PRESIDENT
THE AMERICAN
INSTITUTE OF ARCHITECTS
A. G. ODELL, JR.
Available in July...

from

Arnold Stone Company

**Prestressed Span-Deck**

For fast installation of acoustical concrete ceilings and floors

Prestressed Structural Floor and Roof Slab System

1. True, clean edges and joints.
2. Satin finish soffit . . . beautifully textured.
3. Four feet wide, eight inches thick . . . cut to length.
4. Lightweight . . . only 45 pounds per square foot.
5. Two-hour fire rating . . . Underwriters approved.
7. Efficient erection service by manufacturer.

**ARNOLD STONE COMPANY**

Box 3346   668-2427 / Greensboro, North Carolina
JUNE 1964
VOLUME II
NUMBER 6

CONTENTS

President's Message ........................................ 4
A Salute to the President of AIA .......................... 7
Public Library of Charlotte & Mecklenburg County ........ 8 & 9
Garinger High School, Charlotte .......................... 10 & 11
Charlotte Memorial Hospital ............................... 12 & 13
Wachovia Bank & Trust Co., Raleigh ....................... 14 & 15
Program for NCAIA Summer Meeting ....................... 18 & 19
New Members of NCAIA ...................................... 21
AIA Announces 1964 Honor Awards .......................... 22
News Items ................................................... 25
Directory of Salesmen's Products ........................... 27
Calendar of Events ......................................... 28

Cover photo courtesy The Charlotte Observer
As I am sure that all of you know, one of our members, A. G. Odell, Jr., FAIA of Charlotte, was installed as President of the American Institute of Architects at the National Convention of the AIA in St. Louis on June 14-18. This is a tremendous achievement of which the North Carolina Chapter may be justly proud. Gouldie is the first southerner to be so honored in the history of the Institute.

Our Publications Committee is featuring Gouldie and some of his work in this issue. I would like to confine my remarks here to commenting on the leadership qualities which he exemplifies and on the importance of developing good leadership within the profession. We can’t all be President of the Institute, but we can contribute to the profession and to our respective communities in many other ways.

Numerous convention programs, reports, and discussions on the subject of public relations for the architect have emphasized the fact that architects should be active in community affairs. As professional men, they are well educated and through the nature of their work should be sensitive to the well-being of the community. Community service should include holding public office, serving as officers or committee chairmen for Chambers of Commerce and various civic organizations, and serving on public boards and commissions. Architects are particularly well qualified to serve on planning commissions, zoning boards, and re-development commissions. A great deal of emphasis is being placed on the need for consideration of the third dimension in planning and the architect must play a vital role in this.

Architects who are active within the profession and within the community are often the most successful ones. Although the architect’s ethics rightfully do not permit advertising, continued community activity will keep his name before the public. The architect who is willing to give time to the profession and to the community is recognized by prospective clients as one who gets jobs done. The client feels better about putting his plans in the hands of a person with this reputation.

I am often approached by architects who indicate that they would like to serve the Chapter in some way, but are not given the opportunity. All are assigned to committees and this is the place to start. Committee chairmen invariably report to the Board of Directors that particular individuals have been active and interested. These are the ones that are picked for leadership roles in the future. Once assigned a responsibility, it is important that it be fulfilled.

The response of the membership this year to getting jobs done has been terrific. I was particularly pleased with the attendance at our Committee Workshop meeting in Raleigh in April. I am convinced that the North Carolina Chapter has the potential for furnishing political, community, civic and professional leadership in our state.

[Signature]
beautiful practical ceramic tile
Ceramic tile by Mid-State is a basic consideration. Mid-State’s colorful line allows you unlimited design possibilities, and the convenient Lexington plant and Charlotte warehouse mean fast, dependable service. Tile is ready for shipment and on the job site when you need it. This service and quality has made Mid-State one of the South’s largest producers of ceramic tile. See our catalog in Sweets or write for your free copy today.
For the first time in its more than 100-year history, The American Institute of Architects has installed a Southerner as President—Arthur Gould Odell, Jr. of Charlotte. Odell took office at the annual convention of the Institute held in St. Louis, Mo., June 14-19.

Arthur Gould Odell, Jr. comes to his present office well qualified to serve as president of his professional organization, with a background as an administrator and outstanding designer. The North Carolina native was born in Concord, attended Duke University, graduated from Cornell University College of Architecture, and attended Ecole des Beaux Arts in Paris. In 1940 he established the firm of A. G. Odell, Jr. and Associates in Charlotte where he maintains his office at 102 West Trade Street.

Serving as President of the North Carolina Chapter AIA from 1953 to 1955, as chairman of a number of committees and a member of the Executive Committee, Odell was elected Director of the South Atlantic Region AIA in 1959, which post he ably filled until 1962. Then followed service as Second Vice President of The American Institute of Architects 1962-63, First Vice President 1963-64 and his present position of President to serve until 1965.

Odell designed buildings dot the landscape of North Carolina and many of these structures have won national, regional and state awards. Among these, the Concordia Evangelical Lutheran Church, Conover, was awarded a national citation for distinguished architecture by the Copper and Brass Research Association and an Award of Merit from the N. C. Chapter AIA. The Double Oaks Elementary School, Charlotte, received awards of merit from the state and national AIA and won the Better Schools Competition conducted by school executives. Among other buildings receiving awards are R. J. Reynolds Tobacco Company's Whitaker Park, Winston-Salem, and Saint Andrews Presbyterian College, Laurinburg. Odell's firm has recently completed the 12-million dollar Baltimore Civic Center, Baltimore, Maryland.

It is with much pride and affection that the North Carolina Chapter, The American Institute of Architects, dedicates this issue of SOUTHERN ARCHITECT to Arthur Gould Odell, Jr. and presents on the following pages four outstanding Odell designed buildings.
architect:

A. G. ODELL, JR. AND ASSOCIATES

PUBLIC LIBRARY OF
CHARLOTTE AND MECKLENBURG COUNTY
The L-shaped site for the Public Library of Charlotte and Mecklenburg County borders downtown, corner property that the Library was unable to acquire. It is hoped that eventually the City will purchase it and convert it into a landscaped-park approach to this important public building. In addition to the customary facilities, this central library services and controls nine branch libraries and several bookmobiles.

Much of the plan form derives not only from the site shape but also from the architect’s wish to preserve two fine old trees on the property. To do this, a recessed, landscaped area is provided at the main entrance and a peaceful interior court is introduced. The main entrance front, facing North Tryon Street (opened and glazed so that the entire main floor becomes a showcase), is bordered by an alleyway that leads back to connect with a covered and heated bookmobile-service dock, tunneling through the entire structure from the alley to the Sixth Street front of the building. This latter front also contains a secondary entrance to the air-conditioned building, with off-street vehicular drive, where issuance of projectors, record players, motion-picture screens, etc., is handled—"a type of drive-in window service," as Odell describes it. Both here and at the main entrance are slots for after-hours return of books.

Requirements for the present were to house 500,000 volumes, with provision made for later construction to accommodate an additional 350,000 books. Solution consists of two levels of stacks below grade for storing 400,000 volumes, with approximately 75,000 volumes accommodated on the main floor and another 25,000 on the second floor. When further space is needed, a second, two-level stack unit will be added—on the rear two-thirds of the roof. Charging and control desk is placed near the main entrance and so related to the stair that the library operates efficiently, even with limited staff. An adjacent elevator is provided for the occasional use of the elderly or infirm to reach the second floor. The upstairs lobby is used for continuing exhibitions and is bordered by the small auditorium and various specialized book rooms, conference and storage rooms, technical-processing facilities, and library offices.

Gardner & Meir were Structural Engineers; W. P. Wells, Mechanical Engineer; John Bolen, Electrical Engineer; General Contractor: J. A. Jones Construction Co.

Reprinted from Progressive Architecture, May 1957
The school is designed as "schools within a school". The classroom units operate individually except for the use of the large central or "common" elements which also are used for television instruction. As a result, the same group of students work with the same teachers in each classroom unit or "little school". The three "little schools" and their jointly used, separately housed facilities provide a decentralized environment and mitigate the disadvantages of a large compactly planned school of 2,000 students.

The three classroom units and the library are placed on a lower level than that of the remainder of the building, and as such form the academic quadrangle. Between this and the activities quadrangle is placed the glass walled cafeteria which as a center of social activities commands a view of the academic quadrangle as well as the activities quadrangle to the immediate west.

Due to the location of pupil population, it was established that a large percentage of the pupils would come to the site by car, so all available accesses were taken advantage of. Service entrances to the boiler room, kitchen and shops were located into the property from the center of the south boundary so as not to conflict with the main flow of vehicular and public traffic from the north. Vehicular access to the site is confined to the perimeter with no roads or drives bisecting or dividing the property.
A careful analysis of Charlotte's existing hospital facilities and a projection of the growth of the city brought about a unique master plan for a complete medical center. Faced with an existing 350-bed hospital, built over 20 years ago, it was found to be adequate in many ways but antiquated in others.

Around the main building other structures had been placed in a somewhat haphazard and inefficient manner. Circulation patterns between buildings had become snarled and tangled. Some of the buildings were temporary and the reason for their existence had long ceased to exist.

A study of the situation resulted in a program of a total of 800 beds to be executed in a two-phase construction program, with a master plan for all elements of a complete medical center and teaching hospital.

Included in the facility is the main building with its laundry building, a two-story out-patient building, and a remotely heated steam plant. A large new nurses' quarters building connects with an older one; and a nurses' educational building recently completed, is adjacent. Currently under construction is an apartment for in-training personnel and their families. Projected for the future is a student union.

In the master plan for the hospital the old main entrance was changed to the opposite side of the grounds. In this way the hospital was reoriented toward a more permanent and major street. This also made possible better traffic and circulation plans, and an opportunity to separate hospital circulation into four types. The main entrance has been placed on the basement level of the new hospital wing where visitors can enter directly into the main lobby. Four high speed elevators serve the eight-story wing. The old main entrance was closed and a new admission and medical staff entrance placed on the ground floor of the old hospital adjacent to the new out-patient building. The emergency entrance was placed on the other side of the building; the service entrance at the other.

The new wing and nurses' educational building are cast-in-place concrete structural systems and the exteriors are finished with precast concrete panels with exposed white quartz and white cement, alternating with aluminum curtain wall units. The flat plate floors, only 10" thick, allow space for air conditioning ducts and yet allow floor elevations to be the same in both old and new areas. The steam plant is steel frame with large glass opening.

The main lobby has luminous ceiling framed into walnut quadrants, terrazzo floor and marble faced columns. The nursing floors are carefully color coordinated to be restful and yet bright. Acoustical tile ceilings and steel stud with plaster partitions maintain sound control. Vinyl wall fabric and resilient floor tile are easily maintained, as are the completely ceramic tile bathrooms. All floors of the old and new wings are completely air conditioned.
CHARLOTTE MEMORIAL HOSPITAL

architects:

A. G. ODELL, JR. AND ASSOCIATES
WACHOVIA BANK AND TRUST CO.
raleigh

architects:

A. G. ODELL, JR. AND ASSOCIATES
charlotte

GUY E. CRAMPTON AND ASSOCIATES
raleigh
The 54 x 210 feet dimensions of the city block lot presented some unusual planning problems for the new Raleigh headquarters of the Wachovia Bank and Trust Company. The banking area required more width for operations than was available at street level. The solution came in lowering the bank area one floor below street level, and extending the floor to include the existing space beneath the surrounding sidewalks. Access will be by escalator and elevator. Large glass areas at street level provide a clear view of the banking floor from the surrounding streets.

The structure of this nine-story building will be steel frame. Exterior materials are precast, exposed aggregate concrete panels and marble. Upper floor windows will be double glazed with grey glass. Air conditioning will be dual-duct high velocity with equipment rooms located on the roof and in the basement.

In the planning stage is a joint venture between the Wachovia Bank, Raleigh Savings and Loan Association, and the city of Raleigh to close one of the side streets adjacent to the site, landscape it and thereby provide a pedestrian greenway in the heart of downtown Raleigh.
ANNOUNCING A NEW
aluminum
aluminum
curtain
custom
ornaments

CATAWBA METALS
POST OFFICE BOX 1391 • 312 WEST TREMONT AVENUE
CHARLOTTE, NORTH CAROLINA 28201 • TELEPHONE 372-2275
THURSDAY, JUNE 25

4:00 P.M.- 8:00 P.M.  Registration, Lobby

6:00 P.M.  Cocktails, Nighthawk Room
            Courtesy The Producers’ Council

7:00 P.M.  Dinner on your own

8:00 P.M.  NCAIA Executive Committee Meeting
            Board Room
            Committee Meetings
            Early Arrival Bingo Party,
            Florida Room
            Courtesy Brick & Tile Service, Inc.

FRIDAY, JUNE 26

9:00 A.M.- 12:00 Noon  Registration, Lobby

9:30 A.M.  NCAIA Meeting convenes,
            Nighthawk Room
            Presiding—S. Scott Ferebee, Jr.
            President, N. C. Chapter AIA
            Invocation—J. C. Jones, Pastor,
            First Presbyterian
            Church, Wilmington
            Welcome—O. O. Allsbrook
            Mayor of Wilmington
            Lawrence C. Rose
            Mayor of Wrightsville
            Beach
            Appointment of Special Committees
            Announcements

12:00 Noon  Luncheon on your own

1:00 P.M.  Ladies buffet luncheon, Seaside Patio
            Courtesy F. Graham Williams Co.

1:30 P.M.  NCAIA Business Meeting,
            Nighthawk Room
            Presiding—Leslie N. Boney, Jr.,
            Vice-President, N. C. Chapter AIA

2:30 P.M.  Recess
            Boating, fishing, swimming, water
            skiing, golf, sightseeing

4:00 P.M.- 7:30 P.M.  Registration, Lobby
FRIDAY, JUNE 26 (CONTINUED)

6:00 P.M. Cocktails, Nighthawk Room & Patio
Courtey Arnold Stone Company

6:30 P.M.-
9:00 P.M. "Coattail Party" (games, supper etc.
for children) Florida Room —
Courtey Mid-State Tile Co.

7:30 P.M. NCAIA Summer Banquet, Lee Room
Address—Dr. William C. Friday,
President, University of
N. C.
"Where We Are in
Education in North
Carolina"

9:00 P.M.-
1:00 A.M. Dancing, Jim Crisp's Orchestra,
Lee Room
Courtey Buckingham-Virginia
Slate Corp.

SATURDAY, JUNE 27

9:30 A.M.-
10:30 A.M. Registration, Lobby

9:30 A.M. Seminar on Office Practice with
emphasis on specifications, office
procedures and professional lia-
bility
Moderator—Daniel F. Schwartz-
man, FAIA

Nighthawk Room

Panelists:
Specifications—
James C. Hemphill, Jr., AIA
Office Procedures—
Paul C. Hardy, AIA
Professional Liability—
Joseph N. Boaz, AIA

11:00 A.M. Coffee Break,
Courtey "Woody" Atkins

11:20 A.M. Induction of New Members—

Corporate Members:
Walter James Boggs
John Paine Cone, Jr.
Alfred Claude Davis
Henry Woodward Middleton
Truman Leo Newberry, Jr.
John Robert Oxenfeld
Donald Stoddard Van Etten
James Robert Thomas
(readmission)

Associate Members:
Chester LeRoy Helt
William Lenox Laslett

Reports of Special Committees

12:00 Noon Adjournment
Luncheon on your own
Afternoon free for activities

6:00 P.M.-
7:30 P.M. Cocktails, Nighthawk Room & Patio
Courtey Solite Corporation
Dinner on your own

9:00 P.M.-
12:00 Informal Patio Dance by the Ocean,
Jim Crisp's Orchestra —
Courtey Catawba Metal Products
QUALITY METALWORK

This Satin Finished Aluminum Railing fabricated of Blumcraft shapes with steel stringer covered with aluminum displays graceful curves.

St. John's Building, Oxford Orphanage
Oxford, N. C.

Architect: Marion A. Ham, AIA, Durham, N. C.

J. D. Wilkins Co.
Greensboro, N.C.
NEW MEMBERS ELECTED TO NCAIA

Seven new members have recently been elected to Corporate Membership in The American Institute of Architects and assigned to the North Carolina Chapter. Their photographs appear below. At the same time James Robert Thomas of Charlotte was readmitted as a Corporate Member and assigned to NCAIA. The Chapter also welcomes two new Associate Members, pictured below. Special induction ceremonies will be held at the NCAIA Summer Convention on June 27.

CORPORATE MEMBERS

John Robert Oczenfeld, Wilmington
Born: August 8, 1927, St. Louis, Mo.
Registration: North Carolina #866
Education: Shawneetown High School, Shawneetown, Ill.
Savannah High School, Savannah, Ga.
Georgia Institute of Technology, Atlanta, Ga.
Graduated: 1951, B.S. Arch.
Professional Training:
Metropolitan Planning Commission, Atlanta
Pollard & Alfords, Atlanta
Warren F. Penney, Architect, Atlanta
Altsobolis Associates, Wilmington
Professional Practice:
John R. Oczenfeld, Architect, Wilmington

John Paine Cone, Jr., Roanoke, Virginia
Born: September 29, 1927, Larned, Kansas
Registration: North Carolina #1275
Education: Hanover High School, Hanover, New Hampshire
Columbia University, New York, N. Y.
Professional Training:
J. F. Larson, (now Larson & Larson)
Winston-Salem
Randolph Frantz & Assoc., Roanoke, Va.
Professional Practice:
Larson & Larson, Winston-Salem
Randolph Franzt & Assoc., Roanoke, Va.
Memberships:
Associate Member, N. C. Chapter AIA
May 1961 to present

Donald Stoddard Van Etten, Winston-Salem
Born: June 27, 1923, Port Jervis, N. Y.
Registration: North Carolina #1010
Education: Eldred Central School, Eldred, N. Y.
Cornell University, Ithaca, N. Y.
Graduated: 1951, B. Arch.
Professional Training:
Larson & Larson, Winston-Salem
Professional Practice:
Larson & Larson, Architects, Winston-Salem
Private practice, Winston-Salem
Lashmit, Brown & Pollock, Winston-Salem
Memberships:
Associate Member, N. C. Chapter AIA

ASSOCIATE MEMBERS

Chester LeRoy Helt, Charlotte
Born: August 24, 1936, Modesto, California
Education: Oakdale Joint Union High School, Oakdale, Calif.
California State Polytechnic College, San Luis Obispo
Professional Training:
Marsh & Hawkins, Charlotte
Jean G. Surrratt, Charlotte
Memberships:
Architectural Engineering Alumni Association, California Poly.
Jr. Member of AIA in college

Henry Woodward Middleton, Charlotte
Born: January 16, 1934, Charleston, S. C.
Registration: South Carolina #833
Education: Episcopal High School,
New York
Alexandria, Virginia
University of North Carolina,
Chapel Hill, N. C.
Clemson College, Clemson, S. C.
Graduated: 1960, B. Arch.
Professional Training:
James & Durant, Sumter, S. C.
Professional Practice:
As a registered architect with A. G. Odell,
Jr. and Associates
Memberships:
Student Associate of S. C. Chapter AIA
Associate Member, N. C. Chapter AIA

William Lenox Laslett, Southern Pines
Born: October 5, 1927, Albany, New York
Education: Woodbury Forest School,
Woodbury Forest, Va.
Colgate University, Hamilton, N. Y.
Graduated: 1959, B.A. in Fine Arts
Yale University, New Haven, Conn.
Graduated: 1963, B. Arch.
Professional Training:
Basil G. F. Laslett, AIA, Fayetteville

THE JUNE 1964 SOUTHERN ARCHITECT
McDevitt & Street Company

GENERAL CONTRACTORS

145 Remount Road
Charlotte, North Carolina

Over 35 Years Continuous Experience in General Construction in the Southeast.

DEWEY BROS., INC.

- Structural Steel
- Ornamental Iron
- Bar & Longspan Joists
- Miscellaneous Iron
- Metal Windows, Doors
- Building Specialties

DEWEY BROS., INC.
Goldsboro, N. C.

Grey Iron Construction Castings
Since 1885

AIA ANNOUNCES 1964 HONOR AWARDS

The American Institute of Architects on June 15 presented its 1964 Honor Awards, the nation's highest professional recognition for architectural merit, to the architects of 16 U. S. projects.

The awards were given during a special awards luncheon at the national professional organization's 96th Annual Convention which was held at the Chase-Park Plaza Hotel, St. Louis. J. Roy Carroll, Jr., FAIA, of Philadelphia, national president of the Institute, made the presentations.

Selections were made from among a record number of 439 submissions encompassing virtually every building type by a jury of architects composed of Charles M. Nes, Jr., FAIA, of Baltimore, chairman; Charles A. Blessing, FAIA, of Detroit; Mark G. Hampton, AIA, of Tampa, Fla.; Eliot F. Noyes, FAIA, of New Canaan, Conn.; and Gyo Obata, AIA, of St. Louis.

The jury granted four First Honor Awards and 12 Awards of Merit. Eligible for submission were projects executed anywhere in the United States or abroad by registered architects practicing professionally in the United States and completed after January 1, 1959.

The winning entries included two educational projects, three manufacturing plants, an office building, an airport, a parking garage, both a luxury and a low-cost apartment project, both a large and small urban plaza development, a retirement community, a university assembly hall, and two small houses. Geographically, nine of the winners are on the Eastern seaboard, three each in the Midwest and West Coast, and one in the South.

An award for merit for the Memphis Metropolitan Airport, Memphis, Tenn., Munn & Harrower, Architects.

The jury, in its report, noted that "each of the final 16 projects receiving awards exhibits a basic characteristic: a simple, strong and imaginative expression of a concept, resulting in a unified whole. Each reflects a self-imposed discipline by the architect, evident in his use of structure, his selection of materials, his responsiveness to the terrain, and his considered regard for the place of a building within a group."

The Honor Awards program was established in 1949 "to encourage the appreciation of excellence in architecture and to afford recognition of exceptional merit in recently completed buildings." Through the program the AIA seeks not only to single out distinguished design, but also to bring to public attention the variety, scope and value of architectural services. Careful consideration is given to submittals exhibiting excellence in function, economy and environmental harmony and in the distinguished execution of a complex program, as well as to the uniqueness of an esthetic or structural statement.

During the sixteen years of the Institute's Honor Awards Program, NCAIA members have received the following:

Smart builders and designers know that today's concrete masonry is one of the most reliable construction materials available. Its versatility, its beauty, and its structural advantages make it a wise choice for nearly any project. If you'd like more information on how concrete masonry can fit into your plans, contact any member of the N. C. Concrete Masonry Association. He'll be glad to help you.

THE NORTH CAROLINA CONCRETE MASONRY ASSOCIATION
715 W. Johnson Street • P. O. Box 10533 • Raleigh, N.C.
for your question about

CERAMIC TILE

REN FROW HAS THE ANSWER
Complete line of SUNTILE products
- Tile for Floor & Walls Interior & Exterior
- Solar Walls Panels
- Epoxy Adhesives & Grouts
- Suntile Custom Designs
- New, Exciting Ceratile Patterns
Suntile Research... your guarantee of quality

REN FROW DISTRIBUTING COMPANY
1822 Sunnyside Ave., Charlotte, N. C. Phone ED 4-6811

Specify

EXPOSÁIC

Precast Aggregate Panels

By

DIXIE EXPOSÁIC, INC.

P. O. BOX 926 MOUNT AIRY, N. C. 27030 TELEPHONE 786-8338

CAROLINAS' CHAPTER

THE PRODUCERS' COUNCIL, INC.

Allied Chemical Corp.
Aluminum Company of America
Almarite Corp.
American Air Filter Corp.
Armstrong Cork Company
Azrock Floor Products Division
Barber-Coleman Company
Caloric Appliance Corp.
Cambridge Tile Manufacturing Co.
C. F. Church—Division
Congoleum-Nairn, Inc.
Crawford Door Company
Cupplies Products Corp.
Duke Power Company
Dwyer Products Corp.
Michael Flynn Mfg. Company
Formica Corp.
Georgia-Pacific Corp.
Hillyard Chemical Company
Hough Manufacturing Co.
Inland Steel Products Company
John-Manville Sales Corporation
Kawneer Company

Norman D. Goss
John Gill
James R. Carter
Kirk Causer
Walter Konig
Joe L. Funderburke
S. Edward Jordan
Maxson Betts Co.
W. G. "Bill" White
Lawrence E. Irvine
Allison-Erwin Company
Crawford Doors Sales Co., Inc.
Edwin C. Boyette & Son, Inc.
T. M. Patrick, Jr.
Clark Distributing Co.
General Specialties, Inc.
Faison Kuster
Kermit L. Mann
Ralph L. Jones
Andy Turner
Connor B. Stroup
Wm. A. Lee, Jr.
Robt. W. Aiken

LCN Closers, Inc.
Libbey-Owens-Ford Glass Company
Mastic Tile Division
Benjamin Moore & Company
MO-SAI Institute, Inc.
Natco Corporation
Natco Corp.
National Gypsum Company
New Castle Products, Inc.
North Carolina Concrete Masonry Association
Northrup Architectural Systems
Oris Elevator Company
Owens-Corning Fiberglass Corporation
Piedmont Natural Gas Company
Pittsburgh Plate Glass Company
H. H. Robertson Company
Sargent and Company
Stanley Works
Union Products Company
United States Plywood Corporation
Universal Rundle Corporation
Vermont Marble Company
Zonolite Company

L. E. "Woody" Atkins, Jr.
Robert C. Bainbridge
Van Williams
William Wilson Brown
F. R. "Butch" Krulish
James F. Taylor
W. Fred Casey Co.
Acoustics, Inc.

Consult an Architect

THE JUNE 1964 SOUTHERN ARCHITECT
WINCHESTER EXCAVATIONS BEING CONDUCTED

In cooperation with the British Winchester Excavation Committee and the University of North Carolina, Duke University will participate in archaeological excavations at Winchester, England, during the summer of 1964. The excavations will be conducted by the joint British-American team from June 29 to September 6, and if the arrangement for joint participation proves successful, will be continued in successive summers through 1970. Excavation this summer will be concentrated on two sites, the Brooks Street area in the "old town" and the Cathedral green; in these it is hoped that Tudor, Norman, Anglo-Saxon, and Roman levels will be reached.

Fifty American students have registered for the 1964 expedition by affiliation with the Summer Sessions of Duke University or the University of North Carolina. The Duke party, of which Dr. Louise Hall, AIA, of the Department of Art is senior scholar, will consist of twenty students, advanced undergraduates, graduates and members of the faculty.

ANNUAL FELLOWSHIP PROGRAM ESTABLISHED FOR INTERNATIONAL DESIGN CONFERENCE AT ASPEN

A new design fellowship program which will permit foreign students to attend the International Design Conference at Aspen, Colorado, each year to present a report on the state of design in their respective countries has been announced.

The first year's delegation, consisting of 22 design students from Sweden, will attend the conference being held in Aspen on June 21-27. The Swedish delegation—which includes representatives of the industrial design, architectural and graphic design fields—will also visit selected corporations, associations, schools, and design offices throughout the U. S.

Theme of this year's conference is "Design '64: Directions and Dilemmas." The conference will concern itself with the freedoms and restraints in design, architecture and visual communication. Speakers include Architect Philip Johnson, Social Critic Cleveland Amory, and Peter Blake, author of "God's Own Junkyard." Eliot Noyes, prominent architect, industrial designer is program chairman of the 1964 meeting.

Nostalgia should run high at this year's Conference, because this may be the last year that conferees will meet in the famous amphitheatre-tent designed by Eero Saarinen. A permanent structure has been designed by Herbert Bayer, prominent architect and artist, to replace the huge tent which has been the site of the Aspen conferences for the past 14 years.
Two-way floor systems are designed to carry loads in two directions. Whether a slab acts as a one-way or a two-way slab depends solely on the dimensions of the panel, as shown below:

The action of a one-way floor is typified by this framework which has a high ratio of long to short span.

The action of a two-way floor system may be compared to that of a frame in which the ratio of long to short span is 2 to 1 or less.

Two-way flat plates are economical for medium to heavy loads on spans up to about 30 feet. They present a smooth undersurface as the photo shows. In the accompanying tables, material quantities for concrete, reinforcement and formwork are stated in units per square foot of panel with no allowance for waste or breakage.

Designs are based on a concrete strength of $f_c = 3,000$ psi; a steel stress of $f_s = 20,000$ psi; and the use of A305 reinforcing bars. Write on your letterhead for further free information. (U.S. and Canada only.)

<table>
<thead>
<tr>
<th>Item</th>
<th>Concrete (cu. ft.)</th>
<th>Reinforcement (lb.)</th>
<th>Formwork (sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>15x15</td>
<td>20x20</td>
<td>25x25</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>Units per sq. ft.</td>
<td>Total units</td>
</tr>
<tr>
<td></td>
<td>20x20</td>
<td></td>
<td>20x20</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>Units per sq. ft.</td>
<td>Total units</td>
</tr>
<tr>
<td></td>
<td>25x25</td>
<td></td>
<td>25x25</td>
</tr>
<tr>
<td></td>
<td>Total units</td>
<td>Units per sq. ft.</td>
<td>Total units</td>
</tr>
<tr>
<td>Slab</td>
<td>94</td>
<td>0.42</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td></td>
<td>521</td>
<td>0.83</td>
</tr>
<tr>
<td></td>
<td></td>
<td>419</td>
<td>1.86</td>
</tr>
<tr>
<td></td>
<td></td>
<td>996</td>
<td>2.49</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2045</td>
<td>3.27</td>
</tr>
<tr>
<td></td>
<td></td>
<td>225</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>400</td>
<td>1.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>625</td>
<td>1.00</td>
</tr>
</tbody>
</table>
ARCHITECTURAL METALS
Blumcraft of Pittsburgh
(See our ad on page 29)
Catawba Metal Products Company
(See our ad on pages 16 & 17)
J. D. Wilkins Company
(See our ad on page 20)

ARCHITECTURAL PHOTOGRAPHY
Mitchell’s Studio
(See our ad on page 25)

BRICK
Borden Brick & Tile Company
(See our ad on page 28)
Brick & Tile Service
(See our ad on back cover)

BUILDERS HARDWARE
Delph Hardware & Specialty Company
Charlotte, N. C., Raleigh, N. C., Columbia, S. C.,
Greenville, S. C.
Salisbury Lumber & Supply Company
(See our ad on page 25)

BUILDING MATERIALS
The Producers’ Council, Incorporated
(See our ad on page 24)

CONCRETE
Portland Cement Association
(See our ad on page 26)

CONCRETE FACINGS, PRECAST
Dixie Exposaic, Inc.
(See our ad on page 24)

CONCRETE MASONRY UNITS
N. C. Concrete Masonry Association
(See our ad on page 23)

CONCRETE, PRECAST STRUCTURAL
Arnold Stone Company
(See our ad on page 2)

CONTRACTORS, GENERAL
McDevitt & Street Company
(See our ad on page 22)

ELEVATORS
Southern Elevator Company
(See our ad on page 28)

SOIL BORINGS
Ezra Meir & Associates
(See our ad on page 25)

STEEL, STRUCTURAL
Dewey Bros., Incorporated
(See our ad on page 22)

TILE, CERAMIC
Mid-State Tile Company
(See our ad on pages 5 & 6)
Renfrow Distributing Company
(See our ad on page 24)
For beauty and permanence...

BORDEN
FACE BRICK
BUILDING BRICK
STRUCTURAL TILE
DRAIN TILE

★

Borden BRICK & TILE CO.

GOLDSBORO
RE 4-3771
DURHAM SANDFORD

SOUTHERN ELEVATOR COMPANY
A North Carolina Owned & Operated Corporation
MANUFACTURERS OF
PASSENGER & FREIGHT ELEVATORS-
CABLE OR HYDRAULIC

MAIN OFFICES & PLANT
GREENSBORO, N. C.

BRANCH OFFICE
CHARLOTTE, N. C.

CALENDAR OF EVENTS

JUNE 23, 30: JULY 7, 14:
Architect's Guild of High Point,
Marguerite's Restaurant
George C. Connor, Jr., AIA, President

JUNE 25-27: N. C. Chapter, AIA Summer Meeting,
Blockade Runner Motor Hotel
Wrightsville Beach, N. C.

JULY 1: Charlotte Section of N. C. Chapter, AIA,
Stork Restaurant No. 2
Charles H. Wheatley, AIA, President

JULY 2: Raleigh Council of Architects,
YMCA
Jesse M. Page, Jr., AIA, President

JULY 7: Durham Council of Architects,
Harvey's
James A. Ward, Acting President

JULY 13: Winston-Salem Council of Architects,
Reynolds Building Restaurant
Kenneth B. Jennings, AIA, President

JULY 15: Deadline for material for August issue

JULY 23: Greensboro Registered Architects,
Ivanhoe's Restaurant
Walter E. Blue, Jr., AIA, President

JULY 24-25: Eastern Carolina Council of Architects,
Morehead City
Warren E. Hargrett, AIA, President
Theodore J. Peters, AIA, Host

OCTOBER 29-30: South Atlantic Region AIA
Biennial Meeting,
Jack Tar Poinset Hotel
Greenville, S. C.

NCAIA SUMMER MEETING
BLOCKADE RUNNER
Wrightsville Beach
JUNE 25, 26, 27
NEW WOOD HANDRAILS with an aluminum core substructure are furnished as a complete unit by Blumcraft. The solid walnut wood, with a natural hand-rubbed oil finish, is bonded to the aluminum at Blumcraft's factory. This new railing concept combining wood and metal is trademarked RAILWOOD®.
How up-to-date are you on this newest trend in floors??

**the modern brick floor** is the result of important new developments offering ease and economy of installation plus the beauty of warmth, color and texture. And the MODERN BRICK FLOOR is so remarkably practical ... with so many imaginative applications. Use our free advisory service or contact your brick supplier for details.

BRICK AND TILE SERVICE, BOX 6305, SUMMIT STATION, GREENSBORO, N. C.