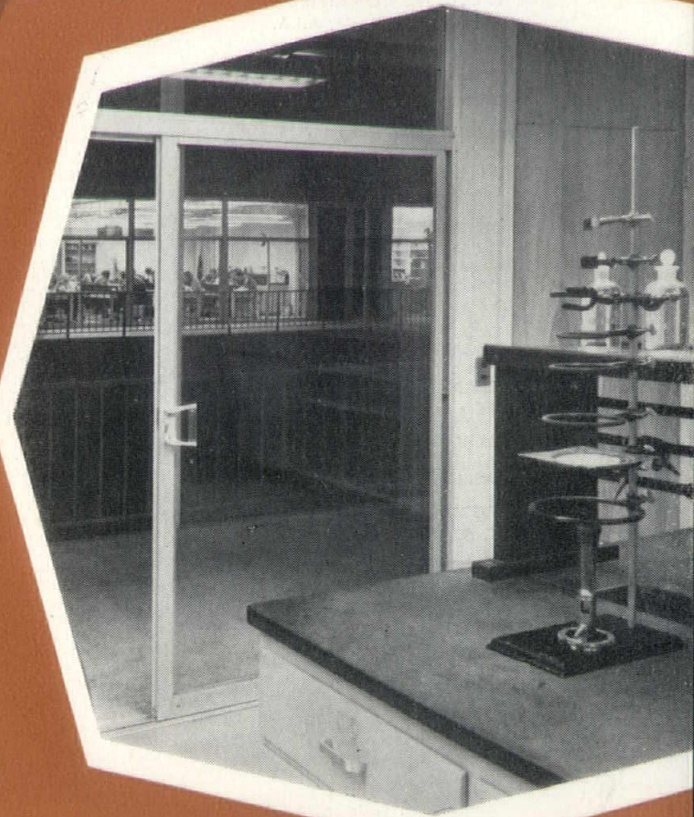


APRIL 1963

MISSISSIPPI INSTITUTE
OF ARCHITECTS
LIBRARY
APR 23 1963



MISSISSIPPI

ARCHITECT



The AMERICAN INSTITUTE of ARCHITECTS MISSISSIPPI CHAPTER

The American Institute of Architects is the national organization of the architectural profession, and its initials A.I.A. following the architect's name have come to be recognized publicly as a certificate of merit. His membership in the A.I.A. attests to the architect's integrity, proven professional qualifications, and good standing in his community.

EXECUTIVE COMMITTEE

James G. Chastain, A.I.A.
President

Joe T. Pursell, A.I.A.
Vice President

Kenneth W. Hayes, A.I.A.
Vice President

John C. Skewes, A.I.A.
Secretary-Treasurer

James E. McAdams, A.I.A.

William R. Henry Jr., A.I.A.

BILOXI

John T. Collins, A.I.A.
Leonard Collins, A.I.A.
Henry F. Fountain, A.I.A.
Carl E. Matthes, A.I.A.

BROOKHAVEN

John Bishop Seavey, A.I.A.

CLARKSDALE

John C. Skewes, A.I.A.

COLUMBUS

Fred L. Harrison, A.I.A.
William I. Rosamond, A.I.A.

CORINTH

B. A. England, A.I.A.

GREENVILLE

Harold Kaplan, A.I.A.
Matthew L. Virden III, A.I.A.

GREENWOOD

James E. McAdams, A.I.A.

GULFPORT

Flynt M. Hall, A.I.A.
Kenneth W. Hayes, A.I.A.
Milton B. E. Hill, A.I.A.
Vinson B. Smith, A.I.A.

HATTIESBURG

Stephen H. Blair Jr., A.I.A.
David K. Hemeter, A.I.A.
Juan E. Landry, A.I.A.
Juan G. Landry, A.I.A.

Carl E. Matthes Jr., A.I.A.
J. Warren McCleskey, A.I.A.
J. Warren McCleskey, Jr., A.I.A.

HOLLY SPRINGS

Hugh H. Rather, A.I.A.

JACKSON

William R. Allen Jr., A.I.A.
Charles C. Barlow, A.I.A.
Robert B. Bassett, A.I.A.
Thomas J. Biggs, A.I.A.
Raymond Birchett, A.I.A.
B. A. Brady, A.I.A.
George Lee Brock, A.I.A.
W. A. Browne, A.I.A.
Harold C. Brumfield, A.I.A.
William E. Campbell, A.I.A.
James T. Canizaro, A.I.A.
James G. Chastain, A.I.A.
James Watts Clark, A.I.A.
Vance D. Clemmer Jr., A.I.A.
Charles H. Dean Jr., A.I.A.
Eugene Drummond, A.I.A.
Frank P. Gates, A.I.A.
William L. Gill, A.I.A.
Earl T. Gilmore, A.I.A.
Arthur J. Godfrey, A.I.A.
Harry Haas Jr., A.I.A.
William R. Henry Jr., A.I.A.
John F. Hester, A.I.A.
Grady L. Hicks, A.I.A.
Ransom Cary Jones, A.I.A.
C. C. Kenney, A.I.A.
James C. Lee, A.I.A.
Jay T. Liddle Jr., A.I.A.
E. L. Malvane, A.I.A.
Emmett Malvane, A.I.A.
John M. Mattingly, A.I.A.
Charles P. McMullan, A.I.A.
Charles C. Mitchell, A.I.A.
William D. Morrison, A.I.A.
R. W. Naef, F.A.I.A.
Edward Ford Neal, A.I.A.
E. E. Norwood, A.I.A.
N. W. Overstreet, F.A.I.A.
Joseph Russell Perkins, A.I.A.
Joe T. Pursell, A.I.A.
Frank E. Rice, A.I.A.
Harry S. Shields, A.I.A.
John W. Staats, A.I.A.
T. N. Touchstone Jr., A.I.A.
John L. Turner, A.I.A.

John M. Ware, A.I.A.
Joseph T. Ware Jr., A.I.A.
Harry E. Weir, A.I.A.
Edward J. Welty, A.I.A.
Dudley H. White, A.I.A.

LAUREL

John W. Hunt, A.I.A.
John C. Suffling, A.I.A.

McCOMB

William Ragland Watkins, A.I.A.

MERIDIAN

Bill Archer, A.I.A.
Luther L. Brasfield, A.I.A.
Robert B. Clopton, A.I.A.

MISSISSIPPI CITY

Lloyd K. Grace, A.I.A.
Willis T. Guild Jr., A.I.A.
Robert D. Ladner, A.I.A.

NATCHEZ

Beverly Martin, A.I.A.

PASCAGOULA

Peter J. Baricev, A.I.A.

STARKVILLE

Thomas H. Johnston Jr., A.I.A.
Thomas Shelton Jones, A.I.A.

SUMMIT

John H. Ryan, A.I.A.

TUNICA

John H. Pritchard, F.A.I.A.

TUPELO

Robert B. McKnight, A.I.A.
Clarice M. Payne, A.I.A.

MEMBERS EMERITUS

John H. Harvey, A.I.A.E.
Fresno, Calif.
Wilfred S. Lockyer, A.I.A.E.
Pacayune
Robert J. Moor, A.I.A.E.
Destin, Fla.

Associates: William L. Addikson, Boyce C. Biggers, Larry L. Bouchillon, Beverly Ann Bradley, F. Marion Brewer, Robert Burns Jr., Leon W. Burton, Alton B. Clingan Jr., Lynton B. Cooper, Nicholas D. Davis, William A. Easom, Thomas J. Gardner, Eugene M. Hansen, Max L. Harris, Robert Harrison, Alfred B. Hicks, Monroe J. Hilton Jr., William O. Hilton Jr., Charles Howard, James C. Jenkins, J. D. Jernigan, Wannie C. Kennington, William Lawrence, Cronan LeBlanc, A. Neilson Martin, William D. May, John M. Montgomery, James E. Moorhead, Clinton D. Nickles, Jerry A. Oakes, Carl Y. Parker, Francis F. Parker, Sidney E. Patton, J. Almont Pierce, Leslie P. Pitts, Malcolm L. Pointer, J. Ed Ratliff, Moody Reed Jr., Robert W. Riggins, James Cooper Rimmer, C. R. Slaughter Jr., Charles R. Smith, John T. West, Robert H. Westerfield, Malcolm D. Wetzel, Enoch J. Williams.

Junior Associates: Marion Fox, Charles R. Gardner, William W. Kelly Jr., Jesse C. Pearson, Connelly Plunkett, George A. Smith, Thomas H. Smith, Thomas O. Wakeman, John M. Ware Jr., Irvin C. Westerfield, Ralph Alvin Whitten, Howard B. Zeagler.

Mississippi Architect is published monthly by the Mississippi Chapter of the American Institute of Architects, in conjunction with Construction News, Inc. Opinions expressed herein are those of the editor and contributors and not necessarily those of the Mississippi Chapter, A.I.A. Inquiries may be addressed to P. O. Box 9783, Jackson, Mississippi

William R. Henry Jr., A.I.A.
Editor

Harry Haas Jr., A.I.A.
Edward Ford Neal, A.I.A.
Editorial Advisors

COMPETENCE

Mississippi law says: "In order to safeguard life, health and property, no person shall practice architecture in this state, or use the title 'Architect', or any prefix, suffix or other form thereof, or any title, sign, card or device to indicate that such person is practicing architecture, or is an architect, unless such person shall have secured from the board a license. . . ."

In order to qualify for a license from the State Board of Architecture, one must be a graduate of an accredited school of architecture (five-year course) and must have been employed by a Registered Architect for a minimum of three years. Equivalent competence may be established by extensive examination and employment in responsible charge of work. This means that the Registered Architect has had a minimum of eight years training and experience prior to being licensed. He seldom offers himself as an independent practitioner until that period has been extended to ten, twelve, or more years.

Such training and experience is deemed necessary because the design of a building is a complex process that requires the coordination of many types of planning. A building must be functional so that it serves well the needs that prompt its creation. A building must have sound engineering — structural, electrical, plumbing, heating, and cooling. Materials and equipment must be selected intelligently and sensible construction methods employed. "Interior Decorating" should be an extension of the building design and part of a harmonious whole. A building certainly should be visually pleasing, even beautiful. Exterior design and site planning should give consideration to the present and future relationship of the building and its immediate surroundings. All of this must be accomplished within the bounds of the owner's requirements and budget.

The architect must possess basic knowledge in all of these fields. He supplements his own knowledge by employing professional consultants — structural engineers, electrical engineers, etc. Creative ability, planning ability, engineering ability, experience, judgment, and professional attitudes vary greatly from one architect to another. The owner must evaluate these things.

The law sets a *minimum* standard for competence. Buildings are seen, occupy space, serve useful needs, and are costly. Their planning merits no less than the services of a Registered Architect.

—Bob Henry

HINTON HALL
PERKINSTON JUNIOR COLLEGE
Perkinston, Mississippi



COLLEGE SCIENCE

WITH the launching of the space exploration program in America, the need for scientists and science technicians has become urgent. The companion need for a general understanding of science by the public has become even more apparent. Hinton Hall, the new science building at Perkinston Junior College, reflects some of this growing interest in the field of science.

More than 1000 students, primarily from Harrison, Jackson, George and Stone Counties, are enrolled for the first two years of college or vocational technical programs of study at Perkinston.

The new science building already is at capacity use, with basic courses offered there in chemistry, physics and biology.

Throughout the design of the science building project, the architects made an effort to create an environment which would eliminate external distractions, but stimulate interest by providing internal attractions.

The building site is bounded on the north by physical education exercise fields, on the west by tennis courts, on the south by future building areas, and on the east by the main entrance into the campus.

To minimize distractions by the unrelated adjoining activities, the exterior walls of the building were built of solid masonry with windows located above eye-level. All rooms used as teaching stations open directly onto a large interior court. Hydroponics beds for growing plants with chemicals, beds for soil plants, and a pool for use as an aquarium are provided within the court. A place also is reserved for a future tower and telescope.

Since the building is not air conditioned, sliding glass doors afford a means of cross ventilation. Fumes and odors created in laboratory experiments can be cleared into the open court. The court also serves as a natural gathering space for science students and faculty between classes and at breaks during long lab sessions.

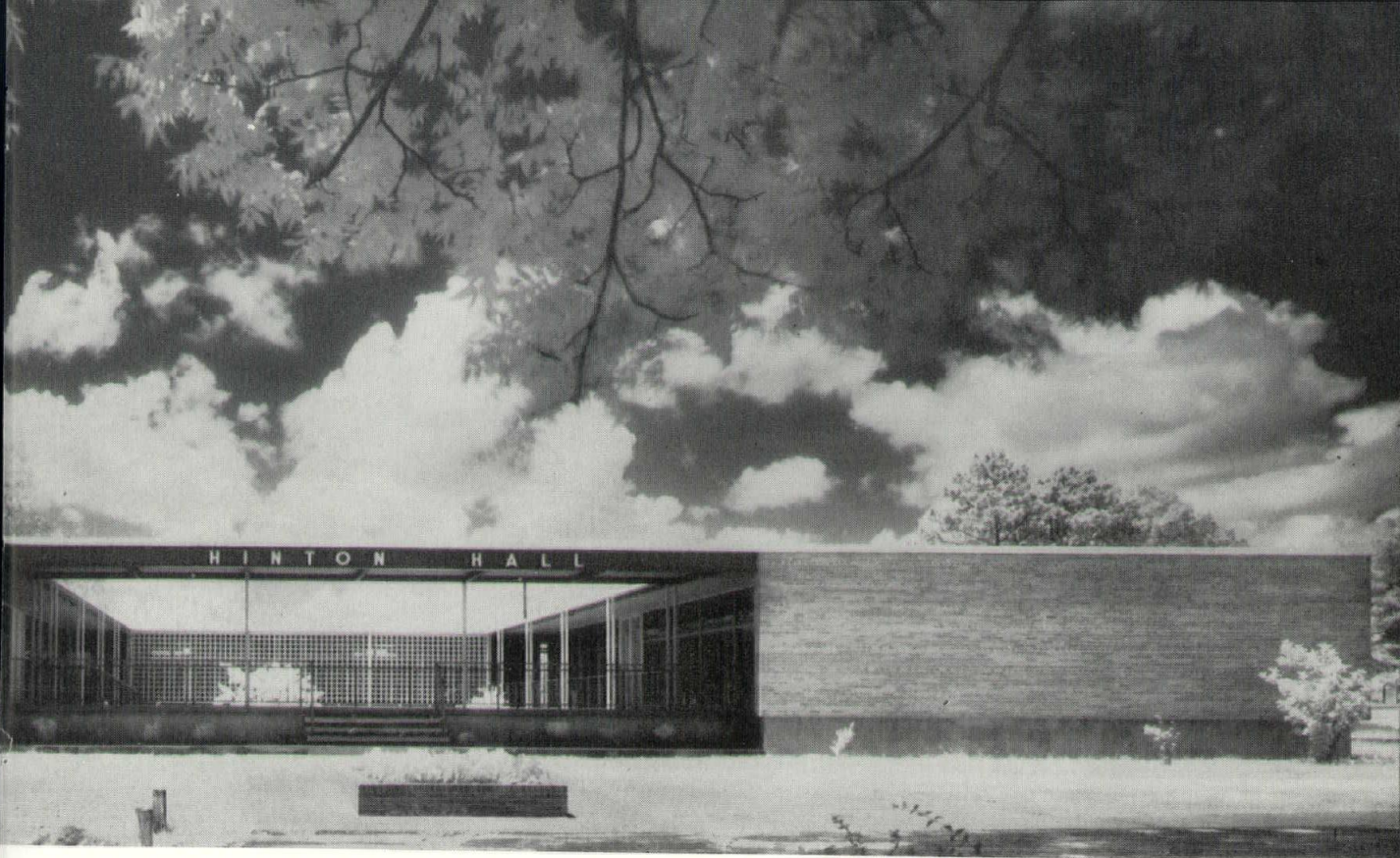


Photo by Frank Lotz Miller

BUILDING

Hinton Hall is divided into three rectangular areas, one area housing chemistry, one physics and the third biology. The chemistry rectangle contains two laboratories, a lecture room and faculty office. The physics and biology rectangles each contain a laboratory, lecture room and faculty office. Rest rooms and the mechanical equipment room are located in one corner of the building.

The floor of the building is three feet above the ground in order to provide crawl space for repairing and replacing plumbing lines serving the laboratories. The floor and foundation are concrete; the walls, brick exterior and concrete block interior.

Exposed steel joists on steel columns support a flat roof deck of two inch insulating composition board. Vinyl asbestos tile is used on the floor of the chemistry labs and asphalt tile is used on the floors elsewhere. All interior lights are fluorescent and heating is provided by hot water fan-coil units.

WILLIAM R. ALLEN JR., A.I.A.

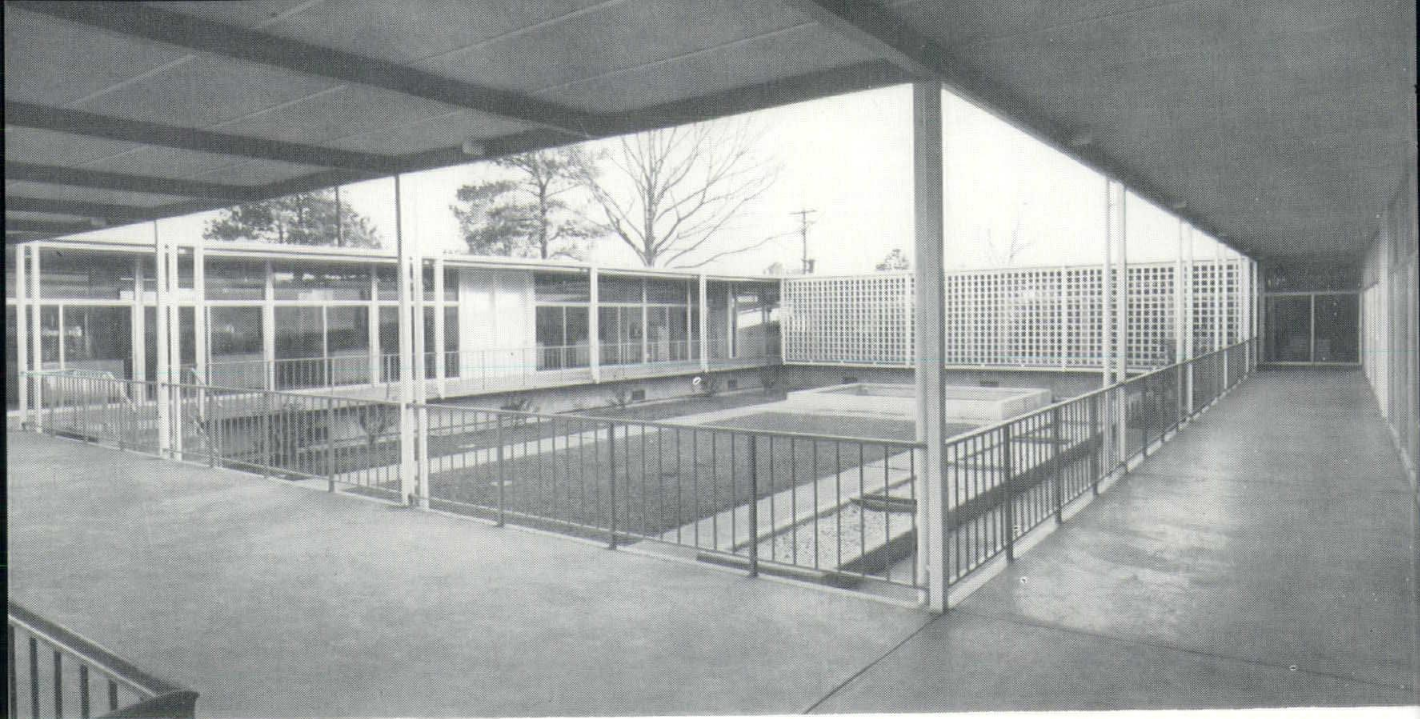
LLOYD K. GRACE, A.I.A.

WILLIS T. GUILD JR., A.I.A.

Associated Architects

GRACE & GUILD, A.I.A., ARCHITECTS

Principals in Charge of Project



COLLEGE SCIENCE BUILDING

Photos by Chauncey T. Hinman

AREAS:

Enclosed Building—8358 square feet
 Covered Walks—2920 square feet
 Court—3384 square feet

COSTS:

Building, Walks, Court—\$120,273.00
 Equipment (complete,
 including laboratory
 furniture) \$ 25,000.00

CONSULTANTS:

Mechanical—John S. McCormick & Associates, Gulfport, Mississippi
 Electrical—Zervigon, Goldstein, Associates, Gulfport, Mississippi
 Structural—Post & Witty, Jackson, Mississippi

GENERAL CONTRACTOR:

Leon C. Miles, Inc.
 Columbia, Mississippi

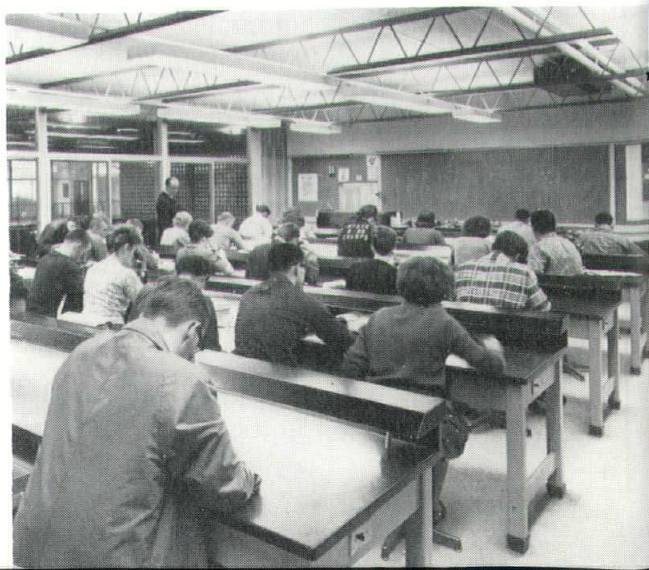
EQUIPMENT CONTRACTOR:

Martin School Equipment Company
 Jackson, Mississippi

Letters to Editor

We invite you to write Mississippi Architect with any suggestions or inquiries you care to make on any subject relating to architecture. This is your magazine—your thoughts will be welcome and can be helpful in making this the kind of publication you want.

—The Editor



GENERAL COMPONENTS, INC.

ROOF TRUSSES

Quality Truss Builders

4171 NORTHVIEW DR.
JACKSON, MISS.
EMerson 6-3116

2130 - 23rd AVENUE
GULFPORT, MISS.
UN 3-3352

P. O. Box 1633
Phone FL 5-3427

Phone FL 5-3428



961 FAIRGROUNDS STREET
JACKSON, MISS.

"For Rugs Cleaned Well And Carpets
That Excell Call George Bell"

CAPTIOLO HARDWARE CO., INC.

- YALE & TOWNE
CONTRACT HARDWARE
- WILSON DOORS
ROLLING STEEL — WOOD — CLOSURES
- LUPTON WINDOWS
ALUMINUM — STEEL — CURTAIN WALL
- GLOBAL PARTITIONS
TOILET — HOSPITAL



MISCELLANEOUS SPECIALTIES — COMPLETE LINE

3006 W. NORTHSIDE DR. 362-2484
JACKSON 6, MISSISSIPPI
P.O. BOX 9597

Ridgway's

REPRODUCTION
MATERIALS
ARCHITECTS
AND
ENGINEERS
SUPPLIES

L. L. RIDGWAY COMPANY, INC.

103 E. PEARL ST.
JACKSON, MISSISSIPPI

FL 5-4751



Building Products Company
WHOLESALE EXCLUSIVELY

FORMICA **KENTILE**

106 Oakdale St. Phone 352-4064
JACKSON, MISSISSIPPI

SAM McMURRAY

J. E. PUCKETT

**QUALITY CONSTRUCTION
BEGINS WITH GOOD LUMBER!**

ALWAYS SPECIFY THE BEST
QUALITY MPMA GRADE-MARKED

SOUTHERN PINE

PRODUCED AND SOLD BY MEMBER MILLS OF
MISSISSIPPI PINE MANUFACTURERS ASSN.
535 COLLEGE ST. JACKSON, MISS.

JACKSON STEEL COMPANY, INC.

Reinforcing Steel and Allied Accessories

DIAL FL 5-7457

969 SOUTH ROACH ST.

P.O. BOX 2671
JACKSON, MISSISSIPPI

JACKSON Stone COMPANY
INCORPORATED

MANUFACTURERS

- ARCHITECTURAL STONE
- VIBRAPAC MASONRY UNITS
- EXPOSED AGGREGATE PANELS

330 W. MAYES ST.

EMerson 6-8441

JACKSON, MISSISSIPPI

STEVENS
Sheet Metal Contractor

The old reliable specialized in custom sheet metal work from 2692 up to 1/4" plate

Also copper, brass, stainless steel and
Aluminum work

822 SOUTH WEST STREET

JACKSON, MISSISSIPPI

TELEPHONE IDlewood 2-5326

440 MAIN STREET



E. B. BRIELMAIER
PLATE GLASS • WINDOW GLASS
STORE FRONTS

BILOXI, MISSISSIPPI

THE BUSINESSMAN'S DEPARTMENT STORE

- Office Furniture
- Office Supplies
- Office Machines
- Printing
- Rubber Stamps
- Library

GREETING CARDS & GIFTS

STAFF DESIGNER • STAFF ARTIST

The
OFFICE SUPPLY
COMPANY

"Complete Office Designers, Outfitters and Printers"

509 East Capitol Street Jackson, Miss. Dial FL 3-4734

ROEVER & McHANN
PAINTING COMPANY

- COMMERCIAL
- INDUSTRIAL
- RESIDENTIAL

2178 HICKORY DR.

372-6501

JACKSON, MISSISSIPPI

Wetmore & Parman, Inc.

Contractors and Builders



649 N. Mill St.

355-7443

Jackson, Mississippi

A. L. Parman, President W. A. Schmid, Vice-President



Artist's impression of a possible layout for the Ontario Research Foundation's various buildings on the new site. O.R.F. will be the nucleus of the Research Community.

SHERIDAN PARK

RESEARCH COMMUNITY

THE ONTARIO RESEARCH COMMUNITY, Sheridan Park—a joint project of Industry and the Ontario Research Foundation—was officially opened last January.

At the Sheridan Park site of the planned Research Community the ceremonial sod-turning was effected by the Hon. W. G. Davis, Minister of Education, in whose constituency the Research Centre is located. The ceremony included the planting of a tree by Dr. A. D. Misener, Director of the Ontario Research Foundation, assisted by senior officials of the Companies participating in the Research Community.

Following a brief message of congratulations by Mr. R. W. Macaulay, Minister of Economics and Development, Dr. A. D. Misener, Director of the Ontario Research Foundation addressed the 200 guests comprising Canada's top industrialists, research leaders, and educators.

Dr. Misener outlined the sequence of events leading up to today's opening celebrations. Because of space limitations on its present site in Toronto, O.R.F. decided about two years ago to move to a new location. At that time the idea of a Research Community was conceived, and O.R.F. was faced

(Continued on following page)

SHERIDAN PARK

(Continued from page 3)

with two alternatives:

- 1) A site could be selected suitable for O.R.F.'s needs only, or
- 2) A site could be selected such that industry could conveniently buy land and build research laboratories in close proximity to O.R.F.—thereby making provision for a Research Community with O.R.F. as its nucleus.

"Since O.R.F. is not affiliated with any particular industry, and since it is not a government institute, O.R.F. was the most suitable organization in Canada to develop such an undertaking."

"We first made a careful study to ensure that a Research Community was a sound idea from industry's viewpoint," said Dr. Misener, "after which we went ahead to select a suitable site for a Research Community."

"About 35 sites were considered all told," said Dr. Misener, "before we finally decided on the Sheridan Park location."

He paid tribute to Mr. Finch, Managing-Director of the United Lands Corporation for the generous and unstinting assistance given by this Company.

"When we agreed to this site in Park Royal," said Dr. Misener, "United Lands accepted about the most restrictive terms ever imposed on a land development company—exhibiting beyond any question an altruistic as well as a commercial interest in the project. We owe a debt of thanks to Mr. Finch and the United Lands Corporation."

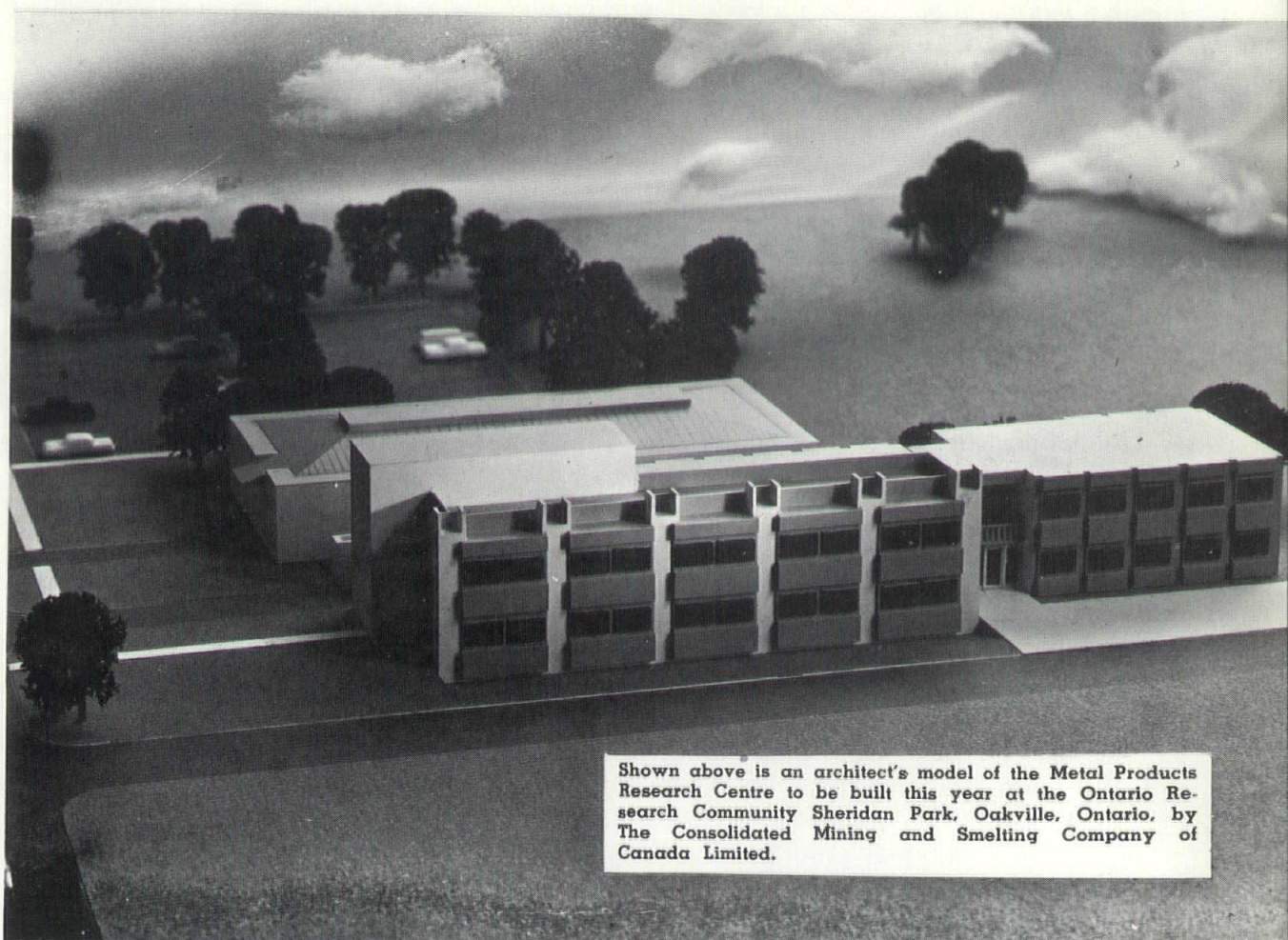
The Research Community is located on 293 acres of land on the north side of the Queen Elizabeth Highway, midway between Toronto and Hamilton (in Toronto Township between Fifth Line and Town Line). As the nucleus of this Research Centre, O.R.F. will occupy 100 acres.

Three major Companies which have already made plans to locate research laboratories in the Research Community are The Consolidated Mining and Smelting Company of Canada, Dunlop Rubber Company, and The International Nickel Company of Canada. These Companies have played a prominent role in the planning of the Research Centre.

Dr. Misener stressed the value of this type of research centre in attracting research personnel. "By creating a suitable environment, including cultural and social amenities as well as pleasant academic surroundings, we will simplify the problem of acquiring scientific manpower. These people

Research Heads examine model of artist's impression of how The Ontario Research Community may look in 1970. Left to right—Dr. A. D. Misener, Ontario Research Foundation; Dr. N. S. Grace, Dunlop Canada Limited; A. O. Wolff, Consolidated Mining and Smelting Company Limited; L. S. Renzoni, International Nickel Company of Canada Limited.





Shown above is an architect's model of the Metal Products Research Centre to be built this year at the Ontario Research Community Sheridan Park, Oakville, Ontario, by The Consolidated Mining and Smelting Company of Canada Limited.

are in short supply and high demand, and since they call the tune, we must provide the opportunities for them, and thereby retain their talents in Canada."

Present plans for the Research Community include the most up-to-date servicing systems, communications systems, power, water, gas systems, etc. Bell Telephone plans to install the most advanced facilities on the continent. Already being designed is a modern high-rise building to house a computer and data processing centre, and to provide accommodation for consulting engineers, and other professional services. Plans also include the building of a Conference Centre, Lecture Theatre, and other special features.

"I expect total population on the site to eventually reach six to ten thousand people," said Dr. Misener, "We look for this Centre to attract technical societies from all parts of the continent, as a site for their conventions and seminars."

To administer future land sales within the Community and other community development projects, a new non-profit corporation has just been formed—called Ontario Research Community Incorporated. This non-profit Corporation will raise money

to purchase the remaining land from the United Lands Corporation.

The estimated cost of O.R.F.'s property—land, buildings and services—is 7½ million dollars. This will provide sufficient accommodation for O.R.F.'s needs until 1965. O.R.F. expects that a further 5 million dollars will be required for O.R.F.'s expansion needs between 1965 and 1970.

The Ontario Government has agreed to provide one half of the extra funds necessary for the O.R.F. to relocate and rebuild. The other half of the extra funds will be the responsibility of the Ontario Research Foundation.

Dr. Misener paid tribute to the Ontario Government for their generous financial assistance, and complimented both Mr. Robarts, the Prime Minister of Ontario, and Mr. Macaulay, the Minister of Economics and Development, on their foresight and enthusiastic support of the project. The Ontario Research Foundation is an independent, non-profit research institute, and it enjoys the support and cooperation of the Ontario Government in many of its activities. For over 30 years O.R.F. has undertaken research and development for industry and for government on a contract basis.

COMPUTER SOLVES TRUSS DESIGN PROBLEMS

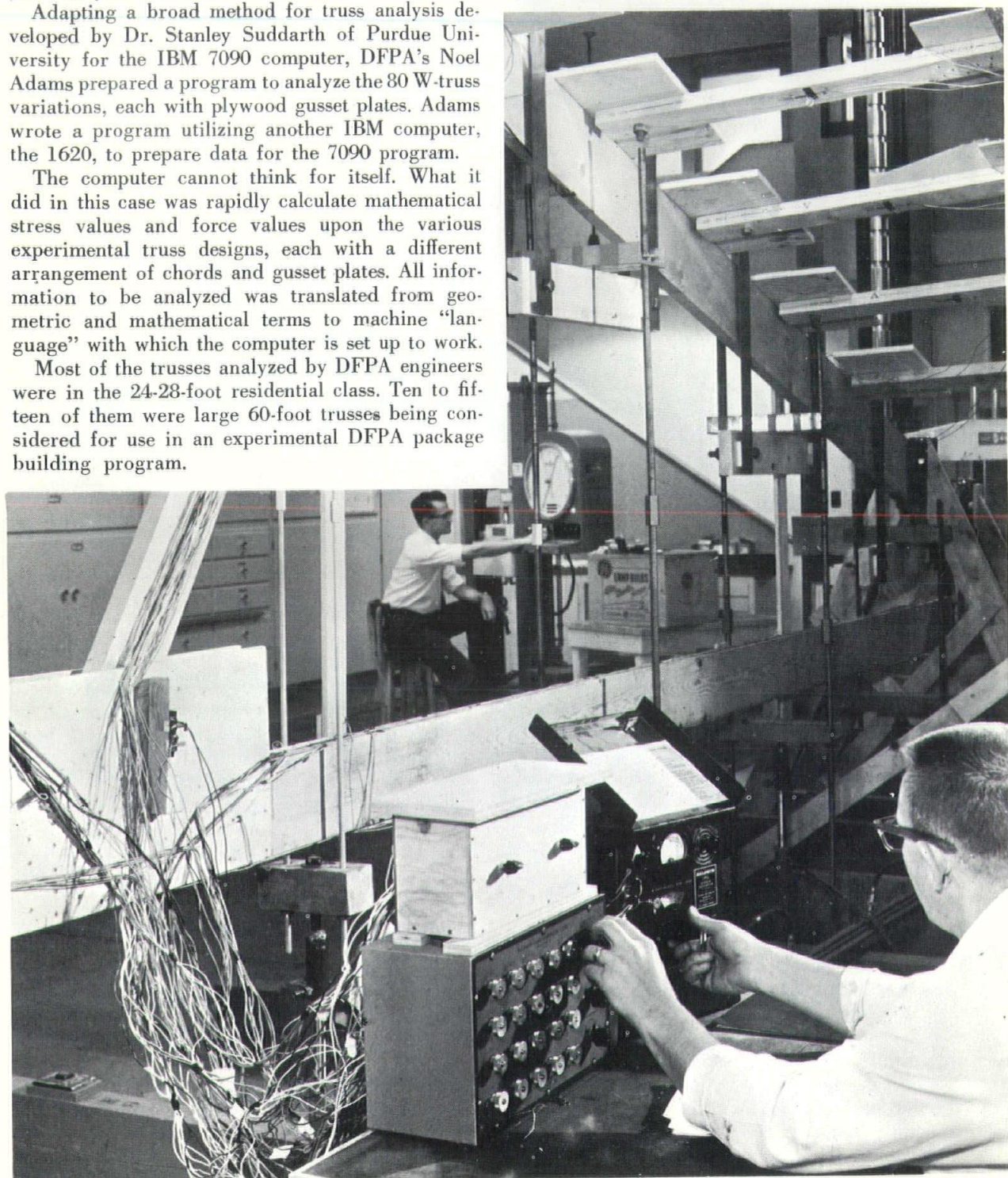
THANKS to the lightning-fast calculations of an electronic computer, engineers of the Douglas Fir Plywood Association have recently been able to analyze 80 different experimental truss variations, normally one man's work load for an entire year, in just two and one-half minutes.

Adapting a broad method for truss analysis developed by Dr. Stanley Suddarth of Purdue University for the IBM 7090 computer, DFPA's Noel Adams prepared a program to analyze the 80 W-truss variations, each with plywood gusset plates. Adams wrote a program utilizing another IBM computer, the 1620, to prepare data for the 7090 program.

The computer cannot think for itself. What it did in this case was rapidly calculate mathematical stress values and force values upon the various experimental truss designs, each with a different arrangement of chords and gusset plates. All information to be analyzed was translated from geometric and mathematical terms to machine "language" with which the computer is set up to work.

Most of the trusses analyzed by DFPA engineers were in the 24-28-foot residential class. Ten to fifteen of them were large 60-foot trusses being considered for use in an experimental DFPA package building program.

An experimental truss, designed using a new electric computer program instead of conventional mathematics, is tested in the laboratories of the Douglas Fir Plywood Association. The large truss is shown undergoing load tests to determine its strength. The network of wires from the measuring device in the foreground carry load and stress information from every chord and plywood gusset plate for periodic checking and recording during load tests.





NUCLEAR POWER PLANT

SOUTHERN CALIFORNIA EDISON COMPANY today (Jan. 17) signed contracts for construction of a 395,000-kilowatt nuclear power plant—about twice as large as any U.S. atom plant now in existence.

Estimated to cost approximately \$82,000,000, the nuclear station will generate enough power to supply the electrical needs of a city of half a million population.

The plant will be located about five miles from San Clemente, Cal., on a 90-acre beach frontage at the Northwest corner of Camp Pendleton. Site preparation is to begin in October, and the target date for completion is July 1, 1966, according to Jack K. Horton, Edison president.

The plan is expected to go into commercial operation by Jan. 1, 1967, after a "startup period" of testing. A peak labor force of approximately 700 construction workers will be employed on the project, it was announced.

Signing of the contracts, climaxing several years of negotiations, was accomplished at a press conference in the Edison board room.

Companies involved in the project, in addition to Edison, include Westinghouse Electric Corporation, which will provide the reactor plant equipment, and other major steam and electrical apparatus; the Bechtel Corporation, engineering constructor; and San Diego Gas and Electric Company, which will have a 20% interest in the project.

The U. S. Navy Department recently notified Edison that it would approve location of the atomic plant at Camp Pendleton. Before this agreement

can be formalized, however, Congress must put its stamp of approval on a bill authorizing the Navy to negotiate with Edison for an easement on the required land.

The nuclear plant will be of the pressurized water type, Horton stated.

"In our judgment," he commented, "this system is more dependable and more advanced in its development than any other now available."

Emphasizing the proven reliability of the pressurized water system, W. R. Gould, manager of Engineering for the utility, pointed out that three major power plants of this type are in operation and that 28 nuclear submarines and four surface vessels equipped with pressurized water reactors also are operating successfully.

The major commercial nuclear facilities already operating with Westinghouse-designed pressurized water systems are the Yankee Atomic Electric plant (165,000 kilowatts) at Rowe, Mass., completed in 1960 by a group of 11 New England investor-owned utilities; and the Shippingport, Pa., plant (60,000 kilowatts) finished in 1957 by the Atomic Energy Commission. Both have performed "in a highly satisfactory manner," Gould said.

Regarding the safety factor, Edison's Engineer for Atomic Energy, A. C. Werden, Jr., commented:

"Nuclear reactors now are being constructed and operated in a manner that renders them safer than many other kinds of industrial plants. Some 250 of them have been built in the last 20 years, and there has never been a single accident resulting in injury to the public.

MARINA 77



Marina 77, world's largest dry storage facility in world's largest marina, will be capable of "parking" 2,000 outboard motorboats under 22 feet in length in 14 five-story buildings. A project of Tidewater Development Company, Marina 77 was developed by Marina Associates. Hunter and Benedict, Architects, A.I.A., designed the project.

PLANS TO BUILD MARINA 77, world's largest dry storage facility for small boats, at Marina del Rey were announced by Jack Deitsch, president of Tidewater Development Company.

The four-phase, \$2.5 million project to provide "pigeonhold parking" for 2000 small boats and other facilities, was designed by Hunter and Benedict, Architects, A.I.A.

The concept of Marina 77, and the economic feasibility studies for all its components, was developed by Andrew M. Filak, marine study engineer and director of Marina Associates, Palos Verdes.

It would be eight times as large as the world's largest present facility, which houses 250 boats in Ft. Lauderdale, Florida.

Besides the six huge over-water storage buildings, served by 14 crane systems which will launch and retrieve stored boats, the complete development will also include transient launching and retrieving facilities, sales areas, repair shop, boating club and restaurant facilities, and many other unique developments.

Deitsch pointed to the growing boat storage needs of apartment dwellers, who have no back yards or driveways where they can leave their boat trailers.

"New construction of apartments had outpaced the building of single-family homes," said Deitsch,

"and 80 per cent of all the boats in the county can be dry-stored, being less than 22 feet in length."

The Hunter and Benedict plan for Marina 77, expected to take about three years to complete, calls for four huge double structures and two triple structures with a separate crane system serving each unit. Boats of any size up to 22 feet can be taken out of the water and stored, or returned to the water, in less than one minute.

The first phase of the development, targeted for opening later in 1963, would complete the first dry storage units, along with rest rooms, parking, snack bar, delicatessen, marine hardware, repair shops, and transient launching facilities, as well as fueling installations.

The second phase, scheduled for completion in 1964, would add more dry storage units, a swimming pool and cabanas, the pavilion area and promenades. Third and fourth phases would expand all of these projects and include a motel.

Marina 77 occupies an L-shaped parcel on Basin H of Marina del Rey, the first basin leading northeast from the main channel as boats enter the Marina from the sea. It is on the mole served by Mindanao Way, next to the Pieces of Eight Restaurant.

Marina 77 might become the prototype for dry storage boat facilities in other marinas all over the world.

THE ALPHA PORTLAND CEMENT COMPANY announced plans for building a new plant at Catskill, N. Y. The new plant will be located on property adjacent to Alpha's present facility there, said Alpha president Robert S. Gerstell. Construction is slated to begin this spring.

A part of Alpha's recently announced \$50 million efficiency and modernization program, the new Catskill plant will be designed for large scale production with minimum maintenance to obtain low unit costs. Annual productive capacity will be 3 million barrels, nearly twice that of the present 1,700,000 barrel plant. The new facility will be a wet process plant.

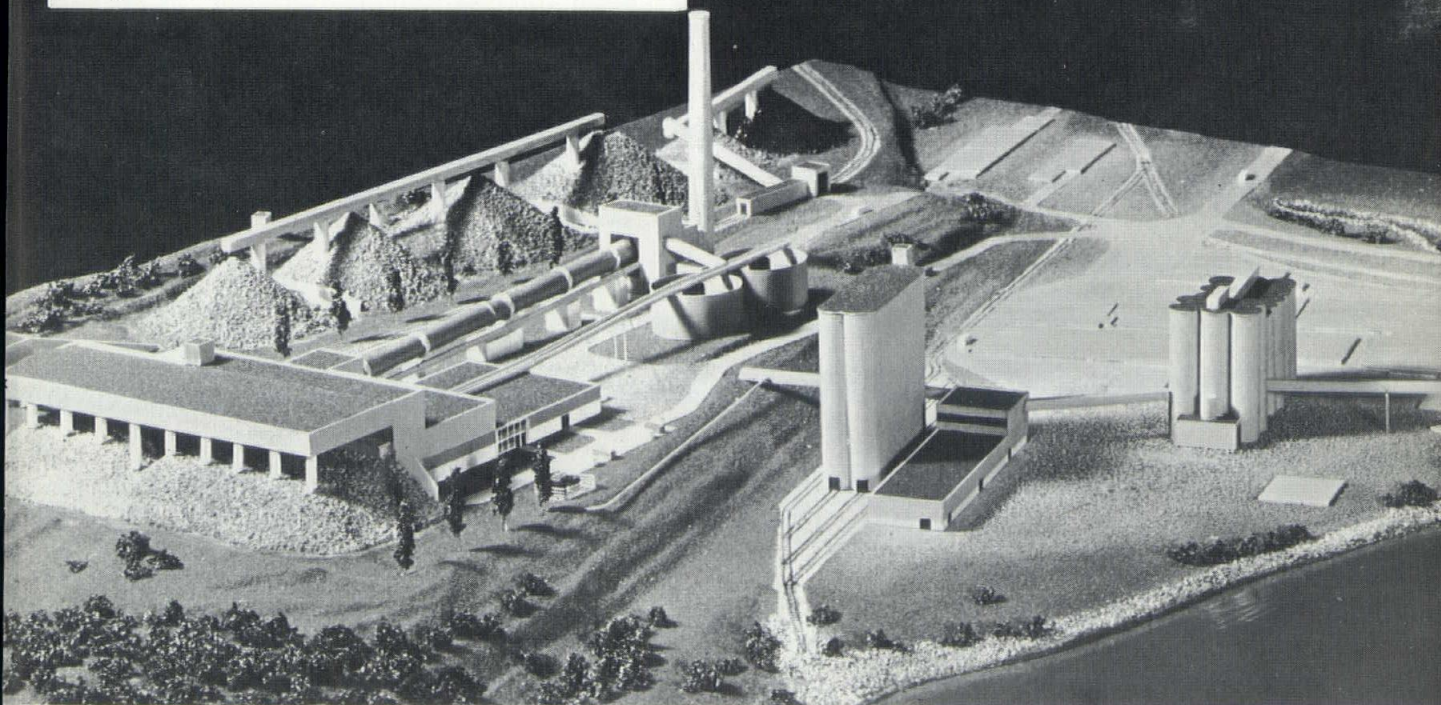
A 510-foot kiln, much longer than those in typical cement plants, will be 17 feet in diameter at the burning zone. Silos will provide an unusually large storage capacity of 540,000 barrels, or more than two months' production. Large storage capacity and new packing and handling facilities will permit rapid rail, truck and barge delivery to cement users and distribution centers. Ultramodern electrostatic dust precipitators, with efficiencies exceeding 99%, will prevent kiln dust from entering the atmosphere.

The new plant will utilize the bulk storage facilities of the present plant, which were enlarged and modernized in 1960. Daniel L. Ziegler, the company's director of construction, will supervise construction. Ziegler was superintendent of construction at Alpha's 2¼-million-barrel, \$18 million plant which went into production in 1958 at Lime Kiln, Md.

The M. W. Kellogg Company, New York, is plant designer.

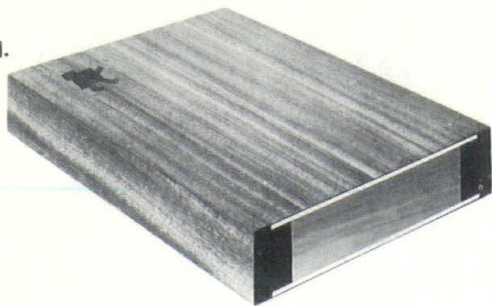
CATSKILL PLANT FOR ALPHA CEMENT

Scale model of new Alpha Portland Cement Company plant at Catskill (Cementon) N.Y. New plant with 150-foot kiln will double company's productive capacity at Catskill.



PRODUCTS and PROGRESS

1.

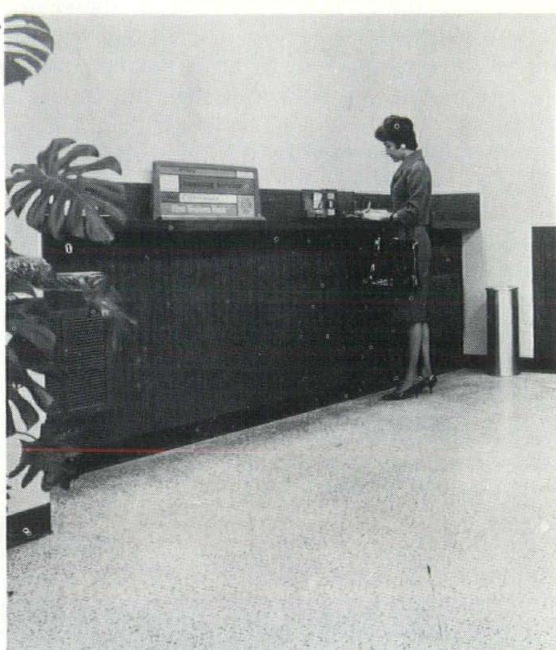


2.

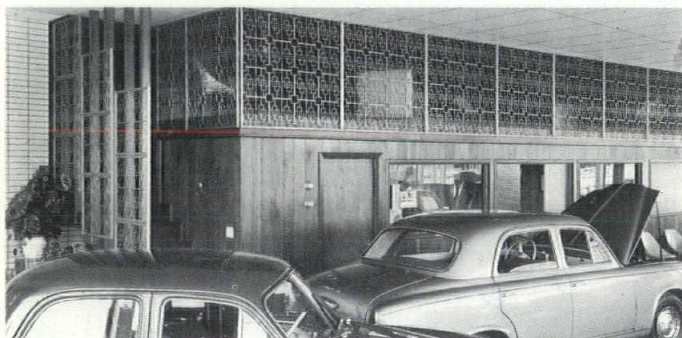


3.

4.



5.



1. An entirely new architectural solid-core, flush door with a patented, concealed crossband construction, is being marketed by Ipek Door Company of Kenner, Louisiana. Called Stilemaster, the new door appears as a solid slab of lumber, yet the five-ply construction is maintained for stability. Crossbands are completely concealed at the stile edges allowing one-half inch trim for fitting and beveling the edges without exposing the crossbands. It is available in 1 3/4" and 1 3/8" thicknesses in all fine hardwood veneers.

2. Total man-hours—14!—Communications between the helicopter operator's two ground crewmen was by VHF radio, making possible precise directions for positioning the Air Conditioning units on 4 x 4 mounts and mating duct openings with a minimum of further adjustments. According to the contractor, the building's extreme width would have necessitated laborious pipe and plank inching for many units

across the roof even with a 100-foot crane.

3. In the first application of its type, a panel has been used by Caldor Department new non-combustible, corrugated plastic ment Store, Lakeland, New York, as an awning to protect shoppers from inclement weather. Approximately 2,600 square feet of translucent green vinyl building panels manufactured by Allied Chemical's Barrett building products division were installed on a steel framework at the Caldor pick-up area. The green translucent panels transmit soft, diffused light. The panels are highly resistant to weathering, salt air and moisture.

4. Terrazite Architectural Flooring—a hard-surface, decorative flooring which resembles classic terrazzo but provides four times the wear resistance and one-eighth the square foot weight. Terrazite requires no recessed slab, and is poured and troweled 1/8" to 1/4" thick, without dividers or expansion joints. It is moistureproof, stainproof,

greaseproof, and nonabsorbent. It is readily cleaned with detergent and water, requires no waxing and is both skidproof and slipproof. A new brochure describing Terrazite flooring and specialty applications in commercial, institutional and residential use is available from Terrazite Association of America, Inc., 2203 West Malone Street, San Antonio 25, Texas.

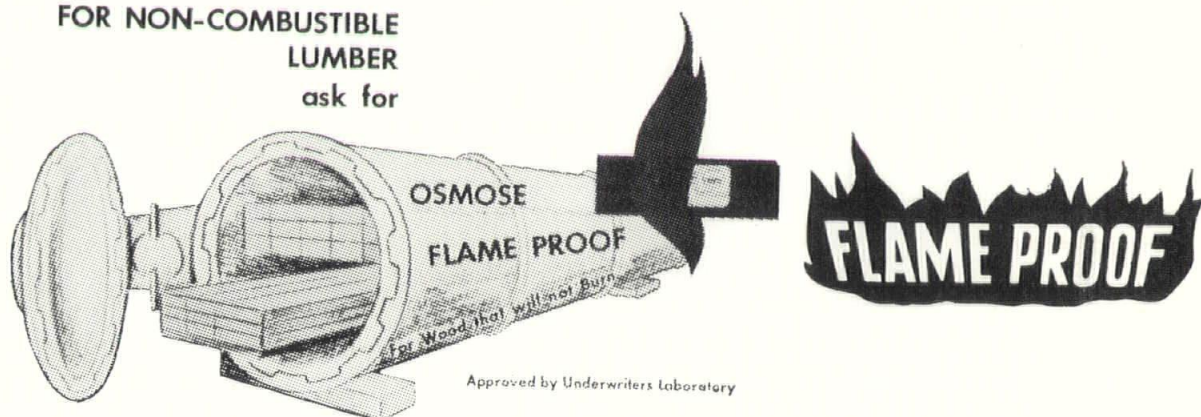
5. Meta-Mold aluminum panels can add new, decorative ideas to nearly every type of business and professional location. In this automobile showroom, they provide both a decorative and a functional use on the balcony and stair trim. The 12" square panels are lightweight, strong, easily assembled and need no permanent holes or attachments. Ideal for both interiors and exteriors, they are easy to keep clean since the aluminum designed panels will not accumulate dust like non-metallic panels. Meta-Mold panels are available in a choice of black, white or gold and in several patterns.

NOW!

WOOD that won't burn

OSMOSE

FOR NON-COMBUSTIBLE
LUMBER
ask for



Approved by Underwriters Laboratory



Manufactured By

and Available From:

Sanders Lumber Co., Meridian, Miss.

Dixie Wood Preserving Co., Pine Bluff, Ark.

Follen Wood Preserving Co.

**Baton Rouge, La.
Jackson, Miss.**

LET US HELP YOU

Consultants in Audio-Visual Equipment and Installations
Educational — Industrial — Religious

OZALID — Complete Sales and Service on all Ozalid Equipment and Materials

JASPER EWING & SONS, INC.

Audio-Visual Sales & Service
227 E. Pearl Street
Jackson, Mississippi
FL 2-3349

Ozalid-Sales Service
122 S. President Street
Jackson, Mississippi
FL 4-5734

DIXIE-BROWN ENTERPRISES, INC.

415 E. Silas Brown St.
Jackson, Mississippi

Dixie Venetian

Blind Division

Flexalum Two-
nighter blinds
Kirsch Vertical Blinds
Elkirt Fabric
Louver Vertical
Blinds
Movable wood
Shutters

Brown Awning

Division

Wide selection
of colors and
material for
Canvas Awnings
Patio Covers
Trailer Awnings
Boat Covers
Boat Canopies

Specializing In
Commercial and Industrial
Mortgage Loans
Also
Residential Loans

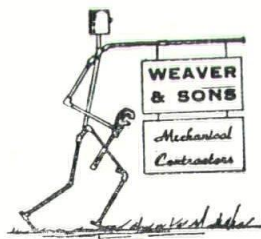


BAILEY MORTGAGE CO.

161 E. Amite St. Jackson, Miss.
Phone 355-4511

WEAVER & SONS

Mechanical Contractors



2509 21st Avenue
Gulfport, Miss.
Telephone 863-7247

Architectural Quality Millwork Since 1911



Building Supply Company

711-A Street
Meridian, Mississippi



For Other Building Materials
One Call Will Do it All. — 483-4581

Southern Pipe & Supply Co., Inc.

Jobbers and Distributors of
Better Plumbing Supplies

Bath Rooms — Water Heaters — Heating Supplies
Soil & Steel Pipe — Tubing — Valves — Water Systems

P.O. Drawer 2131 Phone 483-4211 Meridian, Miss.

We at Southern Pipe Are Proud of Four Things
Our Customers . . . Our Products . . . Our People
And Our Part in the Growing South

HOWARD ELECTRIC CO., INC.

HOWARD HAYNES, President



TWO WAY RADIO EQUIPPED TRUCKS
COMMERCIAL AND RESIDENTIAL WIRING

Ph. UN 3-8385

1709 25th AVE.

GULFPORT, MISS.

ACE DISTRIBUTORS, INC.

Flexalum Twi-Nighter Venetian Blinds
Flexalum Sun Control Products

EMerson 2-1636

205 W. WOODROW WILSON JACKSON, MISS.

MISSISSIPPI STEEL CORPORATION

Manufactures and Fabricators of
Steel Reinforcing Bars

Rolling Mill located at Flowood, Miss.

P.O. Box 5780 Pearl Branch 939-1623
JACKSON 8, MISSISSIPPI

Mississippi Testing Laboratories, Inc.

Analytical Chemists

Testing Laboratories

121 S. ROACH ST.

PHONE FLEETWOOD 3-1248

P.O. BOX 152

JACKSON 5, MISSISSIPPI

COLUMBUS, MISS. • GULFPORT, MISS. • MONROE, LA.

WESTINGHOUSE
HEATING — AIR CONDITIONING



- RESIDENTIAL
- COMMERCIAL
- INDUSTRIAL

Wholesale Distributor

CLIMATE ENGINEERS, INC.

168 E. PORTER

JACKSON, MISS.

FL 3-4681

NEELY BLUE PRINT & SUPPLY CO.

Blue Printing • Photostat Prints
Super Photostat Prints • Photo Murals

Transits — Levels — Alidades — Hand Levels
Instruments Rented — Instruments Repaired (Agents)
White Print Machines — Supplies

Authorized Representatives Keuffel & Esser Co.

519 E. PEARL ST. FL 4-3523
JACKSON 7, MISSISSIPPI

Gulfport, Phone 863-1364 Biloxi, Phone 436-3377

COAST MATERIALS CO.

— Ready Mixed Concrete —

P.O. BOX 61 - GULFPORT, MISSISSIPPI

PLANT LOCATED

19th St. & I. C. Railroad

PLANT LOCATED

Beauvoir Road &
L. & N. Railroad



CEILINGS • FLOORS • WALLS

COUNTER TOPS

RESIDENTIAL & COMMERCIAL

"Be Sure of the Best With C & S"

615 W. Capitol St. FL 5-6643 - 4-2558
Jackson, Mississippi



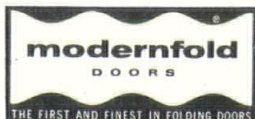
F. MANDAL

JAMES COOPER

MANDAL'S ROOFING & SHEET METAL

1307 28th Avenue Gulfport, Mississippi UN 4-1474
HEATING AND AIR CONDITIONING
QUALITY SHEET METAL WORK

BOURGEOIS MATERIALS CO.



DEALER
for
FOLDING
PARTITIONS



and other top quality building specialties
Formica — W.R. Meadows Products
Curtis Doors — Filon — IXL Kitchens
National Aluminum Windows and Doors
Truscon Steel Windows and Doors
Armstrong Ceilings

29th Avenue and L.&N.R.R. Telephone UN 3-1862
Gulfport, Mississippi

DIXIE SHEET METAL WORKS



Bonded Builtup Roofing
Heating and
Air Conditioning
Fabrication and
Installation of All Types
Sheet Metal

3201 14th STREET — GULFPORT, MISS.



863-4462

WEATHERSEAL INSULATION CO.

THERMAL INSULATION DEALER

1855 26th AVENUE • P.O. BOX 2223

GULFPORT, MISSISSIPPI

Phone 863-3163

STANDARD BLOCK CO., INC.

Miss-Lite — Slag and Shellite Concrete Block

A.S.T.M. UNDERWRITERS LABEL

Anything in Masonry

V. N. Howie

J. W. Howie

2602 19th St. P.O. Box 295 Telephone UN 4-2246
GULFPORT, MISSISSIPPI

WAREHOUSE STEEL — Angles, Beams, Channels, Sheets, Plates, Rounds
Reinforcing Steel — Fabricated, — Wire Mesh, Accessories

SARGENT
COMMERCIAL and RESIDENTIAL
HARDWARE
CHAIN LINK FENCE



AMWELD HOLLOW
METAL DOORS & FRAMES
PHONE 483-4301

BILOXI TESTING AND INSPECTION CO.

120 McELROY ST.

BILOXI, MISS.

PHONE 435-1654

CONCRETE • SOILS • ASPHALT • SUB-SURFACE INVESTIGATIONS

HATTIESBURG BRANCH

1118 W. PINE ST.

PHONE 583-1031

PERRY S. RANSOM, JR.

W. ELLIS ALFORD

MEMBERSHIPS IN ASCE — NSPE — ASTM — ACI

MISSISSIPPI COAST SUPPLY COMPANY, INC.

Wholesalers of
Plumbing and Heating
Fixtures, Pipe, Valves and Fittings

527 CAILLAVET STREET

P.O. BOX 427

PHONE ID 2-5255

BILOXI, MISSISSIPPI

Mc Lemoire Roofing & Sheet Metal Co.

Builders Speciality Items
Dealer For Expand-O-Flash The Metal
Water Stop With Flexible Neoprene Bellows

P.O. BOX 446

PHONE 601- 483-7162

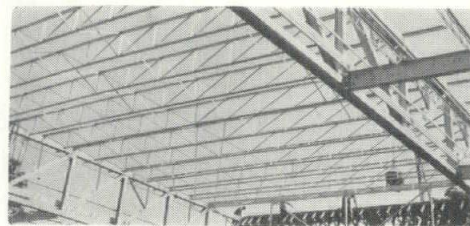
MERIDIAN, MISSISSIPPI

JACKSON PAINTING CO.
CONTRACTORS
SPRAY PAINTING * BRUSH PAINTING



SANDBLASTING
Competent Workmanship * Fully Insured
BARNETT BLDG. FL 2-0620 - 4-1811
JACKSON, MISSISSIPPI

Tsc*



EVERYTHING IN STEEL
Fabricated Structural Steel
Longspan Joists & O. T. Joists
Steel Deck — Standard & Heavy Duty
Miscellaneous Iron — Erection

TUCKER STEEL CO., INC.
P.O. Box 231 Meridian, Miss. Phone 482-3168

CONCRETE PRODUCTS
and Supply Company, Inc.



BAYOU CASOTTE ROAD * P. O. BOX 65, PASCAGOULA, MISS. * 762-8911

LYNN'S ORNAMENTAL IRON WORKS

DESIGNERS — FABRICATORS — ERECTORS



DRIVE-IN CANOPIES
Car Shelters
• Steel
• Aluminum

- Cast Iron
- Wrought Iron
- Steel Stampings

804 S. MAIN

582-3254

- Aluminum Panels
- Steel Panels
- Fiberglass Panels

PETAL, MISS.



MARQUEES
Walkway Covers
• Steel
• Aluminum

H. R. INEBNIT

GULF COAST GLASS COMPANY
EVERYTHING IN GLASS

630 Market Street — Telephone SO 2-5922
PASCAGOULA, MISSISSIPPI

Truck Floats — Lowboys — Air Compressors
Motor Cranes — Dozers — Maintainers
Sales & Service for West-Track

INDUSTRIAL RENTALS

ROUTE 4 ORCHARD ROAD
PASCAGOULA, MISSISSIPPI

Maintenance on All Types of Equipment

L. C. LOUPE Office Phone 762-8705
Equipment Supt. P.O. Box 1562



IN MISSISSIPPI
it's . . .

SOUTHERN GLASS

for . . .

- GLASS and GLAZING
- BUILDING MATERIALS
- BUILDING SPECIALTIES
- The BEST in SERVICE

315 E. Pine • Hattiesburg, Miss. • JU 2-1574

HATTIESBURG BLUEPRINT SERVICE

DIRECT PRINTS — PHOTO COPY PRINTS

Architects and Engineers Supplies

Authorized Dietzgen Distributor

JUniper 3-0062
P.O. Box 828

719 Scooba Street
Hattiesburg, Mississippi

TRI-SOUTHERN BLUEPRINT CO., INC.

206 SO. MAGNOLIA ST.

PASCAGOULA, MISS.

762-3393

ARCHITECTURAL & ENGINEERING SUPPLIES
SURVEYING EQUIPMENT — REPRODUCTION SERVICES

"Covering the Mississippi Gulf Coast"



FAULKNER CONCRETE PIPE COMPANY

Established 1915

- Manufacturers of Concrete Pipe •

Tel. 584-6226 • P.O. Box 992

Hattiesburg, Mississippi

PLANTS: Gulfport, Miss., Hattiesburg, Miss.
Jackson, Miss., Meridian, Miss., Mobile, Ala.

Southeastern Materials Company

Hattiesburg Brick Works

American Sand & Gravel Company

Tel. 584-6436

409 Ross Building

Hattiesburg, Miss.

W. C. WEATHERBY, JR., President Phone GR 5-1285

WEATHERBY

MATERIALS, INC.

SAND • READY MIX • CONCRETE • GRAVEL

P.O. BOX 462

MOSS POINT, MISSISSIPPI

WOLMANIZED

HIGH QUALITY KILN DRIED PINE LUMBER IS AVAILABLE IN MISSISSIPPI

From the state's largest producer,
furnishing jobs for 350 Mississippians.
Offering a full assortment of all items
of pine lumber, including mouldings
and Kiln Dried 3" and 4" ROOF
DECKING.

From our modern TREATING PLANT we offer:

PRESSURE TREATED PENTA

pine lumber, timber, small poles and fence posts,
for use in contact with the ground.

PRESSURE TREATED WOLMANIZED

lumber and timbers

RE KILN DRIED AFTER TREATMENT

paintable, clean, odorless . . . termite and rot
proof . . . the finest paintable treatment
available.

A. DeWesse Lumber Company, Inc.

Lumbering along since 1897

Philadelphia, Mississippi

Sales Phone 656-3211



JOHN B. HOWARD COMPANY, Inc.

Materials for Construction

104 North Lemon Street

FLetwood 4-2346

Jackson, Mississippi

JACKSON *Ready Mix* CONCRETE

READY-MIX CONCRETE, JAX-LITE CONCRETE MASONRY, JAX-DEK PRESTRESSED CONCRETE, MISS-LITE AGGREGATE, SAND & GRAVEL

FL 4-3801

Jackson, Mississippi

P.O. Box 1292

"A HOME OWNED INDUSTRY"

JACKSON

Blue Print & Supply Co.

Frank S. Arnold, Owner

ARCHITECTS AND ENGINEERS SUPPLIES

Fleetwood 3-5803

P.O. Box 182

416 E. Amite Street

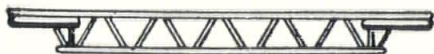
Jackson, Mississippi

Mississippi's First Blue Print Shop - - - Established 1923

ELLIS SUPPLY COMPANY

"Since 1927 - - - Serving Mississippi with Steel"

JOISTS -:- STRUCTURAL STEEL



P.O. BOX 1016

PHONE 939-4584

JACKSON 5, MISSISSIPPI

BRANCH OFFICE & PLANT AT WEST POINT, MISS.

P.O. BOX 383 — PHONE 2081

WALKER JONES EQUIPMENT, INC.

1675 S. GALLATIN ST. • P. O. BOX 9825 • JACKSON, MISSISSIPPI
AMERICAN ECONMOBILE
AMERICAN POWERSTAGE CO.
BARCO Rammers
BARNES Pumps
BUS BROWN Trenchers
CEMETCO Products
CHAMPION Hoists & Saws
DEE Steel Stakes & Forms
EDCO Concrete Floor Grinders
ESSICK Concrete Mixers
EVEREADY Saws & Blades
GARDNER-DENVER CO.
Compressors & Air Tools
GORDON SMITH & CO.
Compressors 45-75-125
INSTO GAS Heaters
JACKSON Wheelbarrows
& Mortar Boxes
LAYTON Air Pumps
LAD-E-VATOR Hoists
LOUISVILLE Ladders

MORDERN Earth Augers
MEADOW STEEL PRODUCTS
MORGEN Belt Conveyors
MULLER Mortar Mixers
PATENT Scaffolding
PHILLIPS Self-Drill Anchors
PITMAN Hydra-Lift
PRIME MOVER Buggies
SANDSTORM Blasting Equip.
SHARPE Paint Spray Equip.
SASGEN Hoists & Wrenches
SKIL Power Tools
SONNEBORN Chemicals
STAR Fasteners & Anchors
Power Loads & Studs
STOW Vibrators & Trowels
SYNTRON Power Tools
WACKER Tampers
WACO Scaffolding
WINCO Generators
SABER Posthole Augers

CONSTRUCTION EQUIPMENT

SALES • SERVICE • RENTAL

MIKE RUSSELL

PAINTING CONTRACTOR
COMMERCIAL • INDUSTRIAL



SANDBLASTING • WATERPROOF

5073 GERTRUDE DR.

372-7361

JACKSON 4, MISSISSIPPI

Chambers

ELECTRIC
GAS

CUSTOM-MATCHED
KITCHEN BUILT-INS

- Ovens and Ranges
- Refrigerators-Freezers
- Dishwasher-Dryers
- Ventilating Hoods
- Disposers

OXFORD, MISSISSIPPI

TELEPHONE 234-3131

Lundin and Associates Incorporated

formerly

Plastics Division of
LUNDIN-HENDRY, INC.

- ★ Architectural Plastics
- ★ Fluid Roofings
- ★ Industrial Coatings
- ★ Building Renovations
- ★ Remedial Waterproofing

JACKSON, MISS.

CONSTRUCTION NEWS, INC.

P. O. Box 679

Mount Vernon, New York

BULK RATE
U. S. POSTAGE

PAID

Permit No. 1459
New York, N. Y.

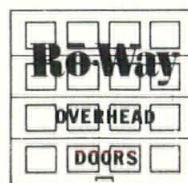
AMER INST OF ARCHTS
1735 NEW YORK AVE NW
WASHINGTON 6 D C
C-268

MISSISSIPPI ARCHITECT—A.I.A.

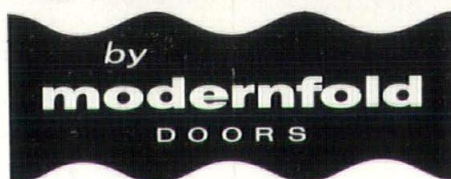
Quality Building Products

Fenestra[®]

STEEL DOORS AND FRAMES

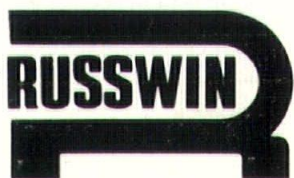


SCHOOLS
CHURCHES
HOSPITALS



OFFICES
RESTAURANTS
MOTELS

FOLDING DOORS



BUILDERS HARDWARE



METAL BUILDINGS



2689 LIVINGSTON ROAD • JACKSON, MISSISSIPPI

METAL WINDOWS—GLAZED STRUCTURAL TILE—MOVABLE PARTITIONS—ROOF DECK