

BUILDING INDUSTRY OF CALIFORNIA HONORS A. G. STREBLOW

A. G. Streblow, President of the Basalt Rock Company, Napa, California, was honored recently when he was presented with the Achievement Award of 1957 by the Building Industry Conference Board at their annual "Awards Dinner" at the St. Francis Hotel in San Francisco.

John Lyon Reid, a San Francisco architect who made the award, stated that Mr. Streblow had been chosen for the honor because of his "ingenuity and creative ability" and his pioneering efforts in producing prestressed masonry block panels and precast, prestressed masonry block panels and precast, prestressed lightweight concrete structural members.

Over 300 members, made up of architects, engineers, contractors, home builders, material producers, bankers and other members of the building industry of Northern California, attended the awards dinner.

India Plans Symposium on Prestressed Concrete

Correspondence has been received by Ben C. Gerwick, PCI President, concerning a planned "Symposium on Prestressed Concrete as Applied to Buildings" to be held in the latter part of February in Roorkee (U.P.) India.

Sponsorship of the Symposium will be by the Central Building Research Institute of Roorkee. The Director, Lieut. General H. Williams, has invited the Federation Internationale de la Precontrainte, of which the P.C.I. is a member, to submit papers on the following subjects:

(a) Advances in the analysis and design of prestressed concrete as applied to buildings; (b) Methods of manufacture of precast pre-tensioned or post-tensioned building components; (c) Problems of site work; (d) Research in pre-stressed concrete as applied to buildings; (e) Economics of pre-stressed concrete for buildings.

The object of the Symposium is to stimulate the wider use of pre-stressed concrete for buildings in India with a view to conserve critical materials—cement and steel—which are in short supply.

PROPERTIES of Portland Cement Studied

Research on the factors that affect strength in portland cement paste is summarized in an article "Structure and Physical Properties of Hardened Portland Cement Paste," published in the January, 1958, issue of the Journal of the American Ceramic Society.

Written by T. C. Powers of the research and development division of the Portland Cement Association, the article describes methods developed for studying submicroscopic structure in cement through use of research techniques that include X-ray and electron microscopy, the Physical and chemical constitution of cement has been studied. It was found that strength, permeability and volume instability are basically related to the colloidal state of the cement gel, a major product of the reactions between cement and water.

Effects of freezing temperatures on fresh cement paste are shown by Powers to be of two kinds: hydraulic pressure that forces water away from the freezing sites in the water-filled capillary cavities; and osmotic pressure produced by water tending to enter partly frozen capillary cavities. Either kind of pressure can be controlled by filling the fresh paste with microscopic air bubbles that remain in the hardened paste, the author writes, but the bubbles must be so numerous that they are separated by layers of paste only a few thousandths of an inch thick.

PLANT CERTIFICATION COMMITTEE FORMED

By direction of Ben C. Gerwick, President, PCI, a Plant Certification Committee has been established under the chairmanship of J. Ashton Gray, Dura-Stress, Inc., Leesburg, Florida. Invited to serve on the committee are: Douglas Cone, Florida Prestressed Concrete Co., Inc., Tampa, Florida; Sam L. Selvaggio, Concrete

Products of America, Chicago, Ill., Charles C. Zollman, Chairman of the PCI Technical Activities Committee, has been invited to serve as consultant to the committee. The Plant Certification Committee can serve effectively to help the entire prestressing industry, through establishment of methods and procedures of manufacturing which will bring about improved quality control and greater efficiency.

Ben C. Gerwick, Jr.

The 2nd annual Prestressed Concrete Short Course will be held January 27-31 at Ellinor Village, Daytona Beach, Florida. This event is co-sponsored by the Prestressed Concrete Institute and the Department of Civil Engineering, University of Florida. A special section of the program will be devoted to sales, planning, production, quality control, delivery and erection of prestressed concrete. This is an important contribution to the program, complementing the design sessions with practical field experience. We hope to see many of our members at this Short Course.

We are pleased to announce that Douglas Cone, of Florida Prestressed Concrete Co., Inc., Tampa, has agreed to serve as Associate Editor of the *PCI JOURNAL*. Doug is one of the pioneer prestressed producers in the nation and brings to his new assignment a background in production and sales that will be an important contribution to our journal. He will be approaching all Active members of the Institute for material to be published in future issues of the *JOURNAL*. We urge all of you to cooperate with him: keep him informed of production methods you employ, unusual erection problems encountered, outstanding prestressed concrete jobs in your area. If our industry is to continue to grow, we must present more factual material in our publications that will inform and educate the designing and production fraternity.

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PC Items

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Boca Raton, Florida

Items of interest should be mailed directly to the EDITOR, PCItems, 3132 N. E. 9th Street, Fort Lauderdale, Florida, before the 15th of each month.

Applications Received for Membership

The following named individuals and organization have been accepted as members in the classification shown.

ACTIVE

F. H. Oakley
Oakley Engineering Co.
P. O. Box 9093
Tulsa, Oklahoma

John R. Cellucci
Stress-Crete Corp.
R. D. No. 1
Malvern, Penna.

John K. Zimmerman
Pennsylvania Prestress, Inc.
R. D. No. 5
York, Penna.

John C. Gist
Delta Prestress Concrete, Inc.
P. O. Box 296
Florin, California

Lades R. Warriner, Sr.
Concrete Prestressed Corp.
P. O. Box 381
Bristol, Tenn.

George S. Pinter
Prescrete, Inc.
130-01 Northern Blvd.
Corona 68, N. Y.

R. J. Lyman
Atlas Structural Concrete, Inc.
P. O. Box 5381
El Paso, Texas

J. B. Howell
Grenada Concrete Products
P. O. Box 822
Grenada, Miss.

ASSOCIATE

Joseph B. Cook
Pfaff & Smith Builders Supply Co.
Spring & Bullitt Sts.
Charleston 29, West Virginia

E. S. Reid
Sonoco Products Co.
Construction Products Division
Hartsville, S. C.

F. A. Leach
Reliable Electric Co.
11333 Addison Street
Franklin Park, Illinois

PROFESSIONAL

Hidetaro Unagami
P. S. Concrete Co., Ltd.
8-3 Chome Marunouchi, Chiyoda-ku
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Gihachi Nakajima
Besshi Construction Co., Ltd.
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P. V. Raj
Consulting Engineer
Domalguda
Hyderabad (A.P.), India

C. Garcia-Reyes McLellan
Apto. Aereo 3511
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Tampa, Florida

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3435 Serra Way
Sacramento 16, California

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Taipei, Taiwan, China

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Structural Engineer
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Fort Worth, Texas

Alex L. Jacobus
Carbon Structural Concrete Co.
Lowellville, Ohio

Paul S. Gillan
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Tampa 10, Florida

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Blaw-Knox Equipment Division
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J. S. Oliver
Prestressed Division
Carolina Concrete Pipe Co.
P. O. Box 1266
Columbia, S. C.

R. H. Jenkins
Superior Concrete Accessories, Inc.
2100 Williams Street
San Leandro, California

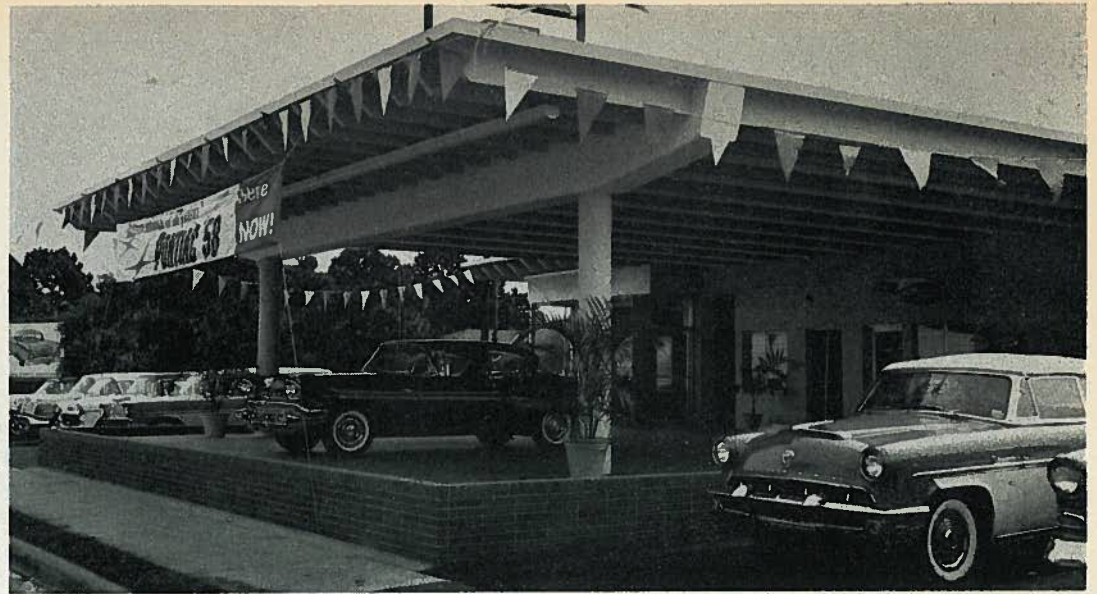
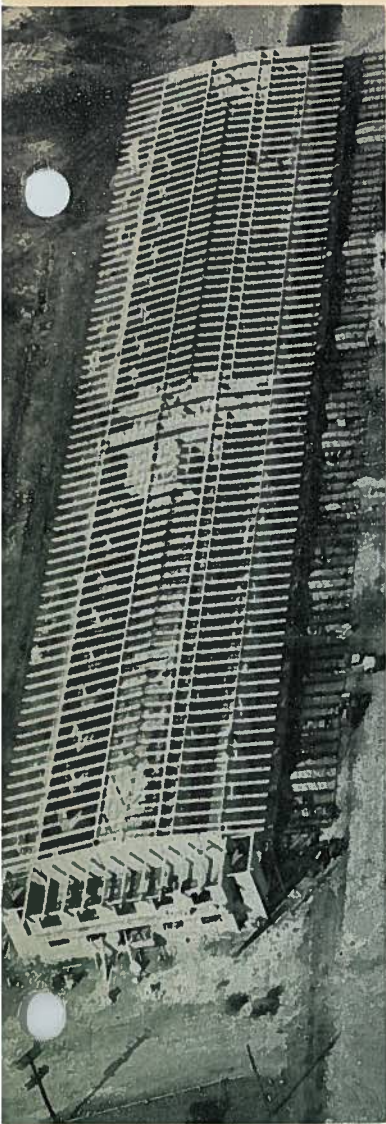
STUDENT

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Shamokin, Penna.

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Ave. Principal—Country Club
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Caracas, Venezuela



◀ When the Farmers Market Building at Sanford, Florida, was completely gutted by fire, it was decided to build a new structure that would be primarily fireproof and economical. Architect Frank George of Sanford designed the entire structure around prestressed concrete. The aerial photograph shows the new building with prestressed concrete joists in place prior to laying the roof deck. Over 7,300 lin. ft. of 16" joists were used to form the roof, and 11,000 sq. ft. of prestressed concrete double tee slabs formed the mezzanine floor and roof of the cold storage rooms. Gregg, Gibson & Gregg of Leesburg, Florida, were the General Contractors. Dura-Stress, Inc., Leesburg, manufactured and erected the prestressed concrete units.

Another interesting job in prestressed concrete construction is this automobile showroom on Volusia Avenue, Daytona Beach, Florida. This Stephens Pontiac Agency building was designed by Spicer & Gehlert, architects, Daytona Beach. The general contractor was Precision Construction Company. Prestressed concrete double tee slabs were fabricated by Perma-Stress, Inc., Holly Hill, Florida.

Producers' Showcase..

View of complete Farmers Market Building in Sanford, Florida. The entire structure is of concrete construction for maximum fire-safety.



PCI Items . . .

On November 13 a number of active producers of prestressed concrete products met in Los Angeles to lay the groundwork for the formation of a California Chapter of PCI. Much enthusiasm for the idea was generated at this meeting. Prospects for a chapter look good.

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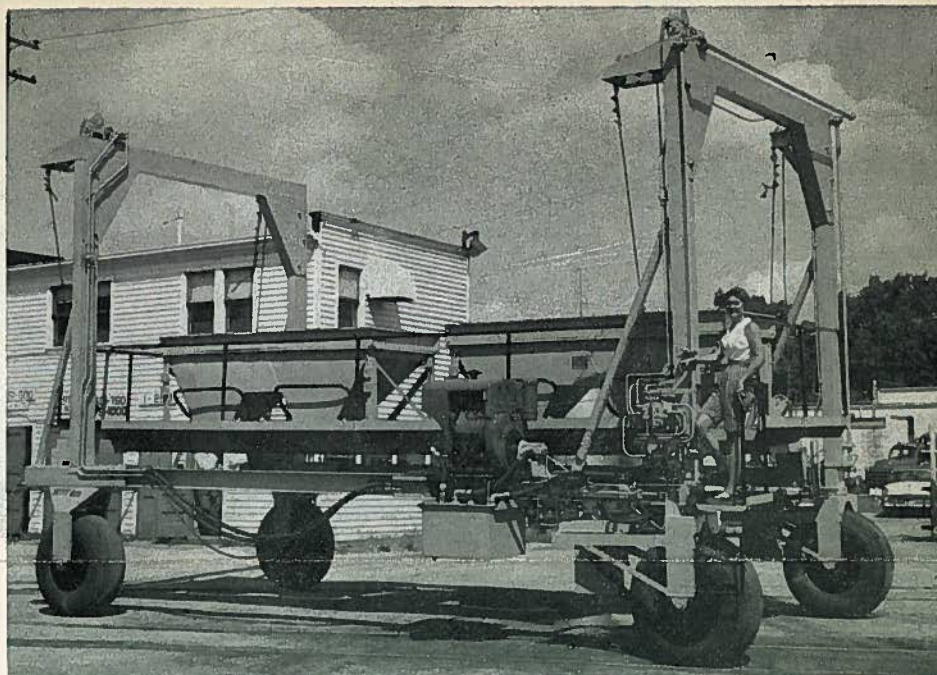
An initial deposit has been made and a contract signed by President Ben C. Gerwick with the Underwriters Laboratories of Chicago, to proceed with comprehensive fire tests of prestressed concrete structural units. You will be kept informed of the progress of this important test. We hope this item will help to stem the flood of calls and letters to the Executive Secretary's Office.

* * *

Harold A. Price, PCI Vice President, is now vice president and General Manager of the Federal Cement Tile Company, 608 So. Dearborn Street, Chicago, Ill. Congratulations, Hal, and much success in your new affiliation.

* * *

Theodore C. York, PCI Professional member, is now an Associate in the firm of Hamilton & Williges, Consulting Engineers, Oakland, Cal. He will be in charge of the firm's structural design section. He is presently designing a number of buildings in prestressed concrete for the Oakland school system. Mr. York is a member of the PCI Specification sub-



Travelift, Inc., Sturgeon Bay, Wisc., has developed a piece of handling equipment which should find many applications in the prestressed concrete industry. A self-propelled Travelift, operated completely by hydraulic controls, the machine is available in two models — one with a 12-ton capacity, the other a 25-ton unit. They are being used by prestressed concrete producers to pull cable, fill forms, set up and remove forms from the casting beds, stripping units from the forms, transporting finished units. The Travelift is built to standard dimensional specifications, but the manufacturer says modifications can be made to fit particular applications.

committee for Post-Tensioned concrete.

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RODS, INCS., 706 Folger Ave., Berkeley, Cal., has just issued an eight page brochure on high tensile alloy steel bars for prestressed concrete. The brochure describes end anchorages and couplings, rod jacking facilities, rod grouting facilities, and shows applications of STRESS-RODS in various post-tensioned members. The brochure is available from the company by request.

2ND NATIONAL P/C SHORT COURSE

The 2nd National Prestressed Concrete Short Course, co-sponsored by the Department of Civil Engineering, University of Florida, and the Prestressed Concrete Institute will be held January 27-31 at Ellinor Village, Daytona Beach, Florida. A registration fee of \$10.00 will cover all phases of the program. Registration should be made with the Dept. of Civil Engineering, University of Florida, Gainesville, Florida.

