs. Carnell desired of the institution. The facade of the building is based upon the triple-arched casino of the world famous Villa Farnese near Caprarola, Italy. The gracefully curved outside staircase is an adaptation of that of the Villa d'Este near Rome. The service building, joined to the main building by a tunnel is in the style of the Italian farm house.

The building, which is five sided, is built around two semi-enclosed cloisters. It is based upon the hexagon, thus providing opportunity for expansion, and is so planned that the addition to the other three sides would not disturb the existence of the cloisters.

The columns in the cloisters, the wrought iron gates from the cloisters to the gardens, a Venetian well-head, which is in the center of the Gothic Cloister all date from the Renaissance period, and were imported from Italy. The red tile in the floor of the foyer and the stairway landing also came from Italy. Before the building was completed an opportunity also presented itself to secure a Chinese pavilion from the Ming Period, which was installed in the building.

The School of the Dayton Art Institute opened in the new and incomplete building in October, 1929. The School had by this time developed into a...
recognized professional art school. In 1947 it reached its peak enrollment of 650 in its three divisions, Day School, Night School, and Saturday Morning School. A Summer School had also been added in 1926. The building was completed, and the Museum opened January 7, 1930. In 1922 the first Circulating Gallery of original paintings was organized at The Dayton Art Institute. This system made available, on a loan basis, works by contemporary artists to members for use in their homes or offices. It has since been widely copied and adapted by other museums and commercial art galleries throughout the United States.

An Educational Department was added in the early 1930's, which filled the gap created by the curtailment in the schools of art instruction. This department grew until in 1955 they served 41,000 children and adults with free tours and classes for children from the third grades through the eighth.

Three series of free concerts—Sunday afternoons in the fall and winter, and Tuesday evenings in the summer in the Italian Cloister, were started when the new building was opened. The Dayton Philharmonic Orchestra was started at the Art Institute in 1933, and continued holding its concerts there until it outgrew the auditorium which seats 525 people.

Previous to World War II, Mrs. Carnell underwrote a project whereby Robert M. Metcalf, head of the Department of Decorative Arts at the Art Institute, and a designer of stained glass window, toured Europe making color slides of the important stained glass in European cathedrals. The result of this project was the most comprehensive record ever made of this important religious art.

In 1944 Mr. Siegfried R. Weng and Mrs. Otto L. Spaeth, at that time a trustee of the Dayton Art Institute, assembled an outstanding exhibition, the first of its kind in American, entitled "Contemporary Religious Art", which brought the Art Institute national recognition.

In the 1930's a room was set aside known as the Modern Room, in which monthly, one-man shows were held by leading modern artists. Exhibitions such as "The Railroad in Paint", "The Artist Paints His Family", "The City by the River and the Sea", "Flight—Fantasy, Faith Fact" also received much national recognition. In 1944 Mrs. Carnell passed on. This circumstance placed the Art Institute in a precarious financial situation. Since Mrs. Carnell's promise in the late 1920's of matching dollar for dollar in a building what the city raised for an Endowment Fund, circumstances had worked against the creation of such a fund adequate to meet the needs of a large program of public and membership events. Started in 1928, many pledges made could not be fulfilled at all or perhaps only in part, due to the Depression. And although some money was raised, it was not adequate to bring in sufficient income for a growing organization. However, Mrs. Carnell had gone ahead with the plans for the building, and not only paid the entire cost of the building, but met any deficit which accured from the active program pursued. She had made it clear, however, that after her death, it would be the responsibility of others to carry the burden of financing the building and its activities.

In 1944, Mr. Weng and the Trustees worked out a program of Sustaining Memberships whereby businesses and industries purchased a block of memberships for the use of their employees. This, together with the income from other forms of memberships, school, rentals of the auditorium and other rooms for meetings and recitals, income from the Endowment Fund, and a yearly contribution from the Community Chest, furnished funds which enabled the Institute to carry on an active program of events. It left, however, no money for repairs on the building,
which of course increased each year.

Fortunately a few years before his death, Charles F. Kettering, famous Dayton inventor, became interested and alarmed at the condition into which this beautiful building had deteriorated because of lack of funds. For several years he gave a stipulated fund towards repairing the damage the years had wrought.

In the summer of 1956, Thomas C. Colt, Jr. the new director, and John Sullivan, Jr., Dayton architect and President of the Board of Trustees, together with Craighead Cowden, Dayton, architect and head of the Art Institute's House and Ground Committee, started a program of renovation. The entire South Wing of the Second floor was closed. The roof and the skylights, which had developed bad leaks were repaired, the walls newly painted, and the collections re-installed. New storages were built. The front of the building, the stone in the Foyer, and the marble in the Sculpture Court were all cleaned through sandblasting. The walls of the Sculpture Court and South Wing were painted, and the exhibition material re-installed. A museum's problem of compatible synchronization of the old and the new—of the objects of today and the objects of yesterday being brought together—was worked out harmoniously.

The South Wing on the first floor was remodeled with one large office, formerly the Circulating Gallery, being converted into four small offices, a mailing room and a supply room. The Circulating Gallery was moved into the long south corridor, formerly used for exhibitions, where current works from the Gallery may be shown. A small Information Desk made from ornately carved wood from the Renaissance Period, was replaced by a large modern Sales Desk. Space under the staircase was made into a storage for the Sales Desk. Modern davenports, chairs and tables replaced the Renaissance chairs and benches formerly in the Foyer.

In the summer of 1959 the North Wing of the second floor was renovated. Leaks and the damage caused by them were repaired and the walls painted. This wing has always been used for current exhibitions, and the South Wing for the Permanent Collection.

At present, the Library housed in the north wing on the first floor in the section of the building used by the School, is preparing to expand into an adjoining room, thus using one large room and two small rooms to house its 6,000 volumes of art and architectural books. Plans are being made to renovate and enlarge the schools facilities in the future.

An interesting feature of the Library of the School of the Dayton Art Institute is that its architectural Library was started by the acquisition of the very fine library of the late Louis J. P. Lott of Dayton, well known architect, who willed his books to the Dayton Art Institute. This library has been increased through a memorial fund administered by the Dayton Chapter of the American Institute of Architects in memory of Walter Schaeffer, Dayton architect.
The Professional Corporation Act, which was passed during the last session of the Legislature, is not an association with attributes of a corporation, or a corporation designed to operate as an association but is a straight corporation with few variations from the general corporation laws of Ohio. It is these few variations which the author believes keeps the professional corporation in conformity with the high ethical standards as established by the various professions in this state. The Act provides that only professional persons may be shareholders in the professional corporation. It also provides that a list of shareholders must be filed with the Secretary of State annually. The Act further provides that professional services may only be provided by the corporation through duly licensed professional persons, all of like profession. This Act does not provide in any manner whatsoever that several professions may inter-mingle in a single corporation. It is a common misconception that corporations must have three shareholders. This is not true, and this Act, like the general corporation laws of Ohio, provides that a single shareholder may maintain a professional corporation.

This particular Act in no way attempts to discipline any of the professions, inasmuch as each of the professions now is provided with adequate measures to discipline themselves. If the Act provided for discipline of the professions, it would create a condition of dual authority, confusion, and a possible breakdown of the high standards of the individual professions.

The primary purpose, however, of the Professional Corporation Act was to provide the same federal income tax benefits to the professional person that have always been available to the ordinary business corporation. Let us first think in terms of the individual professional person in corporate structure as being an employee of the corporation. The corporation is an entity of itself and is the sole employer of all persons associated with the corporation, even if it is a corporation of a single professional stockholder who is active in the corporation. From this point on, when we speak of pension plans and profit-sharing plans available to the employee, you must remember that you, the professional man, are an employee of the corporation.

Professional corporations operate much the same as do business corporations. Executives, be they shareholders or not, are placed on a certain salary and profits of a professional corporation are calculated in the same manner by taking gross income and deducting all expenses, including salaries of all employees. A profit-sharing plan is a device whereby a certain percent of the corporate profits up to 15% of salaries is set off into a trust fund. This is deductible by the corporation from its federal income tax return, but is not included in the individual employee's (including the professional) income tax return. These trust funds may be invested in the discretion of the trustee, and income from the investments are exempt from federal taxation. You can readily see that in the first instance the tax-free money that was put into the trust would have otherwise been taxed at your personal income tax level. In addition, income from such monies as you individually could save after taxes would be taxed at your personal income tax level, but funds in the profit-sharing trust, and income therefrom, are not subject to federal income tax. If this sounds to you like a fantastic device, you are right — it is a fantastic tax-saving device. It not only is a tax-saving device, but the federal government encourages corporations to enter into such devices, so that persons may be able to provide for their own retirement and not become public charges. Profit-sharing Plans and Pension Plans are not tax loopholes, nor tax avoidance. It is simply good business planning for your own retirement, and it is part of the federal tax law, and if you are not intending to take advantage of it, then you are not, in a business-like manner, planning for your own retirement.

Let's assume that John Architect is thirty-five years old, has a net professional income of $30,000.00 per year, which will remain constant throughout his professional career. John has deductions and exemptions of some $5,000.00, offsetting this income. John's income tax level is 31%, so he pays $9,300.00 in income taxes. This is before the corporation makes a contribution to John's profit-sharing trust. If John's corporation deducts $12,000.00 to John's trust, the corporation will save $3,600.00 in federal income taxes. The $12,000.00 in the trust is not included in John's income tax return, but is income to which John is entitled. This $12,000.00 is not subject to income tax, and is therefore available for retirement planning, and it is part of the federal tax law. It is not included in the individual's income tax return.

As a professional man, Senator Metcalf is aware of the tax inequities imposed upon all professionals. This awareness, coupled with his desire to do something about it, resulted in his authorship of S.B. 550, which he explains in the accompanying article.

Senator Metcalf is a partner in the law firm of Robins, Metcalf and Preston, located at 5 East Long Street, Columbus.
ting his net professional income. This brings his taxable income to $25,000.00. He requires $20,000.00 for his yearly living expenses, and anything left he can invest or pay income tax with. He is a member of a three-partner architectural firm. The three form a professional corporation under the Ohio law and inaugurate a profit-sharing plan. Now, instead of the $30,000.00 net professional income which John did have, he sets his salary at $26,000.00 and a contribution to the profit-sharing plan of $3,900.00 per year. He winds up with the same amount of money for living expenses but a drastically different long-range investment picture.

For comparison in the tax advantages to be obtained in various salary ranges, the chart below has been computed to the nearest $50.00, and you will note that a hypothetical income of only $5,000 has been used. This, of course, is a very conservative approach. The greater the income, of course, the greater the overall tax savings; but as you can see, it is equally applicable to the man making $5,000.00 as it is to the man making $30,000.00, even though it has a far greater benefit with the larger income man.

This isn't even the whole story. Suppose John were to have died before having had the opportunity, or finding it necessary, to withdraw the monies from the profit-sharing plan. Monies paid to his beneficiary normally would not be taxable in his estate. Under an individual practice, even after he has paid individual taxes throughout the years on his accumulation, it would be taxable in his estate. At the lowest estate tax bracket, and assuming that he has other assets, the $129,000.00 accumulation might very well be taxed at ten to fifteen percent. As your in-

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<thead>
<tr>
<th>Example I</th>
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<tbody>
<tr>
<td>Individual Practice</td>
<td>Corporate Practice</td>
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<tr>
<td>$30,000</td>
<td>$26,000</td>
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<td>$5,000</td>
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<td>$25,000</td>
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<td>7,230</td>
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<td><strong>$129,833</strong></td>
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<td><strong>$129,833</strong></td>
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### Example II

#### Comparative Build-up of Retirement Benefits

**ANNUAL COMPENSATION**

<table>
<thead>
<tr>
<th>Profit Sharing Plan</th>
<th>Cash Bonus Plan</th>
<th>Profit Sharing Plan</th>
<th>Cash Bonus Plan</th>
<th>Profit Sharing Plan</th>
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<th>Profit Sharing Plan</th>
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<tr>
<td>$5,000</td>
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</tbody>
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| 15% EXTRA To Profit Sharing Trust |
| Direct to Employee |
| $750 | $2,250 | $3,750 | $7,500 |
| $750 | $2,250 | $3,750 | $7,500 |

| ANNUAL |
| Allocation in Trust |
| Cash after Tax |
| $750 | $2,250 | $3,750 | $7,500 |
| $600 | $1,550 | $2,150 | $2,950 |

| 20-YEAR |
| Accumulation in Trust |
| Cash Payments |
| $15,000 | $45,000 | $75,000 | $150,000 |
| $12,000 | $31,000 | $43,000 | $59,000 |

| 3% INCOME Compounded Tax Free |
| Compounded after Taxes |
| $5,150 | $15,450 | $25,750 | $51,550 |
| $3,050 | $8,700 | $9,850 | $10,850 |

| Total Accumulation in Trust |
| Cash After Interim Taxes |
| Cash in Your Hands |
| After All Taxes |
| $20,150 | $60,450 | $100,750 | $201,550 |
| $15,050 | $39,700 | $52,850 | $69,850 |
| $50,600 | $50,600 | $50,600 | $50,600 |

| TAX ADVANTAGE |
| $3,450 | $10,900 | $28,850 | $82,450 |

(Continued on Page 11)
Inside or outside the sanctuary, wall patterns do much to establish a spirit of worship. By his personal design skill, the architect creates this feeling of reverence. The one building material which assures the architect complete scope of expression comes from the earth itself. It is the imaginative material . . . BRICK & TILE.
PAC is a group of the nation’s leading regional architectural publications, serving all major markets. All PAC publication members are official magazines of AIA component organizations. Individually, they offer highly intensive saturation of a specific market. Combined, they offer national exposure and at the same time, reach the market at the level where sales are born.

Only regional architectural publications are edited to regional interest. Each PAC editor is a dynamic influence within the geographical framework of the area his journal covers. Familiar with every architectural office, knowing every local manufacturer and practically every national manufacturer’s representative; the Regional Editor is in the enviable position of knowing and studying the problems relative to his area. The Regional Editor builds constant readership year after year. And only the Regional Editor enjoys the closeness with his readers of the small town newspaper.

More than 50,000 of the nation’s leading architects, engineers, contractors, specification writers and buyers of construction products. In other words PAC member magazines are read by the people who design, specify, and build the nation’s Buildings.

Ernest Pickering, dean of the College of Applied Arts.

Native of Norway, Professor Egeland-Eriksen received his Bachelor of Architecture from the University of Durham. He served one year in the Norwegian army.

Professor Egeland-Eriksen is particularly interested in civic design in architecture. He has worked in the city planning field in Norway.
come goes up, of course, the beneficial use of a profit-sharing plan is greatly increased. However, no matter how low your income might be, if you have a savings plan in mind, it can be best accomplished through a profit-sharing plan and it is not necessary that you be in high income tax brackets to realize the benefits of a profit-sharing plan. Let's take, for instance, the example of an architect who is making $7500.00 per year, is struggling to make payments on his mortgage, and does not feel that he has money which can be set aside in a profit-sharing plan—he can benefit through the use of a professional corporation, in that his disability insurance can be tax-deductible through the corporation, or group life insurance purchased on the lives of the employees of the corporation in ratio to their annual salary is fully tax-deductible.

Although the State Professional Corporation Law does not exempt you from personal liability for mistakes which you have personally made in your professional conduct of the business, it does exempt you from liability, personally, for mistakes made by your associates; and it does exempt you from personal liability for the contractual obligations of the corporation. Many professional groups will elect to become incorporated solely from the standpoint of protection against liability for errors committed by their associates and for being able to enter into large projects without risking their life savings in doing so. This article does not intend to set forth all of the many advantages to corporate practice, but your individual problems can best be solved by your tax lawyer. In order to initiate a professional corporation and obtain the best results possible, it takes teamwork between your tax lawyer, your accountant, your insurance man, and your investment broker. All of them must be highly skilled in the field of taxation and corporate law. Most investments take time to mature before profits can be had, but an investment in competent tax advice almost invariably results in an immediate profit to the taxpayer.
The 104th General Assembly of the State of Ohio established a number of new records and more are expected to be set when the Legislators return this fall. It may be that the 104th Assembly will be the first to inaugurate annual sessions, even if not by design, this year. The state law makers introduced nearly 100 more bills than two years ago. The Senators introduced 591 bills and the Representatives introduced 1,122 for a grand total of 1,713. This year’s total will undoubtedly be swelled on their return next November 14.

In the veto department, Governor DiSalle has probably set a all-time record with his item by item veto of the appropriations bill. He has vetoed more than 1,000 items mostly covering appropriations in the second year of the biennium. Other than the partial veto of the appropriations bills, he vetoed 23 other bills. Two years ago, he vetoed 22 bills. The Assembly has overridden 8 of these vetoes, while 8 have been sustained through voting action and another 7 through indefinite postponement.

So far this season 380 bills have passed both houses and have been filed with Secretary of State Ted Brown for enactment into law. By comparison, in 1959, 374 bills were filed while in 1957 and the special session in 1958, 338 bills were filed.

Governor DiSalle recently conferred with Senate majority leaders, C. Stanley Mechem, and both men agreed to a special session devoted to the emergency items contained in the AM. H.B. 1120, more commonly referred to as the Capital Improvements Bill. They agreed that the time of the special session should be sometime between Labor Day (September 4) and the middle of September.

State Finance Director, Magoon, stated that the following items in the Capital Improvements Bill would be effected immediately: Public school buildings, 10 million; 15 million in over-all projects throughout the state; BUC office buildings and other projects of emergency nature.

Attorney General Mark McElroy recently ruled that the $29 million appropriated for capital improvements by the 103rd General Assembly would remain available for incumberment until July 1, 1963. This may affect the possibility of a special session in September.

The following bills will be of general interest to the profession of architecture throughout Ohio. Of particular interest is AM. S.B. 550, which is explained in some detail by the author of the bill, the Honorable Richard B. Metcalfe, Senator from Columbus, elsewhere in this issue of OHIO ARCHITECT magazine.

A special report has been issued to members of the Architects Society of Ohio relative to S.B. 340, pertaining to proposed amendments to the architects registration law.


Cleveland Builders Supply Co.
Promotions and Appointments

(L. to R.) B. E. Loftus was elected Assistant Treasurer. Warren Bucher was appointed Director of Purchases. Gordon D. Gill was elected Treasurer and succeeds Guthrie Bicknell (seated). Mr. Bicknell was elected Vice President in charge of Administration, in addition to his duties as Secretary.

In accepting the vice presidency Guthrie Bicknell said "The new CBS management team represents 50 years of combined experience in supplying building materials to the construction industry. We hope to continue our aggressive merchandising program for 1961 and maintain a competitive position in northeastern Ohio's growth that is the heart and life blood of the building industry."

Specifying
The NEW

AUTOCYCLAVE

CONCRETE BLOCK

• New Chemical Structure
• Less Volume Change
• Stronger & Tougher
• Less Leaching-Efflorescence
• Drier
• Lighter in Color
• Less Shrinkage
• Quick Strength

for highest quality concrete masonry

NATIONAL Cement Products Co.
2930 Wayne Street, Toledo 9, Ohio

RAMCO KLEER-VU ENTRANCES and WINDOWS

FABRICATED IN STAINLESS STEEL
An application of stainless steel for church design.

Our Lady of Lourdes—Cincinnati, Ohio

Maguolo & Quick—Architect

Extra perfection in styling and construction means lasting quality. Gleaming Stainless Steel maintains "brand new" appearance for years and years.

WRITE FOR CATALOG AND DETAILS

THE RELIANCE ART METAL CO.
601 WEST McMICKEN • CINCINNATI 14, OHIO
Craftsmen in Stainless Steel, Bronze and Aluminum
The 1961 Convention Committee, under the chairmanship of Howard B. Cain, is hard at work planning an exceptional program of events that will appeal to all architects.

The Ladies’ Committee, under the direction of Mrs. Helen Duer, has already developed a program for the wives of architects that will insure an educational and entertaining time.

A new time concept has been introduced into the 28th Annual Convention and educational Exhibit of Building Products. Realizing that time is valuable to practicing architects the Committee has selected the dates of October 19, 20, 21, Thursday, Friday and Saturday for the Convention. Officially the Convention commences at 5:00 P.M. with the Exhibit opening and is followed by the “Ice-Breaker” get-together, a social and entertainment party for architects, wives and exhibitors on Thursday evening. The Convention will adjourn on Saturday afternoon but a grand theatre party has been planned for Saturday eve by Alex Robinson III for those wishing to remain.

The re-scheduling will require that the busy architects miss only one day from their work-week and will permit many to attend on Saturday that cannot attend on a week-day.

All in all, everything points to an outstanding 28th Annual Convention — so be sure to hold these dates open and save enough $ from the vacation fund to attend!

General Convention Chairman Cain has appointed the following architects and persons to his various Committees:

**HONORARY CHAIRMAN:**
Gilbert Coddington
ASO Pres.

**EXECUTIVE COMMITTEE:**
Howard B. Cain
Gen. Convention Chrm.
Mrs. Robert C. Gaede
Robert N. Yoder
Robert P. Madison
Alexander Robinson III

**PROGRAM COMMITTEE:**
Robert C. Gaede, Chrm.

**REGISTRATION:**
Mrs. Robert N. Yoder, Chrm.

**ICE BREAKER & THEATER PARTY:**
Alexander Robinson III, Chrm.

**BREAKFASTS, LUNCHEONS, AND BANQUET:**
Milo Holdstein, Chrm.

**TOURS & TRANSPORTATION:**
Robert Duer, Chrm.

**HOTEL LOBBY EXHIBIT:**
Robert P. Madison, Chrm.

**PROMOTION:**
Robert N. Yoder
"Where Food Is Finest...
It's Cooked with GAS!"

Yes, even in Columbus' intriguing and exotic new Polynesian restaurant — Kahiki — Gas is the preferred cooking fuel.

A Modern All-Gas Kitchen functions efficiently and obediently behind the scenes of this fabulous new million dollar supper club to offer guests a unique menu of more than 30 Cantonese dishes and two dozen American entrees.

"The versatility, convenience and cleanliness of Natural Gas, along with the decided economy factor, make it ideal for a varied operation such as ours," says Philip C. Chin, executive chef at Kahiki.

Gas-fueled luau torches are a "natural" for Kahiki; and the towering Easter Island heads are crowned with fiery halos created by Natural Gas.

Restaurateurs Leland Henry and William Sapp also installed Gas Heating and Gas Water Heating.

ARCHITECTS..........................SOUNIK & ELLER, COLUMBUS

Take a tip from Central Ohio's most talked-about new restaurant. Specify Gas for all the heating, cooking and water heating needs of your clients.

A Gas Company representative will be happy to work with you in selecting Gas Equipment best suited to your client's needs, or to assist with any installation problems you may have. This service is free, of course. Just contact our nearest office.
How Armstrong Acoustical Fire Guard cut ceiling costs on this Ohio school by 53¢ a square foot. Saved: $56,069

On the left you see a Helmut Jacoby rendering of the new Valley Forge High School, Parma Heights, Ohio. To meet the specifications of Architects Fulton, Dela Motte, Larson, Nassau & Associates, of Cleveland, ceilings in the school had to perform two major functions — provide acoustical treatment and meet a two-hour fire code requirement.

Specifications called for Armstrong Acoustical Fire Guard or an alternative of acoustical tile cemented to plaster. The firm which was awarded the contract submitted a bid showing that Acoustical Fire Guard would cost $56,069 less than the alternate. This represented a saving of 53¢ per square foot since 105,000 square feet of Acoustical Fire Guard ceilings were specified.

Widest Range of Time-Design Ratings

Acoustical Fire Guard, available in both 12 x 12 inch tile and 24 x 48 inch lay-in units, offers you more than significant savings like this. To date, eleven different floor and ceiling assemblies incorporating Acoustical Fire Guard ceilings have been tested at Underwriters' Laboratories, Inc. Ratings of from one to four hours are available within these eleven assemblies. Therefore, Fire Guard offers you the widest available range of UL time-design ratings for fire-retardant acoustical tile and lay-in ceiling systems.

Accepted by Code Authorities

The variety of floor-and-ceiling assemblies, incorporating Acoustical Fire Guard ceilings, will suit most forms of construction. This gives you more flexibility in the selection of UL rated fire-retardant acoustical ceilings. Since Acoustical Fire Guard has been meeting rigid fire code requirements across the nation for more than two years, it is widely recognized by local fire code authorities.

Also, Acoustical Fire Guard tile and lay-in units can be combined effectively in different areas of the same project. This is because both offer the popular Fissured and Classic surface patterns. And the factory-finished surface requires no painting and a minimum of maintenance.

Phone Your Armstrong Acoustical Contractor

From one construction project after another comes proof that Armstrong Acoustical Fire Guard can sharply reduce your ceiling construction costs. To learn more about how Acoustical Fire Guard will meet your design requirements, and at the same time save money, call your Armstrong Acoustical Contractor (he's in the Yellow Pages under "Acoustical Ceilings"), your nearest Armstrong District Office, or write to Armstrong Cork Company, 4208 Quay Road, Lancaster, Pa.

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<tr>
<th>FIRE GUARD LAY-IN</th>
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Armstrong ACOUSTICAL CEILINGS

First in fire-retardant acoustical ceilings
no artificial lighting required during daylight hours

Use Natural Light

with Aisyntite Panels

Views of Allegheny Contracting Industries, Inc. repair shop showing The Levinson Steel Company's installation of Aisyntite superglaze panels in skylights and sidewalls. Glazing panels in overhead doors, in addition, helps provide enough natural light to make artificial lighting of any kind unnecessary.

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Certification of Municipal Building Departments
Effective September 29, 1961, sections 3781.03 and 3781.10 of the Revised Code will provide that municipal building departments be certified by the Ohio Board of Building Standards before pre-empting the field of building inspection. This does not affect those departments exercising enforcement authority over one, two and three-family dwellings only, and certification is not required for such departments.

The Ohio Board of Building Standards will hold a public hearing on September 14, 1961 at 10:30 A.M. in Hearing Room No. 2, Ohio Departments Building, 65 South Front Street, Columbus 15, Ohio, for the purpose of adopting regulations for the certification of municipal building departments. These are regulations adopted in 1960 for the certification of county building departments, revised to include municipal building departments. Copies of the public-hearing draft of the proposed regulations are available at the office of the Board of Building Standards, 813 Ohio Departments Building, Columbus 15, Ohio.

The hearing will follow the public hearing on Group XV amendments which begins at 9:00 A.M. It is anticipated that the regulations for the certification of municipal and county building departments will be filed with the Secretary of State to become effective to coincide with the effective date of legislation.

The Board will issue a temporary certification to municipal building departments in existence prior to September 29, 1961. Temporary certification will be withdrawn for municipal building departments not making application for regular certification by December 1, 1961.

NEW IDEA FOR BATHROOM

The Legend by Kohler Co. serves as a combination lavatory-dressing table. Saves space — lends a touch of luxury to the bathroom.

The new Champlain water closet by Kohler — only 19 inches from the floor to the top of the tank — is positioned so that it can also serve as a seat for the Legend dressing table.
AMWELD APPOINTS DISTRICT MANAGER

The appointment of David W. Flickinger as district manager for the Amweld Building Products Division, Niles, Ohio, was recently announced by James R. Doran, Manager of Sales. In his new position, Mr. Flickinger will be responsible for building product sales in Michigan, Indiana, Kentucky and western Ohio. He will be headquartered in Detroit.

Amweld, a division of the American Welding and Manufacturing Company, Warren, Ohio, makes a complete line of steel doors and frames for commercial and industrial applications. Mr. Flickinger brings to his post a background of some nine years' experience in the sale of metal door products. He attended Kent State University, Kent, Ohio, and served with the U. S. Navy in World War II.

DESIGNERS AND BUILDERS' PLANS FOR THE 1967 MOSCOW WORLD FAIR

By Yuri Dykhavichny,
Chief Designer of the Moscow Construction Bureau

In May 1967 the pavilions of the World Fair to be held in Moscow will receive its first visitors. Several groups of Soviet architects and designers are working on the architectural concept of the Moscow Fair. Soon they will be joined by their foreign colleagues.

The size of the fair is not the only aspect that complicates the problem of construction; moreover, it is important to foresee the progress to be made by science and technology in five to six years. Recently the Shchusev Museum in Moscow organized a display of preliminary projects and plans for the arrangement of the pavilions. These were just the first sketches, the first attempts. Nevertheless, in many respects they determine the general trend.

Modern concepts in engineering techniques envisage large spans and the covering of considerable area without intermediate supports. Among the projects there are several rather original buildings with structural elements of a new type, making it possible to cover support-free spans up to 500, 600 and even 700 meters, whereas today there are only 100-200 meter spans in unique buildings.

The supporting structures will be made of highly durable and very light materials with good heat insulation properties. High quality steels with a rated tear resistance of 30,000 to 40,000 kg. per sq. cm., synthetic materials and transparent plastics for the roofs of the pavilions, as well as polymeric decoration materials will be widely used in these buildings. And, of course, pre-fabricated ferro-concrete structures will also be represented.

On the day of the opening and on holidays a sodium cloud will be cast over the site at a height of 200-300 meters, which will illuminate the Fair with unusual silvery light. The scientists are working on the problem of keeping the blue sky permanently open while the Fair is on.

In this way the organic combination of architectural art, new construction techniques and the latest achievements in physics and chemistry will help to determine the concept of the future World Fair in Moscow.
The Andersen Window that solved two problems in this Michigan Motel

Need for large window areas plus insulating effectiveness met with Andersen Gliders

To take advantage of the view without sacrificing natural ventilation, Architect George Lytle selected Andersen Gliders—the picture windows that glide open sideways. But, Andersen Gliders also helped solve the heat loss problem. Each unit is electrically heated—controlled in the unit and from a master control panel in the office. Temperatures in each unit can be lowered as guests leave, raised as guests arrive—all from the office. Saves on the heating bills. And, Andersen Windows, with the natural insulating qualities of wood plus their weather tightness (about 5 times industry standards) serve perfectly.

Andersen Windows offer you maximum design flexibility for any light construction project: 7 kinds of windows, 30 different types, 685 cataloged sizes.

Check Sweet’s File or write for Detail catalog and Tracing detail files. Andersen Windows are available from lumber and millwork dealers throughout the United States and Canada.

GET SPECIFICATION DATA ON Andersen Windows FROM THESE OHIO JOBBERs:

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'CEILING IS BELIEVING' This thermostat, as well as others in a large Midwest department store, is hanging from the ceiling. Minneapolis-Honeywell engineers, who selected the unique location in preference to placing temperature sensors in an air duct, said it provides more accurate temperature control and also keeps the devices out of the shoppers' way. The pneumatic thermostat is mounted on the end of a standard Prescolite lighting fixture. Pneumatic tubing replaces the wires inside the fixture. Retention of the fixture's swivel head makes it possible to set the thermostat at any desired angle. The unit can be hung from a discharge grille or a standard four-inch electrical box. Honeywell also has installed ceiling thermostats in a Midwest office building where movable partitions precluded the conventional wall-mounting.
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Scheduled for completion this fall, the men's gymnasium at Indiana State Teachers' College in Terre Haute is attracting special interest because of its long roof span. With a prestressed folded plate concrete roof extending 163 ft. (155 ft. between columns), it is believed to be the longest single span structure of this kind yet built.

The column-free design is of particular advantage for a gymnasium, allowing flexible space for various sports and an unobstructed view for spectators. An area 210 ft. by 155 ft., which will normally be used as three gyms for physical education classes, can be converted into one large room for inter-collegiate basketball games and similar events. Telescopic remote-controlled 30-row bleachers will pull out over two of the gym floors to provide seating for 5,000 people.

An adjoining structure will provide space for three classrooms, fourteen offices, a 72x49-ft. gymnastics floor, a 49-ft. square wrestling and boxing area, and a 75-ft. long Olympic size swimming pool.

In addition to functional advantages, the combination of folded plate design and prestressing is proving economically attractive. Cost of the roof installed is approximately $6.36 per sq. ft.

The folded plate design consists of eight configurations 26 ft. across and 11 ft. 6 in. high, extending crosswise of the building. To get maximum reuse of forms, a 12-in. construction joint was located in each top flange, and the closure strip cast after the adjoining sections were placed and tensioned. The top and bottom flanges are 12 in. thick, while the inclined sections are 6½ in. thick.

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Because the above headline was too long to spell out, it had to be abbreviated. It means: SOME LUCKY ASO ARCHITECT AND WIFE WILL FLY TO NEW YORK VIA AMERICAN AIRLINES BOEING 707 FOR A WONDERFUL WEEK-END AT THE WALDORF.

Among the many wonderful prizes and surprises in store for architects attending the 28th Annual Convention and Building Products Exhibit in Cleveland, October 19, 20, and 21, this prize is the grandest of them all.

The ASO Convention Committee has made these arrangements which will be a truly fabulous prize for the winning architect. Conditions are:

You must attend the Convention.
You must visit as many exhibitors as possible.
You must be present to win.
You must be an ASO member.

Don't forget to reserve the dates October 19, 20, and 21 for the Annual ASO Convention at the Statler Hilton Hotel in Cleveland.

Edison Names E. J. Smith
Architectural Assistant

E. James Smith, 2823 Northwood Ave., has been named architectural assistant in the Toledo Edison Co. home planning center. He was formerly on the staff of Bellman, Gillett & Richards, Toledo architects and engineers.

In his new post, Mr. Smith will assist Edison customers in the design of kitchens and other residential rooms with emphasis on wiring and electrical services. He is an arts graduate of Ohio University and is a member of Toledo Chapter, American Institute of Architects.
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CHAMPS RETAIN TITLE

The AIA Team retained its championship of the Columbus Architectural Bowling League with a convincing playoff over Brown, Brubaker & Brandt and Dan A. Carmichael.

Top pressure bowling by the champs has proved too much for the league over the last two years but the competition has been close and spirited all the way. Captain and sponsor Loren Staker was ably assisted by Bob Yoakum, Dan Sims, Harry Collier and Jack Bachtel in the title drive.

Other highlights of the 1960-61 season, were the emergence of league President Bob Webb as top bowler and the fine 3117 series and 8th place finish in the City Tournament by the Carmichael squad.

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Walls are stacked concrete blocks with burnt brick cornice band. Copper facia trims Flexicore roof overhang.

Low Cost Materials Make Handsome Building

Low cost materials, left in their natural finish were incorporated into the Middletown Ohio Service Building and Garage. Included were concrete block, brick, redwood, copper, and Flexicore roof slabs. The building has been nationally recognized as an example of achieving good design in a type of structure often neglected. Architect was Harold Goetz, Jr. of Middletown. The Flexicore roof was manufactured and erected by Price Brothers Company, Dayton, Ohio.

Underside of Flexicore roof slabs exposed in garage area for clean, crisp ceiling treatment.

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