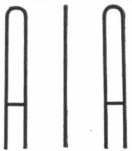


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AUGUST 1955



Official Publication
North Carolina Chapter



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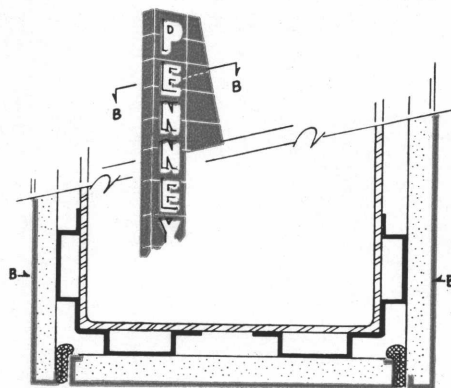
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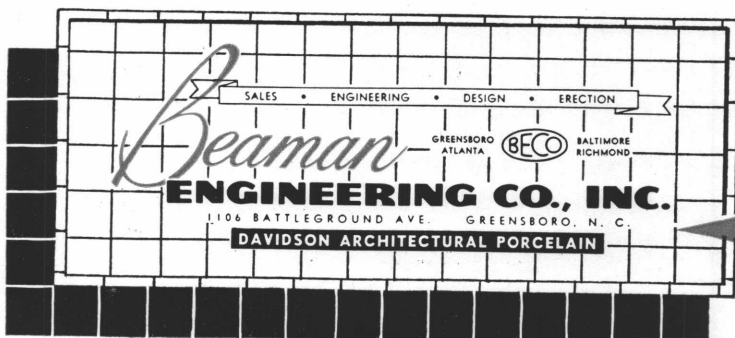


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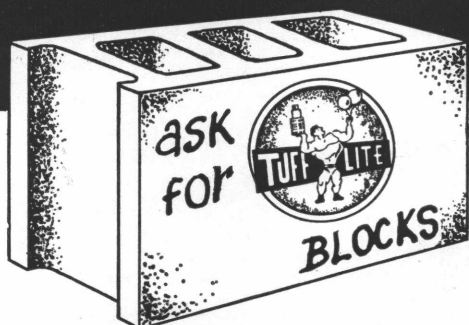


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ARCHITECTURAL CALENDAR

SEPT. 1: Raleigh Council of Architects, S & W Cafeteria, Raleigh.

SEPT. 2: Guilford Council of Architects. Bliss Restaurant, Greensboro.

SEPT. 6: Winston-Salem Council of Architects. El-Cam-Rey Restaurant, Winston-Salem.

SEPT. 7: Charlotte Council of Architects. Thacker's Restaurant, Charlotte.

SEPT. 12-22: 9th Pan American Congress convening in Caracas, Venezuela. Further details from Secretary, Pan American Association of Architects, 1318 Bartolome Mitre St., Montevideo, Uruguay.

SEPT. 15: Raleigh Council of Architects. S & W Cafeteria, Raleigh.

SEPT. 18-21: 10th Annual National Builders Hardware Exposition. Kiel Auditorium, St. Louis, Missouri.

SEPT. 25-29: Annual Planning Conference of the American Society of Planning Officials, Sheraton Mount Royal Hotel, Montreal, Canada.

OCT. 2-5: Annual meeting and Equipment Exposition, American Public Works Association, Municipal Auditorium and Hotel Schroeder, Milwaukee, Wisconsin.

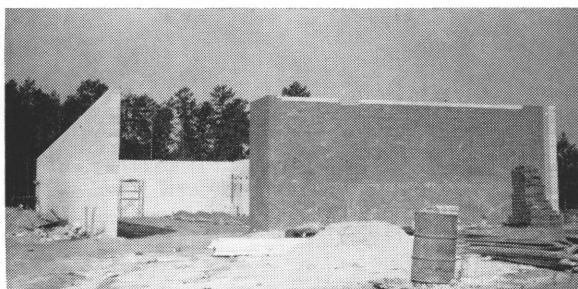
OCT. 30—NOV. 2: 35th annual convention, Carolinas Branch, Associated General Contractors of America. Bon Air Hotel, Augusta, Georgia.

NOV. 6-9: Southern Building Code Congress. Annual Congress, Birmingham, Ala.

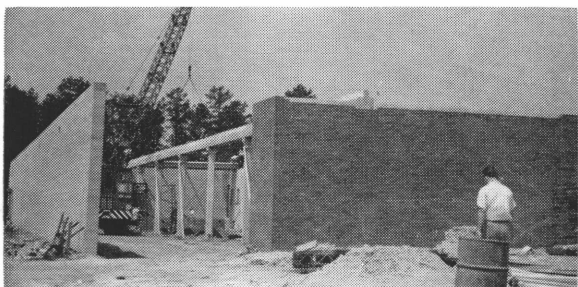
JAN. 26-28: North Carolina Chapter, American Institute of Architects. Annual Meeting. Carolina Inn, Chapel Hill.

FEB. 13-17: National Sand and Gravel Association and Ready-Mixed Concrete Association. 1956 joint convention and biennial show. Conrad Hilton Hotel, Chicago, Illinois.

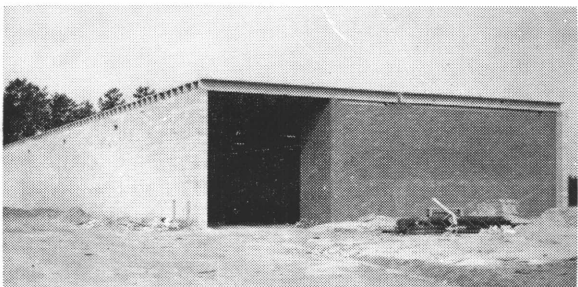
APRIL 12-13-14: South Atlantic District Regional Conference, American Institute of Architects. Washington Duke Hotel, Durham.



8 A. M.



10 A.M.



4 P. M.



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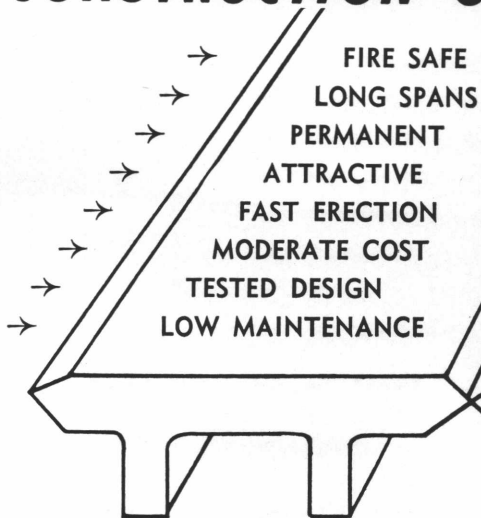
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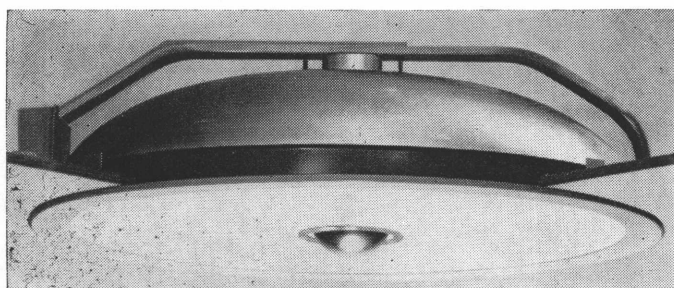
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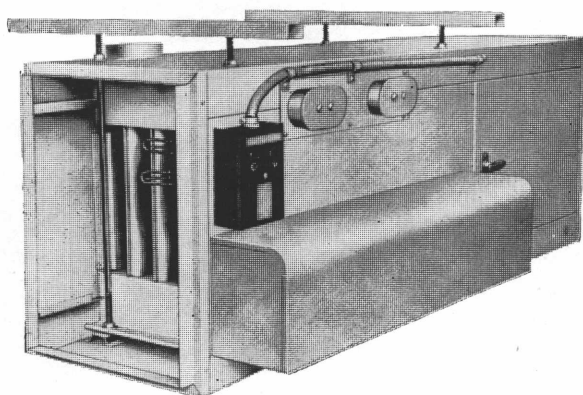
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Southern Architect

Volume 2

August 1955

Number 4

Publisher

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COVER PICTURE

Chowan County Courthouse, Edenton, once described by the architect, Thomas Waterman, as "perhaps the finest Georgian courthouse in the South". It was built in 1767, probably by Gilbert Leigh, and has been continuously in use since that time.

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Besides representatives from the faculty the jury consisted of R. H. Stephens, AIA, and C. H. Pfohl, AIA, who distributed \$175.00 in prize money provided by the sponsor, Brick & Tile Service, Inc., Greensboro.



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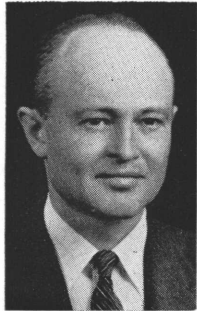
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❖ PRESIDENT'S MESSAGE ❖

We would like to express the appreciation of the Chapter to all who helped make our recent summer meeting in Asheville a very successful event.



WILLIAMS

The enjoyable and inspirational mixture of pleasure, education, and business; plus perfect weather, incomparable scenery, and the smooth functioning of Archie Davis, Jim Beam and committee added up to one of our best summer meetings.

The presentation by Mr. Ralph Myers of "Architecture—U. S. A.", the talk by our Attorney Mayne Albright, on "The Architect and The State", the report of Henry Gaines on the Board of

Architectural Examination and Registration, and the committee reports were highlights of our business sessions. Anyone who has the feeling that he cannot spare the time to attend a Chapter meeting should try one. The gain of a single new idea can sometimes repay for the few days time required. Also the contribution of a new thought by a member in attendance can initiate far reaching lines of action influencing all our professional life. We need the help of each other.

The next Chapter meeting will be January 26-28 at Chapel Hill. There are a limited number of rooms available at the Carolina Inn so make your reservations early. The attendance at our meetings has been increasing steadily, and we want to accommodate everyone who will come.

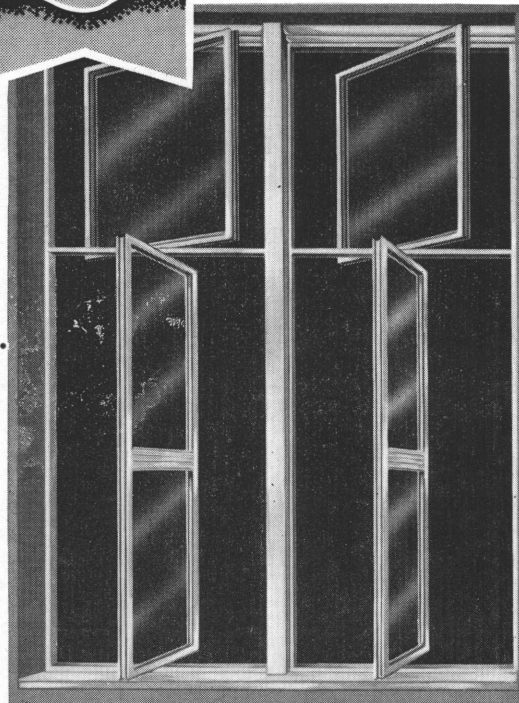
It is planned now that our summer meeting of next year will be in combination with the Regional Conference April 12-14 in Durham and will probably consist of any necessary brief business sessions prior to the regular Conference program. Bill Deitrick, Chairman of the Regional Conference, and his committees are now beginning their plans. Archie Davis, the Durham Chairman; Henry Kamphoefner, the Raleigh Chairman, and Jim Webb, the Chapel Hill Chairman, are working on a coordinated regional program. A theme has not yet been chosen and your suggestions will be welcome.

The effectiveness of our Chapter is determined in the acceptance by the members of the Chapter of committee reports and suggestions for action. For example, your Committee on the Relations with the Construction Industry, Jesse Page, Chairman, has spent many hours in session with representatives of the industry. Their suggestions, which are the thoughts of the various organizations concerned, will be presented to the Chapter members through the Bulletin and our magazine. In many instances these suggestions are merely a simple change in the routine of handling matters of concern to all of us; but the simple change, if adhered to by everyone, will produce a uniformity helpful to all. Take note and use the committee reports. These are the measures of our vitality.

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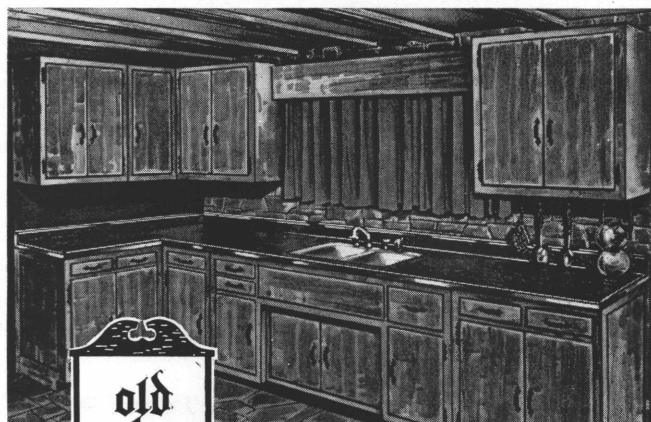
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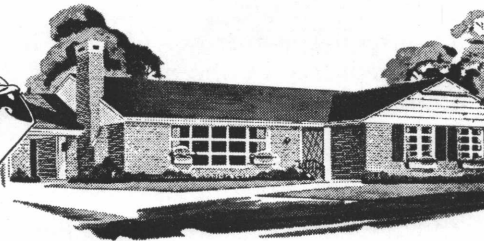
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Making plans for the 1956 Regional Conference of the South Atlantic District of the American Institute of Architects are, left to right, William H. Deitrick, FAIA, of Raleigh, who will serve as General Chairman; Archie Royal Davis, AIA, of Durham, host city chairman; and Regional Director Herbert C. Millkey, AIA, of Atlanta.

1956 REGIONAL CONFERENCE TO BE HELD IN DURHAM APRIL 12-13-14

The annual South Atlantic District Regional Conference of the American Institute of Architects will be held in Durham April 12-13-14, 1956, according to an announcement by F. Carter Williams, AIA, of Raleigh, President of the North Carolina Chapter of the American Institute of Architects.

The North Carolina Chapter will be host to the regional conference, which includes architects of North Carolina, South Carolina, Georgia and Florida. Herbert C. Millkey, AIA, of Atlanta, Ga., is Regional Director, and will preside over the sessions.

The Washington Duke Hotel will serve as conference headquarters.

George Bain Cummings, AIA, of Binghamton, N. Y., President of the American Institute of Architects, has already been extended an official invitation to attend by President Williams.

William H. Deitrick, FAIA, of Raleigh, has been named General Chairman for the Regional Con-

ference, which will be held in North Carolina for the first time since the South Atlantic Region was organized.

Chairman Deitrick is working out a coordinated area program for the conference. Local arrangements chairmen have been named in Durham, Chapel Hill, and Raleigh to assist in developing an interesting program of activity for the three-day event as follows: Archie Royal Davis, AIA, Durham; James M. Webb, AIA, Chapel Hill; and Henry L. Kamphoefner, AIA, Raleigh.

Facilities of the University of North Carolina, North Carolina State College, and Duke University will be available for activities of the conference.

Every effort will be made to make the 1956 regional conference the biggest conference held in the South Atlantic Region, with a varied program of activity and entertainment.

The 1955 regional conference was held at Charleston, S. C., with the South Carolina Chapter as host last May.



One of the highlights of the 1955 summer meeting of the North Carolina Chapter of the American Institute of Architects at Asheville July 14-15-16 was the citation of Ross Shumaker, AIA, and A. G. Odell, Jr., AIA, for outstanding service to the Chapter. John Knight, AIA, center, Chairman of the Public Relations Committee, is shown making the presentation to Mr. Shumaker, left, and Mr. Odell, right.

MILLKEY PRAISES RECORD OF NCAIA

The North Carolina Chapter of the American Institute of Architects is doing a remarkable job in its efforts to hold architecture in the state to high standards, Regional Director Herbert C. Millkey, AIA, of Atlanta, Ga., declared in an address before the annual summer meeting of the Chapter at Asheville in July.

Pointing out that he had studied at length the work being done by other chapters throughout the country, Millkey said North Carolina stands high on the list of states in which the profession conducts an extensive program designed to keep its service to the public at the top level of excellence.

Millkey's remarks followed an address by Henry Irvn Gaines, AIA, of Asheville, President of the North Carolina State Board of Architectural Examination and Registration, who reported on the activities of the state board since the last meeting of the group.

Highlights among the many activities of the summer meeting were the presentation of awards to Ross Shumaker, AIA, of Raleigh and A. G. Odell, Jr., AIA, of Charlotte for outstanding service to the Chapter.

Another feature of the sessions was the authorization of a committee to make a thorough study

of the Chapter's activities and review the need for professional assistance in handling the operation of the rapidly expanding Chapter and its public relations program. This action was taken after Mr. Odell, Immediate Past President of the Chapter and a member of its Board of Directors, cited the growth of the Chapter in recent years and pointed out the heavy load of work being placed upon the officers due to the fact that the Chapter does not have a full-time office and staff.

The summer meeting opened Thursday, July 14, with a dinner for the officers of the six local councils of architects, with the Chapter as host.

The Friday morning session opened with committee reports, including reports from the following committees: Program, Urban Design and Housing, Research, Exhibitions, Building Codes, Publications, Judiciary, Preservation of Historic Buildings, Relations with the Construction Industry, Education, School Buildings, Home Building Industry, Hospitals and Public Health, and Institute Fellowship.

R. Mayne Albright of Raleigh, Chapter attorney, spoke at the noon session on "The Architect and the State," which is reported in more detail elsewhere in this issue. The induction of new members

(Continued on page 21)

EDENTON'S NEW COMMUNITY BUILDING

By Elizabeth Vann Moore

People came from miles around Edenton to watch a ten-room frame house with four huge chimneys sidling inch by inch down Broad Street to the waterfront, where a 180°-turn would bring it to rest like a fireside pet. High on a third-story window sill rode a soft-drink bottle, placed there by the mover, Mr. J. K. Watkins of Stem. "It will be there," said Mr. Watkins, "when we pull out the jacks after the house is set on the new foundations." And it was.

All this happened in May and June, 1952. The old site was wanted for a super-market. The public-spirited owner, Mr. Haywood Phthisic, unwilling to see another Edenton landmark demolished, had offered the house as a community building if it could be moved. Citizens had responded to a fund-raising campaign conducted by the Business and Professional Women's Club, the Junior Chamber of Commerce, and the Woman's Club. From first to last, it was a great show.

The house, relatively unscathed by its journey, did lose part of its roof and the tops of all four chimneys to Hurricane Hazel, in 1954. But now it is almost ready to serve the community as intended, after undergoing repairs and minor remodeling by Messrs. Pickler and Faircloth, contractors, under supervision of Mr. Finlay F. Ferguson, Jr., AIA, of Norfolk, Va. Mr. Ferguson, formerly with Colonial Williamsburg, Inc., had made the original architectural examination of the historic structure while overseeing the restoration of St. Paul's Church, Edenton.

* * * * *

Why all this to-do? Well, as the *Chowan Herald* cannily observed on May 29, 1952: "In the first place, Edenton needs a community house . . . In the second place, the home of the most distinguished couple who ever lived in Edenton ought to be a source of pride . . . In the third place . . . Edenton is on the road from Williamsburg to New Bern, Wilmington and Charleston. It is 'historic' Edenton that tourists want to see. For business reasons as well as civic pride, we had better stop and consider how much of it we can save."

Edenton's "most distinguished couple" were easily Thomas and Penelope Barker—each one a patriot with vision, who went out and did something about making the vision come true instead of just talking about it. (Pe-nel'o-pe means "weaver.")

Traditionally, Penelope Barker was the courageous lady who, on October 25, 1774, presided over the deliberations of 50 other ladies gathered to-

gether from five surrounding counties for the well-planned Edenton Tea Party. It was the earliest known political-action meeting held by women in the future United States. The 51 ladies passed and signed resolutions endorsing the protest against British taxation, and the demand for self-government, voted by North Carolina's First Provincial Congress, a body of patriots convened the preceding August in defiance of Royal Governor Josiah Martin. Not content with a local audience, moreover, the ladies made their soprano voices heard across the sea by forwarding their signed resolutions with a letter to England, where all 51 of them got their names in the paper. Perhaps this crowning touch was managed by Penelope's husband, Thomas Barker, for he had been in England since 1761, part of that time as one of North America's very few successful colonial agents.

In short, this house—though not the scene of the Tea Party—had been the cherished home of the Barkers. As such, it was and is a symbol of the patriot struggle. And as such, it is a house not to be copied on suburban lots in our time but to be preserved in trust by our time as part of the nation's legacy from past to future. Written words can be cold without symbols.

* * * * *

How do we know this was the Barkers' house? Until 1948 no one living had ever heard that it

The Barker House in the 19th Century, while it was owned by the descendants of Augustus Moore. (The Gowdy Studio)



THE AUGUST 1955 SOUTHERN ARCHITECT

13

dren's trustee the first choice of his boots, and to his rector his second-best pantaloons, was not thinking like a man who had recently ordered built and enlarged the handsomest house then in town



was. Then legal proof turned up accidentally in court records, and further proof was laboriously sought out in all Edenton newspapers published before 1830 as well as in the North Carolina ma-

Chronic debtor Creecy, whose mortgages fill pages in the Chowan County deed books, soon sold off a third of the property on which stood a small house to be mentioned again shortly. The main

TO THE PROSPECTIVE CLIENT

Planning, technical guidance, advice and counsel, rendered in verbal, written and graphic form, constitute the services of the architect.

Many persons intending to build are not familiar with the basic professional services offered by the architect. This statement is intended to explain these basic services.

It should be understood that the services outlined are those performed on a "typical" architectural commission. A specific commission may or may not include all the services described.

A contract between client and architect describes the normal services and the "special" services might be full time supervision, research and special surveys. Also the legal obligations of the architect as well as the client will be found in the written contract which will be executed by client and architect.

An understanding of the various stages of the architect's work will promote a harmonious relationship and will help the architect provide the services to which the client is entitled.

THE ARCHITECT'S SERVICES

Preliminary Drawings

The architect collaborates with his client in analyzing the scope of the project. He considers the client's present and future needs, purposes, site and surroundings, ordinances, and financial aspects in outlining the program.

Upon the client's acceptance of the general program, the architect develops general studies, examines laws, codes, standards, rules and regulations of controlling governmental agencies and studies requirements of insurance carriers. From this study, the architect evolves his basic drawings. The drawings are supplemented by recommendations on construction, materials and equipment, estimated time of completion and an estimate of probable cost at current prices of materials and labor.

Upon the acceptance by the client of the preliminary drawings the first stage of services is completed.

Working Drawings

Following formal approval of the preliminary design and recommendations, the architect prepares the working drawings, including all architectural, plumbing, heating, electrical, mechanical

and site improvement drawings; technical specifications describing the type and quality of materials, finish, manner and places of installation by trades; general specifications including conditions of construction, insurance requirements, bonds, methods of payment and related non-technical matters.

Upon the completion of working drawings and specifications, the second stage of services is completed.

Supervision

The architect calls for bids on these documents and advises the client on their acceptance and on the form of contract. He checks shop drawings, schedules of materials and samples. At intervals the architect visits the site to supervise construction for the proper execution of the work called for in the contract documents. He keeps job records, accounts, issues change orders, and issues certificates of payment to the contractor as evidence of work properly executed for which payment is due from the client.

Upon the completion of the project, all required tests made and guarantees delivered, the final stage of services as architect have been completed.

A. G. Odell, Jr., AIA

CHARLOTTE, N. C.

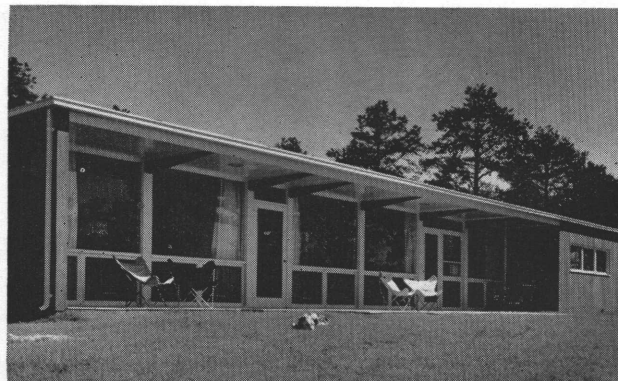
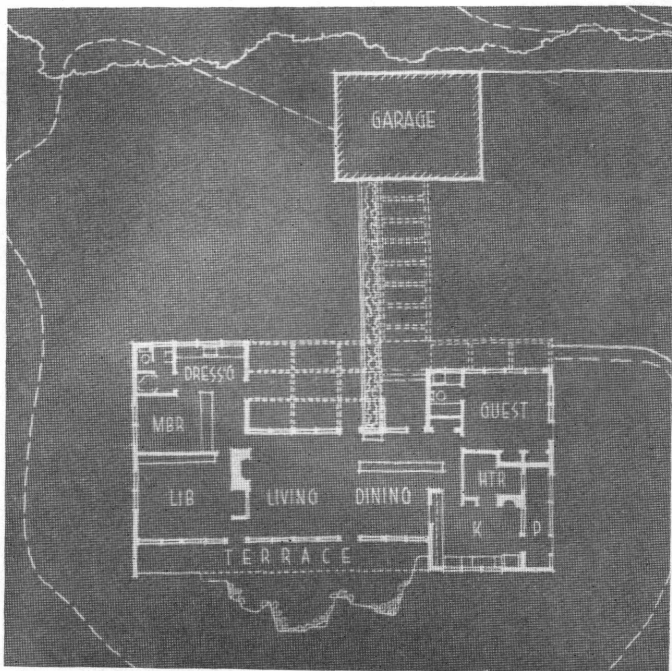
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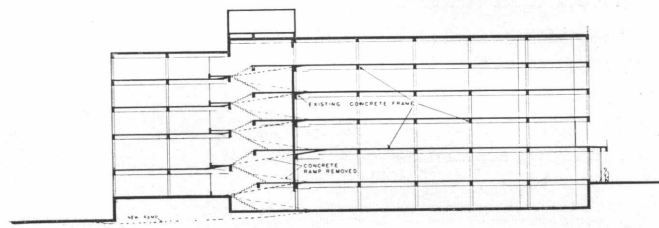
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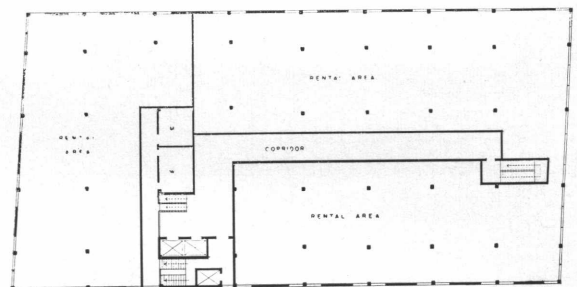
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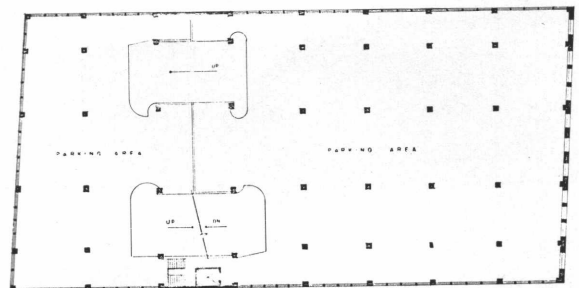
SECTION



TYPICAL CORRIDOR



TYPICAL FLOOR PLAN AFTER REMODELING

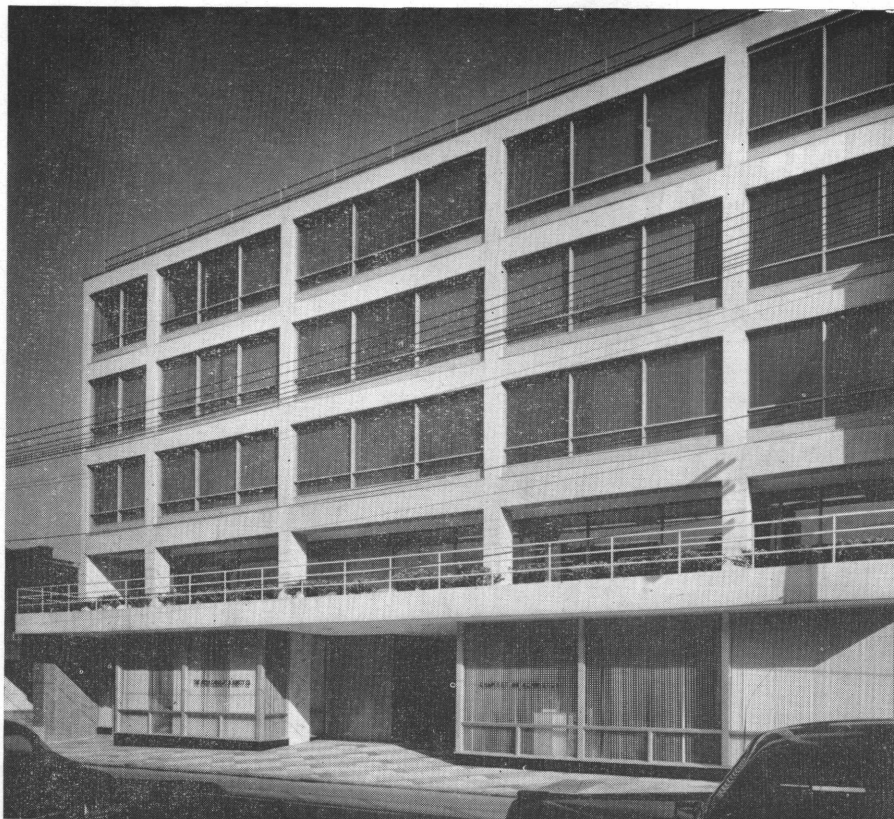


TYPICAL FLOOR PLAN BEFORE REMODELING

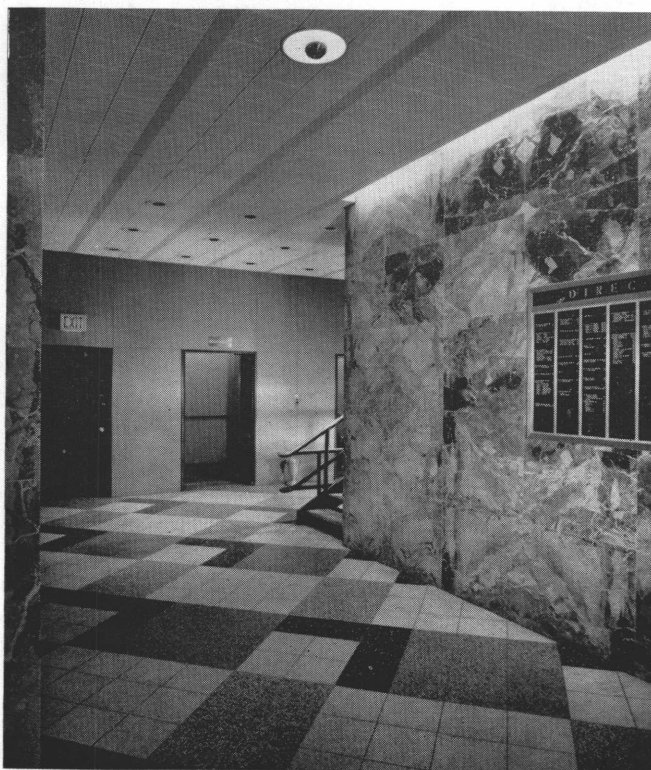
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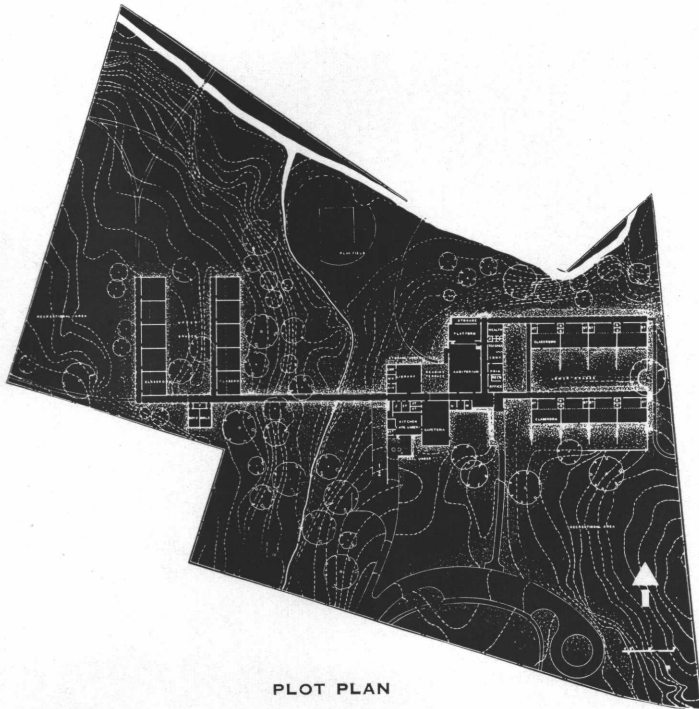
FRONT



REAR



ELEVATOR LOBBY



PLOT PLAN



CAFETERIA



TYPICAL CLASSROOM



DOUBLE OAKS ELEMENTARY SCHOOL

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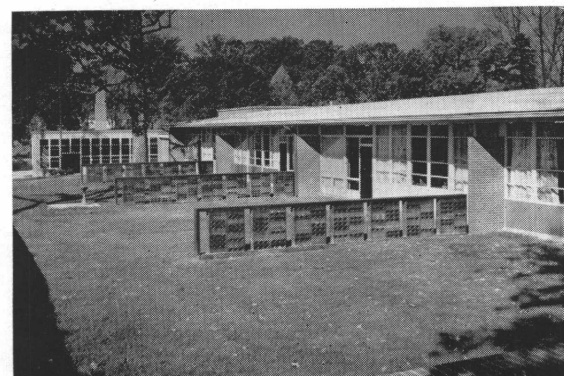
1953 "SCHOOL EXECUTIVE" AWARD

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OUTDOOR TEACHING AREA



MYERS DESCRIBES IDEAL CONTEMPORARY HOME

A house that works for us and not one that works its occupants is the ideal contemporary home, Ralph E. Myers, AIA, of Kansas City, Mo., declared in an interview during the annual summer meeting of the North Carolina Chapter of the American Institute of Architects.

The battle for the acceptance of the new style by the American public is just about won, Mr. Myers added. Today's trend toward outdoor living has profoundly influenced modern domestic architecture. Spacious interior design, large window openings, patios and terraces are all used to provide that informal, relaxed feeling.

Contemporary architects have no quarrel with traditional design—which was contemporary in its day—but we do feel that if the traditional house

is an accurate reproduction, it has to lose many of the living advantages of good modern style. Other strong influences have been the need to design comfortable homes with little or no domestic help available and a growing acceptance by the home owner of the bolder use of color.

Modern homes are designed for the simplest possible maintenance and for maximum use of machinery to lighten domestic chores. Families are growing larger and the trend today is away from the two-bedroom house and strongly toward the home with three and four bedrooms.

Mr. Myers particularly paid tribute to the Asheville region. "I've never seen such home sites as you have available all around Asheville. What a place to build a home!"

MILLKEY PRAISES RECORD OF NCAIA

(Continued from page 12)

opened the afternoon session, with the following being installed by Robert L. Clemmer, AIA, Chairman of the Membership Committee:

Transfer Members: Ralph W. Crump, AIA, Winston-Salem; Gordon H. Kunz, AIA, Winston-Salem; Charles H. Reed, AIA, Charlotte; Georgina P. Yeatman, AIA, Beaufort.

Corporate Members: Stuart Oliver Baesel, AIA, Charlotte; Charles H. Boney, AIA, Wilmington; Leslie N. Boney, Sr., AIA, Wilmington; William J. Boney, AIA, Wilmington; R. Holland Brady, Jr., AIA, Tryon; Roy F. Kendrick, AIA, Charlotte; William J. G. Lewis, AIA, Cherryville; Ralfe Mesrobian, AIA, Charlotte; Stuart Reavis Penn, AIA, Hendersonville; George C. Pyne, Jr., AIA, Durham; Richard Sharpe Smith, AIA, Gastonia; Sam Tinsley Snoddy, Jr., Charlotte; Jean Surratt, AIA, Charlotte; Hugh E. White, AIA, Charlotte.

Associate Member: Richard P. Leaman, Raleigh.

Reports were received from the committees on Office Practice, Public Relations, the 1955 AIA Convention, Collaboration of Design Professions, Architect and the Government and Legal Affairs during the afternoon.

Ralph E. Myers, AIA, of Kansas City, presented "Architecture—USA", a film sponsored by the American Institute of Architects, to conclude the

afternoon activities. Mr. Myers compiled the film as a research project under a Brunner Fellowship award.

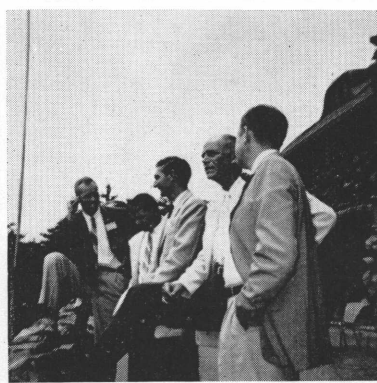
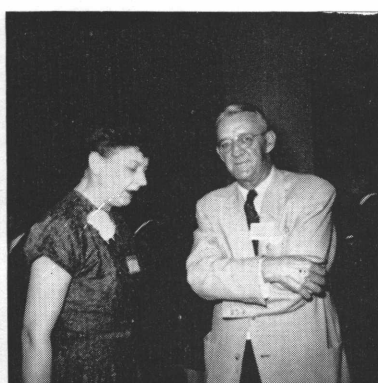
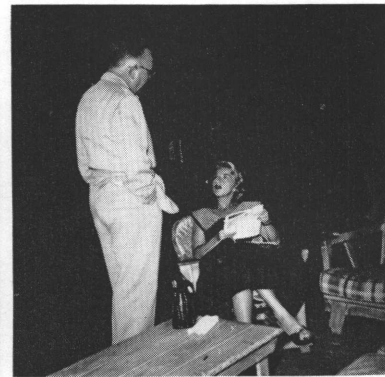
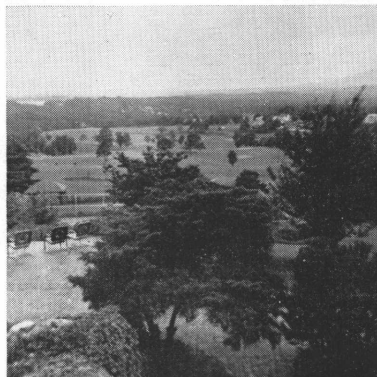
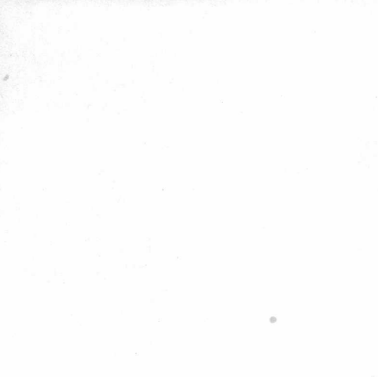
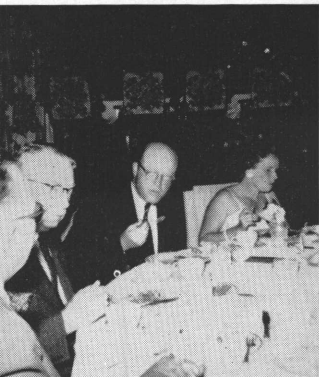
Edmund Harding of Washington, one of the South's best-known after dinner speakers, spoke at the banquet session Friday night and kept his audience in laughter with his wit and humor. The presentation of the awards to Mr. Shumaker and Mr. Odell was made at the Friday night dinner.

Saturday morning marked the final business session, with Mr. Gaines reporting on the activities of the State Examination and Registration Board and the reports of officers being received.

Special entertainment was provided, including a square dance exhibition, a ladies bridge and canasta party by the Mabie-Bell Company, sight-seeing trips to Biltmore House and Mount Mitchell, and receptions by the Arnold Stone Company, Carolina Solite Corporation, and the North Carolina Ready Mix Concrete Association.

ACKNOWLEDGMENT

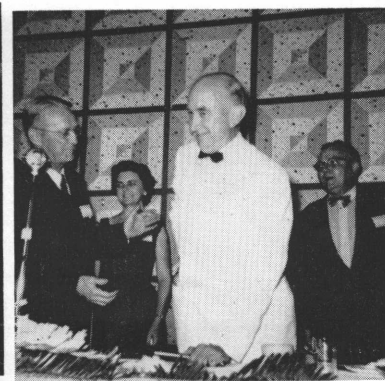
"Fort Raleigh, 1585" by J. C. Harrington, Regional Chief of Interpretation of the National Park Service, which appeared in the June, 1955, issue of "Southern Architect," was reprinted from the December, 1954 issue of the "Journal of the Society of Architectural Historians" by permission of the Editor. Acknowledgment and credit to the "Journal" was inadvertently omitted in reprinting the article. "Southern Architect" regrets this unintentional omission and expresses its appreciation to the Editor of the "Journal" for his cooperation in permitting re-publication.



NCAIA SUMMER MEETING

JULY 14, 15, 16

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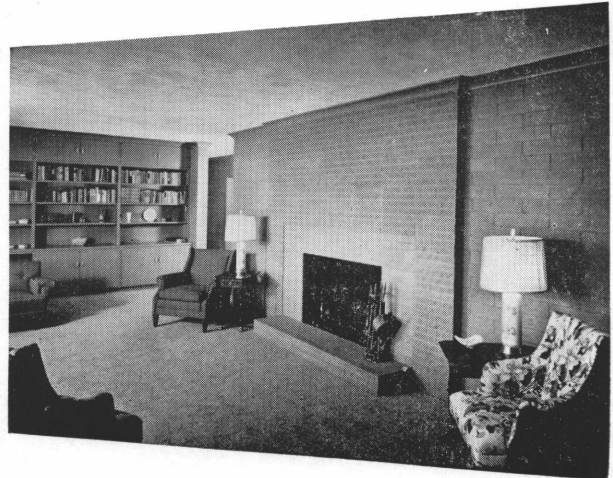
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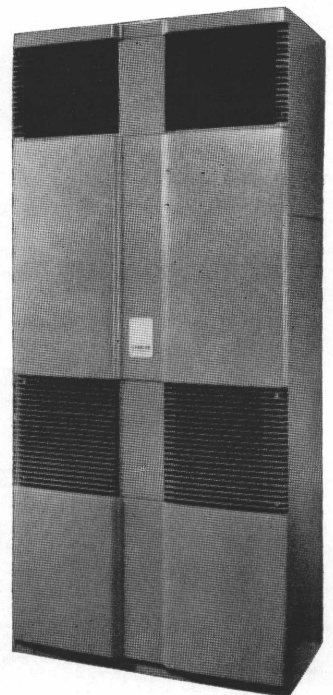
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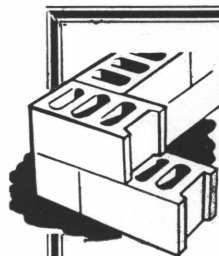
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THE ARCHITECT AND THE STATE

By R. Mayne Albright

(Excerpts from an address by R. Mayne Albright, Raleigh attorney, before the summer meeting of the North Carolina Chapter of the American Institute of Architects in Asheville, July 15, 1955.)

Traditionally, the Architect "stands at the point where art and business meet." A more recent entry at this busy intersection is public affairs. Its appearance can be significant both for the profession and the State.

There are nearly 400 Architects in North Carolina. They have extensive as well as intensive training and interests. They engage in public as well as private work, with the whole State as their field. As individuals they serve on City Planning Boards and many public commissions and councils. As a profession, they now have six Regional Councils, a strong State Chapter of the American Institute of Architects, and their own professional magazine. Architects, by their design and planning are helping develop and improve the appearance of the State. By their increasing interest and participation in public affairs, they can also help lift the spirit of the State, and help shape its future.

It is said that the next great epoch of America's development will be in the South. What role will North Carolina play in this development?

North Carolina's great march of progress since

1900 is an old and familiar story. Out of this half-century of growth preceeded by a longer history of poverty, backwardness, and dissention, there have emerged not one North Carolina but two.

One is a State of which we are justifiably proud. For 50 years, we have made tremendous progress at a rate in excess of the progress of the Nation as a whole.

We have built good schools and good roads. We have pioneered in making these and other public services the responsibility of the whole state rather than that of individual counties or cities.

We have supported the first State Symphony orchestra, sponsored great outdoor historical dramas, a State educational TV channel, a State Museum of Art.

In these ways and many other, and with great natural and human resources, with a great State University, with good race relations, good labor relations, and with sound government, we have earned a reputation as a well balanced, progressive State. Instead of being "the Rip Van Winkle of the States," or a "militant mediocracy" as in earlier days—we now claim, with much justification, to be "the leading State in the most promising region of the greatest Nation in the world."

This is a true picture—so far as it goes. There is another North Carolina however, in which we



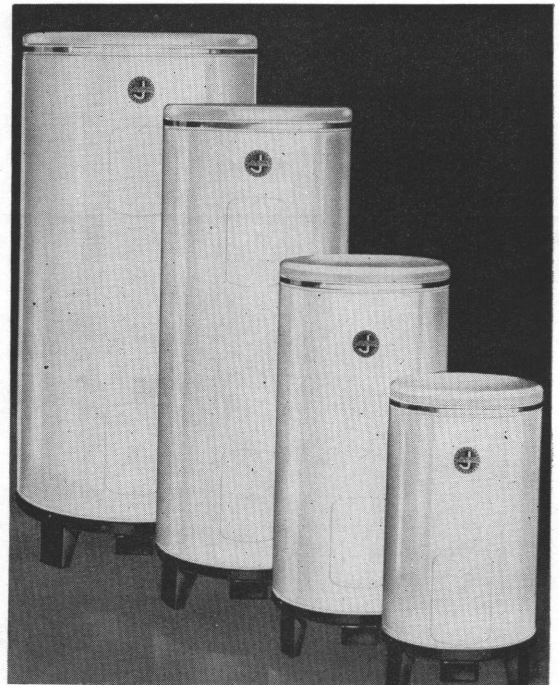
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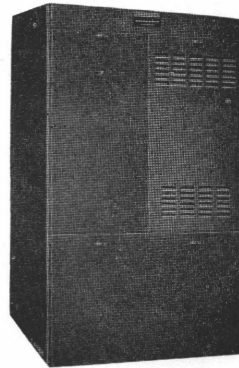
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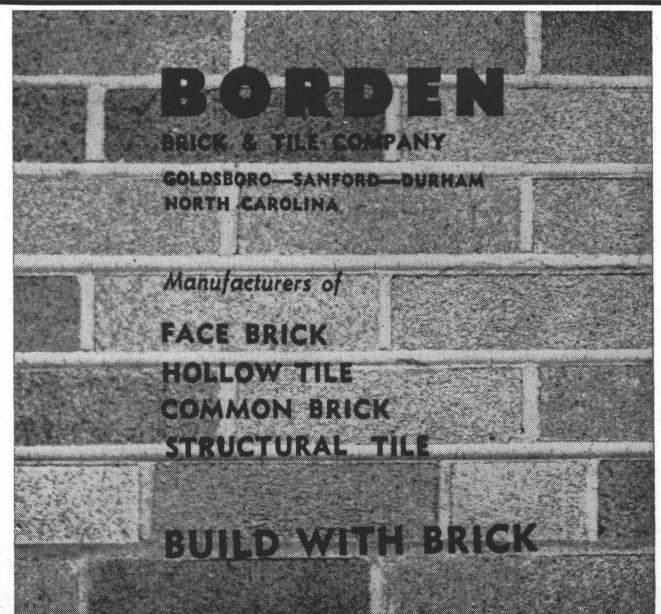
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can take less pride and for which we should have more concern.

North Carolina is the leading State of the South in many things, including the value of our industrial products—but we are 48th among the States in the wage level of our industrial workers. In per capita income—a basic test of our general welfare—only four States are lower than North Carolina. The North Carolina booklet of the late '20's which described us as "The Fifth State Today" was right, except that we actually were nearer fifth from the bottom rather than the top. "Ole 44" the Charlotte News called us then, in a famous editorial, and that is where we still stand today in our relative position in health, wealth, welfare and other things that gauge the development of a people.

We have been slow "to join the Union" in such matters as a State Minimum Wage Law, reasonable labor laws, adequate workman's compensation, unemployment compensation and welfare payments, all of which would raise our per capita income.

We have great natural resources, but we are only beginning to check stream pollution, to conserve water or to reclaim land. We have great human resources, but too many high school and college graduates continue to leave North Carolina for other States, and out of our college age population, the lowest proportion in all the 48 States seek a college education. Even so, by 1970 our college population will have doubled, and in that

decade North Carolina will have a total population of eight million. Lewis Mumford has written that the distribution pattern of our population is now one of our greatest assets, but an asset which can be lost in twenty more years of unplanned urban development.

City planning is developing but with our rapid growth and with all the imbalance of a State that both leads and lags, we have no State Planning Board to coordinate our efforts and to develop the factual and policy issues on which our decisions for the future can be made.

We have been the leader among the Southern States in sound government and stable politics, but as a One-Party State we sometimes lack the political stimulus for the continued progress of which we are capable.

For instance, in the last General Assembly there was a great fight against any new taxes but no great demands for any new progress. As a result, the final Appropriation Bill, large as it was, fell a little short of maintaining present levels, far short of carrying us another step ahead.

The picture of "Two North Carolinas" shows two things: First: That North Carolina has great opportunities to be a leader not only of the South but of the Nation; and Second: That whether she leads or lags in the years ahead is still to be determined. In the epoch of development of the next half-century all States are moving ahead and North Carolina cannot afford not to continue its progress.

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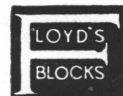
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THE POWER OF SOUND

By John C. Knight, AIA

Sound is a powerful force—properly used and controlled it may yet become a force for good, but set loose as it is in our so-called modern cities it is a force of the very devil himself destroying health, efficiency and comfort. There are pleasing sounds—rippling streams and waterfalls, crackling embers, the roar of the sea—bringing the feel of peace and tranquility. And displeasing sounds, the screech of brakes, shrill blasts from over loud whistles, blaring jukes—noises that not only annoy and prevent rest and relaxation but actually cause mental and bodily harm.

Sound is a pressure variation set up in air or other media by a vibrating object. The frequency of the sound wave is the number of complete cycles of pressure variation—from equilibrium to maximum compression to maximum expansion and return to equilibrium—occurring in one second. When these pressure variations occur at a single frequency, it is called a pure tone. Noise is a complex mixture of a number of these simple pressure variations. The decibel notation is frequently used for expressing sound pressure levels—or in other words, the loudness of sound.

The maximum number of words are understood when speech signals range between 40 and 90 decibels—120 cause discomfort or unpleasantness. Above 140 decibels the plugging of ears is not sufficient to prevent trouble to the inner ear due to induction of sound through the bone structure—the 140 decibel level reaches the pain threshold while 160 have proved to rupture the ear drum. of the head. Minor damage may be done to the human body at 110 decibels while experiments have shown that mice have been killed from overheating at 160 db. and humans experience heat enough to cause pain and inability to perform critical manual acts.

The higher intensities just mentioned occur mainly in industry and industrial areas and thus far our North Carolina cities have not suffered much from industry. The chief offenders with which we have to contend, at the present, are trains, trucks and motor coaches. However, airplanes, automobiles, and background noises contribute to our discomfort to a disagreeable degree. Busses, heavy trucks and diesel or steam trains make noises from 8 to 12 times as loud as the



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- St. Louis Fire Door Company—Counterbalanced Freight Elevator Doors
- S. H. Pomeroy Company—Double Hung Windows
- Sedgwick Machine Works—Freight Elevators, Dumbwaiters
- Concrete Plank Co.—Concrete Roof Plank
- Watson Mfg. Company—Screens for Windows, Doors, etc.
- Pecora Paint Company—Caulking Compound & Weather-proofing
- Bull Dog Floor Clip Company—Floor Clips
- Timber Engineering Company—Timber Connectors
- American Metal Works—Kalamein and Tincad Doors
- International Chimney Corp.—Buffalo, N. Y.
- Gotham Chalkboard & Trim Co.—Chalkboards, Tackboard, etc.
- Superior Fireproof Door & Sash Co.—Hollow Metal Doors & Elevator Enclosures



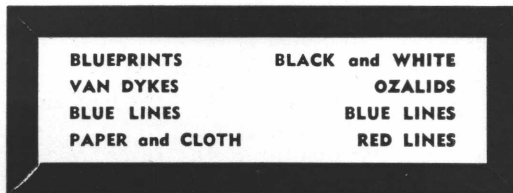
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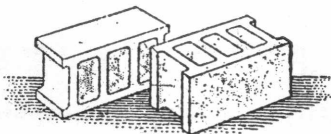
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noise in a busy office, and from 85 to 125 times as much noise as in the average quiet home. Sleep and rest in residential and hospital zones require a noise level between 30 and 70 decibels, but a reasonable amount of city traffic such as automobiles, trucks and mass transportation vehicles reach 65 to 85 decibels. Traffic noise is not only more prevalent but is louder than most industrial noise—in fact, in most industrial areas it is the predominant noise. In residential areas the unidentifiable ambient background noise generally is due to traffic.

In residential areas, traffic noises definitely predominate—other minor causes are children at play, building construction, street repairs, vendors, dogs and miscellaneous sounds including occasional unrestrained singing in the open.

A recent survey of noise in Chicago, which included 50,000 readings of city noise, concluded (1) that city noise requires study by competent people and education on the part of administrators empowered to act; (2) ordinances should be passed which make use of the available yard sticks for measuring noise; (3) traffic noise requires most attention because of its prevalence; (4) alternate routes around towns or around districts can and should be provided for heavy, noisy traffic; (5) traffic routes should be planned with attention to stopping, starting and intersections; and (6) in the early stages of plant location, consideration should

be given to minimizing industrial noise, remembering that trees, shrubbery and grass reduce noise.

In a brief way, this article has meant to define sound—dissonant, discordant, and sound which Carlyle referred to as "the speech of angels;" touch on the subject of measurement of noise; give the principal causes of objectionable noise and its effect on the public; and tell you of the conclusions of an extensive noise survey in Chicago.

Now, it is suggested that North Carolina cities can profit from the example of Memphis, Tennessee, which for many years has been known as "The Quiet City." First came a survey, then an ordinance, then an educational campaign in which the Council of Civic Clubs representing 25,000 citizens, joined along with school children, newspapers, radio stations, and industry. Ten years ago, Memphis was a typical over-noisy American city where motorists used their horns instead of their brakes, whistles shrilled on the slightest pretext, radios blared late and juke boxes were unrestrained. Today a virtual stop has been put to unnecessary din, and its citizens have realized that noise is not an inevitable incident to urban life.

Will you join in such a crusade by your personal example and by explaining to your family, friends and business associates that noise is an expensive demon that damages health, cuts efficiency and causes accidents and costly mistakes?

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A design feature is its special construction for plaster ceilings, without any visible ceiling trim. Visible parts are finished in baked high gloss white enamel, with inside parts baked matte black. To insure an uninterrupted construction schedule, the unit is designed to allow all electrical work to be done at one time while easily accessible.

For new plaster ceilings, plaster ring is installed while wire lath is being hung, the yoke and plaster ring being easily slipped together. For dry ceilings, no framing is required. The plaster ring is installed before the ceiling is hung. It uses the low cost new 2,000 hour Par 38 150 watt, Par 46 200 watt, or Par 56 300 watt types. Kurt Versen Company, Englewood, N. J.

A wide tension screen for quick screening of porch or breezeway is Dural **PAN-ORAMIC** porch screen. It is designed to achieve visibility unimpeded by closely spaced upright supports. The screen is supplied in widths up to 6', in any lengths required, and operates somewhat like the common window shade or venetian blind. Suspended from the top, screens roll down easily to floor level, where it is secured. Durall Products Company, 6th Avenue, York, Pa.

A new inexpensive device to do away with the difficult job of replacing broken sash cords in windows has been developed called the **WINDOW-SNUG**. It is the only window balance and tightener which is fully adjustable after installation, enabling it to balance any weight window or be adjusted for swelling or warping of the sash.

WINDOW-SNUGS are easily installed, plated against rust, and cannot wear out. They are available through hardware stores and lumber companies. C. R. Vogt & Company, Inc., 1528 Third Ave., Moline 14, Ill.

Masonite **SHADOWVENT** siding is a free-floating, prime-coated combination of Masonite tempered presswood and a patented aluminum shadow line strip. The siding comes in two widths, about 10" and 12", and is applied by placing its slotted edge over the aluminum shadow strip which has previously been nailed to the sheathing. The metal strip is hidden from view and no face nailing is required in the presdwood. Lengths are up to 12' and shadow strips come in 10' lengths, packaged 500 lineal feet to a cardboard tube. A feature of the metal strip is the venting at 8" intervals to allow the escape of moisture. Specially designed metal corners can be bought in connection with this siding. The new 1/4" siding is primed on the surface and on the bottom edge, with a clear sealer on the back. The Masonite Corporation, 111 West Washington Street, Chicago 2, Ill.

Plastic shields for fluorescent lighting fixtures capable of light transmission values up to 70% and possessing exceptional hiding power have been announced. Extruded of lightweight polystyrene material, the new shields have a lustrous surface finish and are capable of hiding the light source silhouette completely when assembled at a distance of 1 inch or more from the fluorescent tube.

In comparative tests, under identical conditions of accelerated ultra-violet exposure, the light stability characteristics of the new material have been found equal to or better than all other presently available polystyrene materials.

Designated **DG-70**, the new material is said to achieve its high light transmission characteristics by control of light refraction. According to the manufacturer, the development means that fluorescent fixture manufacturers can now improve the lighting efficiency of their products and at the same time enhance the beauty and style of their fixtures.

It is further reported that the light transmission values of the material can be varied to conform to a wide range of specifications. It can, therefore, be used in a wide variety of fixtures. Sheffield Plastics, Inc., Sheffield, Mass.

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STEELBESTOS, a fire-resistant, asbestos-protected metal for industrial roofing and siding, is now available with a fire and corrosion-resistant paint finish, as well as the standard black asphalt finish coat. Any color of paint can be matched to suit the needs and color scheme of the particular job.

STEELBESTOS is available in four different corrugations in lengths up to 12 feet. American Steel Band Co., Box 565, Pittsburgh 30, Pa.

A new all-in-one metal window that delivers with hardware installed and completely glazed, is now being manufactured. This new Radco **SLIDE-A-VENT** all-aluminum window is designed to save the builder the expense of on-the-job glazing, adjusting and framing.

Windows and screens are supplied fully assembled in all standard sizes, as well as special sizes. Trim and hardware are installed and window is fully adjusted at the factory. Sliding vent unit is permanently vinyl-glazed, with snap-on aluminum beading used on the fixed section. Built-in sill and head drips are on the window. Installation is simple; frame is placed in wall opening and nails are driven in a formed nailing slot. Complete weatherseal protection is provided against water, dust, sand and drafts.

Cost of the **SLIDE-A-VENT** window is competitive to metal and wood windows. Radford Supply Company, 110 West Providencia, Burbank, California.

A new catalog on efficient equipment for mail and small materials handling has been released by Federal Equipment Company, Carlisle, Pennsylvania, producers of bag racks, sorting cases, lock boxes and similar items.

Photographs, dimensions and materials of construction are included along with other data needed to insure the purchase or recommendation of the most efficient equipment for every mail-handling purpose.

The catalog also includes information about engineering and layout services which are available to post offices, schools, institutions, industrial firms and architects. Federal Equipment Company, Carlisle, Pa.

Uses in light and heavy construction of lumber pressure-treated with Wolman salts are detailed in non-technical language in a new 16-page illustrated booklet released by the Wolman Preservative Department of Koppers Company, Inc.

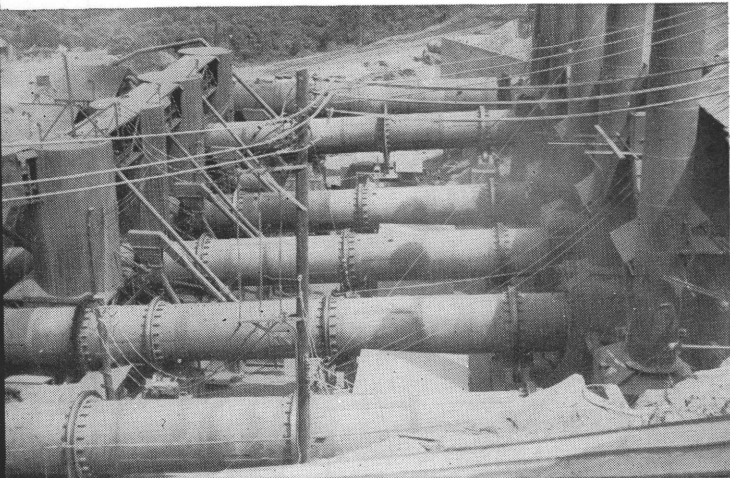
A breakdown is presented, also, of the widely varied fields in which this type of treated lumber may be used most effectively, as well as the specific advantages of its application in each of the construction areas.

Copies of this booklet may be obtained on request. Wolman Preservative Department, Koppers Company, Inc., 1301 Koppers Building, Pittsburgh 19, Pennsylvania.

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ARCHITECTS AND BUILDERS IN THE NEWS

OPENS OFFICE

Robert W. Conner of High Point announces the opening of offices for the practice of architecture at 244 South Main Street, High Point. Mr. Conner is an associate member of the North Carolina Chapter of the American Institute of Architects.

HOLTON PROMOTED

Appointment of C. Buckley Holton of Charlotte as assistant to E. C. Walbridge, General Manager of Libbey-Owens-Ford Glass Company distributor sales, was announced recently by E. M. Everhard, Vice President in

charge of sales. The appointment was effective August 15.

REPRESENTS HIAWATHA

Livingston E. Atkins, Jr., of Charlotte has been named manufacturer's representative for Hiawatha Metalcraft, Inc., of Minneapolis, Minn., for North Carolina, South Carolina, Alabama and Eastern Tennessee.

Hiawatha Metalcraft, Inc., manufactures a quality line of miscellaneous door hardware, including all types of push and pull bars and handles, and kick and mop plates, providing architects with a wide range of selection for entrance design.

UNITED IN MARRIAGE

Miss Betty Lynn Barnwell and Harold Leonard Cooler, AIA, of Charlotte, were united in marriage Wednesday, August 3. The vows were spoken at the First Presbyterian Church of Burlington, with Dr. Chester Alexander performing the ceremony.

Mrs. Cooler is the daughter of Mrs. Robert William Barnwell of Burlington, while Mr. Cooler is a member of the architectural firm of McDowell & Cooler, AIA, of Charlotte.

LIONS SECRETARY

Jean Surratt, AIA, of Charlotte has been elected Secretary of the newly-organized Charlotte Western Lions Club.

NAMED SECRETARY

H. W. Oetinger, executive assistant, Duke Power Company, has been appointed Secretary of the Southern District of the American Institute of Electrical Engineers for a two-year term, which began August 1. A Fellow in the Institute, Mr. Oetinger recently completed a term as Chairman of the North Carolina Section.

FORM PARTNERSHIP

The formation of the architectural firm of Clemmer & Horton, AIA, Architects, of Hickory was recently announced by Robert L. Clemmer, AIA, and Frank Horton, AIA, of Hickory.

The new firm replaces the former firm of Clemmer, Horton, & Rudisill, Architects and Engineers. Mr. Rudisill will engage in engineering work and head a new manufacturing company in Lenoir.

Mr. Clemmer and Mr. Horton announced that the services of the firm will continue without interruption and all obligations of the former partnership have been assumed by the new firm.

JOINS REALTY FIRM

Walter W. Hook, Jr., has become associated with the Charlotte real estate firm of C. L. C. Thomas Company. Mr. Hook is the son of Walter W. Hook, FAIA, prominent Charlotte architect.

Gate City Announces New Type H Wood Awning Windows

WOOD STOP GLAZING

Glass is bedded in putty with wood stop exterior glazing. Completely eliminates all putty problems.

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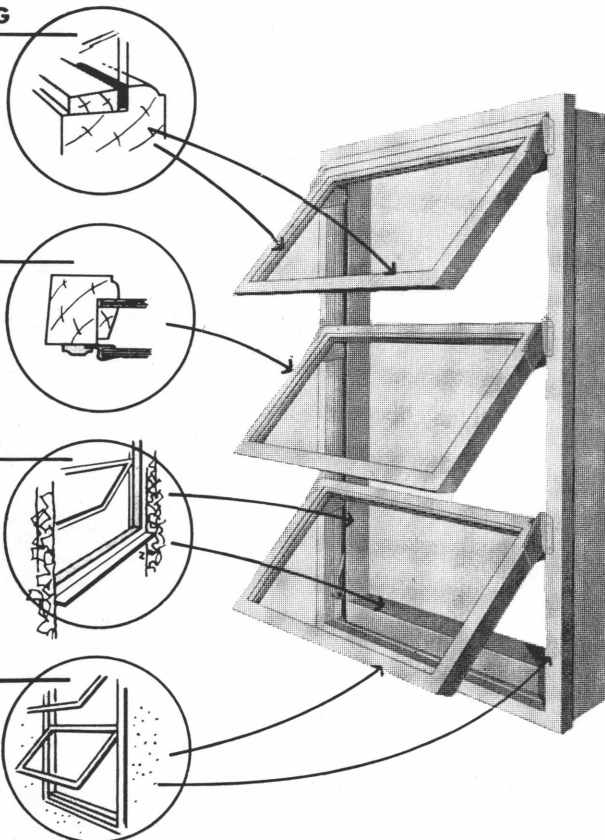
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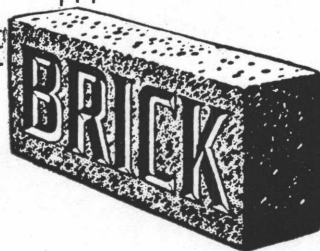
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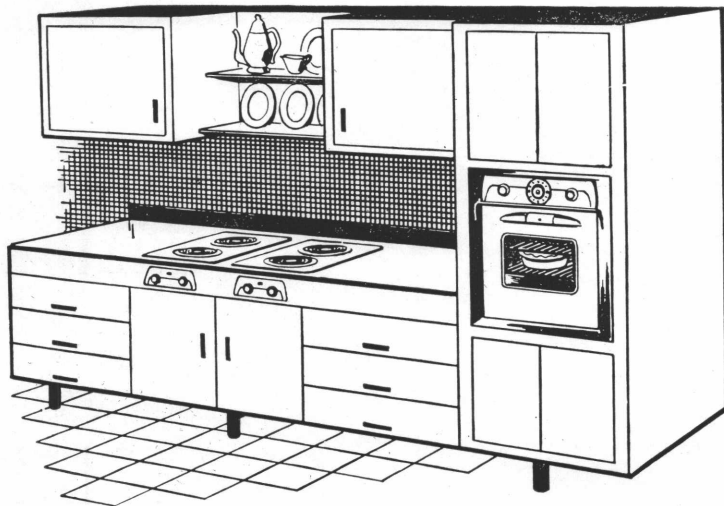
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