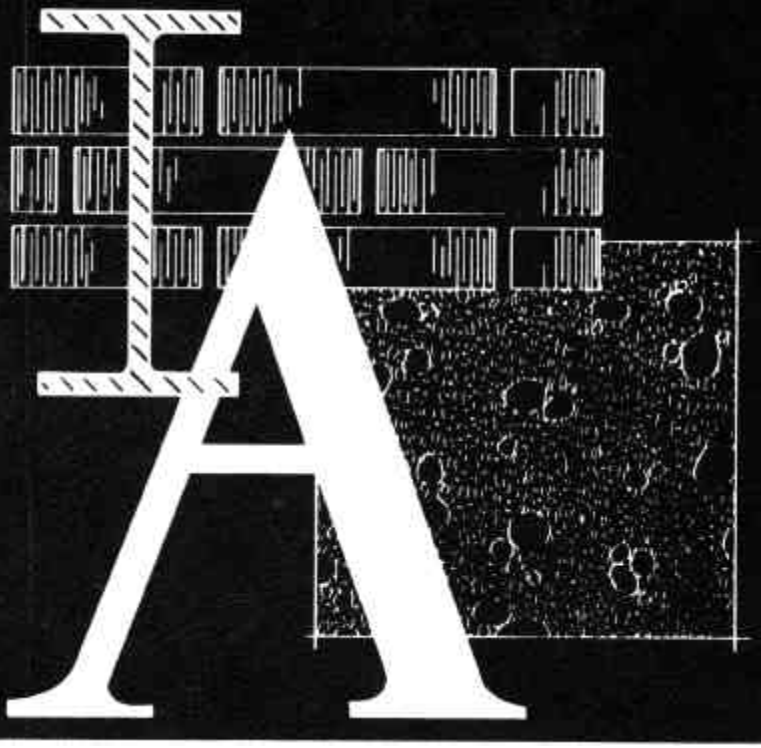
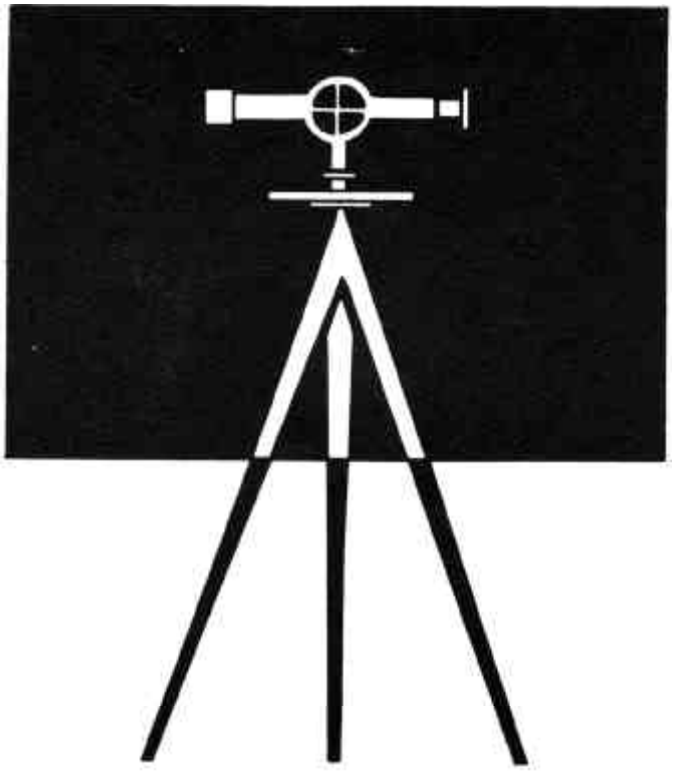


1966

E



US ARMY CHIEF OF ENGINEERS

DISTINGUISHED ARCHITECTURAL AND ENGINEERING ACHIEVEMENT AWARDS

FOREWORD

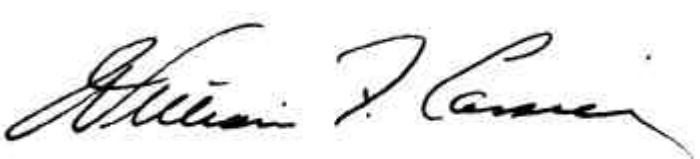
This brochure gives special recognition to the winners of the Army Chief of Engineers' Distinguished Architectural and Engineering Achievement Award Competition for 1966.

The annual program, established last year to select the best architectural design for new Army Military Construction, has now been broadened to include outstanding engineering qualities for Civil Works Construction as well. The high quality of entries in both the architectural and engineering categories made selection of the winners extremely difficult again this year.

We were fortunate to have the services of five nationally prominent architects and engineers who judged the many excellent entries submitted by the Corps' various Divisions and Districts. The names and biographies of the judges appear elsewhere in this brochure.

In future years, as this annual competition becomes better known, we trust it will stimulate architects and engineers, both in private practice and the Army Corps of Engineers, to develop improved functional and esthetic design and economy of construction and further the over-all advancement of architectural and engineering concepts.

We plan next year to expand this program to include an award for the best example of the conservation of natural beauty in Corps construction projects.



WILLIAM F. CASSIDY
Lieutenant General, USA
Chief of Engineers

1966 architectural achievement award

ARCHITECTURAL JUDGES

ROY F. LARSON, FAIA
Harbeson, Hough, Livingston and Larson, Architects
Philadelphia, Pennsylvania

PHILIP WILL, JR., FAIA
Partner in The Perkins & Will Partnership
Chicago, Illinois

O'NEIL FORD, FAIA
Principal, O'Neil Ford and Associates, Architects
San Antonio, Texas

BIOGRAPHY

ROY F. LARSON

Partner in the firm of Harbeson, Hough, Livingston & Larson, Architects, Philadelphia, Pennsylvania. Mr. Larson was graduated from the University of Pennsylvania in 1923 with a Bachelor of Arts degree in Architecture. A Fellow of the American Institute of Architects, Mr. Larson has received numerous professional awards.

PHILIP WILL, JR.

Partner in The Perkins & Will Partnership, Chicago, Illinois. Mr. Will was graduated from Cornell University with the degree of Bachelor of Architecture in 1930. He was winner of the Shreve, Lamb and Harmon Professional Fellowship, 1930-31. A Fellow of the American Institute of Architects, Mr. Will was President of the AIA during 1960-62.

O'NEIL FORD

Principal partner in the firm of O'Neil Ford and Associates, Architects, San Antonio, Texas. Mr. Ford was visiting professor at Harvard University in 1952, and during the period 1953-55 served in similar capacity at other colleges and universities, including the University of California and The Rice Institute. A Fellow of the American Institute of Architects, Mr. Ford's practice has taken him all over the world.

DISTINGUISHED ARCHITECTURAL

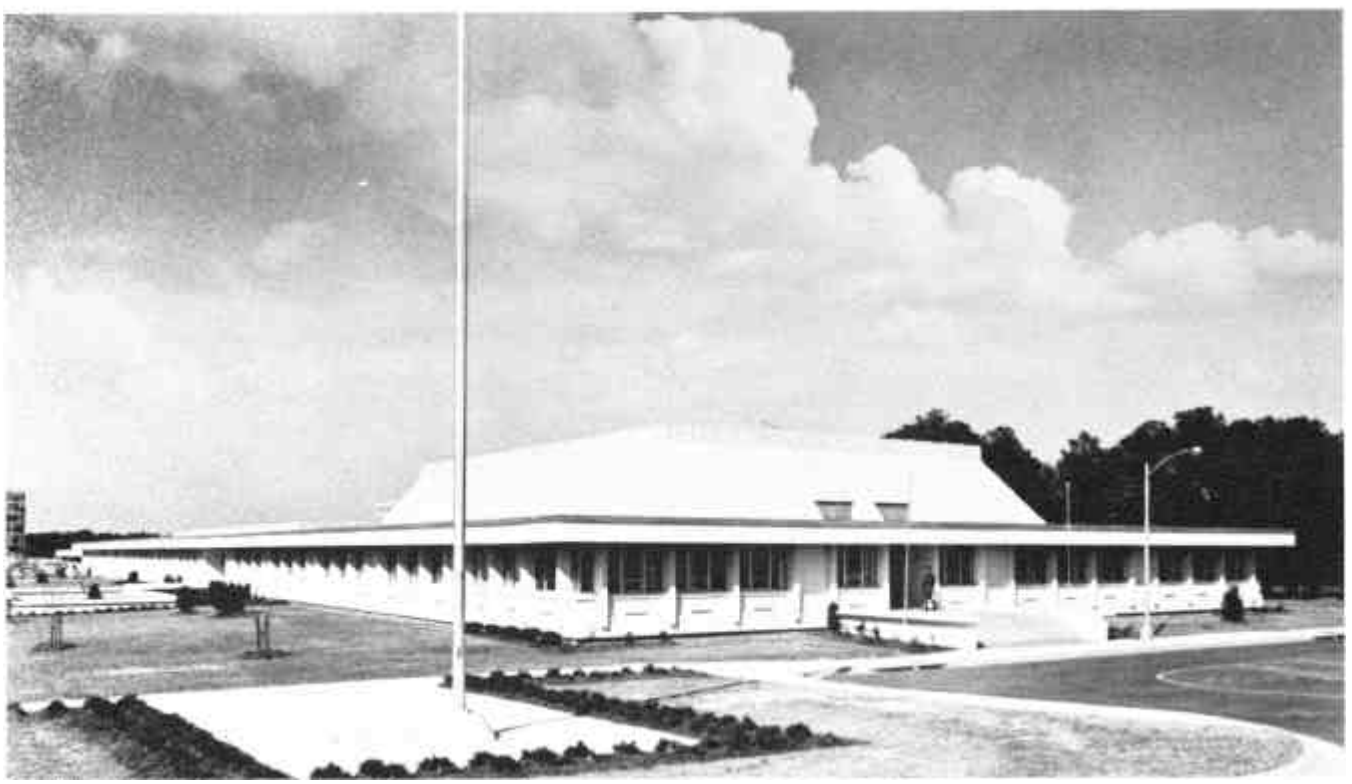
FIRST PLACE

JOHN F. KENNEDY HALL
FORT BRAGG, NORTH CAROLINA

Architect: ARTHUR GOULD ODELL, FAIA, CHARLOTTE, NORTH CAROLINA

Supervised by: SAVANNAH DISTRICT

Contractor: KING-HUNTER, INC., GREENSBORO, NORTH CAROLINA



ACHIEVEMENT AWARD ★★★

JUDGES COMMENTS

The judges voted the Special Warfare Center's Headquarters Building the winning entry on the basis of its "orderly and direct plan" and the "consistent use of materials that have a strong affinity in color and texture." The judge noted the appropriate use of the unusual roof as it covers the high space over the auditorium and properly indicates inside and outside that it is an interior-raised space. While modern in design, the Headquarters building retains many traditional elements, and speaks for integrity and a degree of modesty. The judges added that "not once did the designer resort to tricks or eye-catching and fashionable details."

HONORABLE MENTION

NON-COMMISSIONED OFFICERS OPEN MESS
FORT ORD, CALIFORNIA

Architect: ROBERT STANTON, AIA, CARMEL, CALIFORNIA

Supervised by: SACRAMENTO DISTRICT

Contractor: DANIELS AND HOUSE CONSTRUCTION CO., MONTEREY, CALIFORNIA

OTHER ENTRIES

★ **AUDITORIUM AND THEATER, FORT IRWIN, CALIFORNIA,**
submitted by the Los Angeles District, Corps of Engineers

★ **BACHELOR OFFICERS QUARTERS, FORT SILL, OKLAHOMA,**
submitted by the Albuquerque District, Corps of Engineers

★ **CENTRAL HEATING AND REFRIGERATION PLANT, FORT GORDON, GEORGIA,**
submitted by the Savannah District, Corps of Engineers

★ **CHAPEL CENTER, FORT CARSON, COLORADO,**
submitted by the Omaha District, Corps of Engineers

★ **CHAPEL CENTER, YUMA TEST STATION,**
submitted by the Los Angeles District, Corps of Engineers

★ **DENTAL CLINIC, BROOKE ARMY MEDICAL CENTER, TEXAS,**
submitted by the Fort Worth District, Corps of Engineers

★ **HOSPITAL ADDITION, CAMP KUE, OKINAWA, RYUKYU ISLANDS,**
submitted by the Okinawa District, Corps of Engineers

★ **OPERATIONS AND UTILITIES BUILDING, LOCK NO. 15, DAVENPORT, IOWA,**
submitted by the Rock Island District, Corps of Engineers

★ **RESERVE CENTER, CEDAR RAPIDS, IOWA,**
submitted by the Omaha District, Corps of Engineers

★ **RESERVE CENTER, FORT RICHARDSON, ALASKA,**
submitted by the Alaska District, Corps of Engineers


1966

engineering achievement award

ENGINEERING JUDGES

WALLACE L. CHADWICK, Consulting Engineer

ROY F. LARSON, FAIA
Harbeson, Hough, Livingston & Larson, Architects
Philadelphia, Pennsylvania

DR. MARTIN A. MASON, Dean of Engineering
George Washington University
Washington, D.C.

BIOGRAPHY

WALLACE L. CHADWICK-A consulting engineer, was formerly vice-president, Southern California Edison, Los Angeles, California. Mr. Chadwick attended the University of Redlands, California from 1916-1920 except for army service in 1918. He received the Honorary Doctor of Engineering Service degree from the University of Redlands in 1965. Mr. Chadwick has worked in numerous engineering and construction capacities with Southern California Edison Company and the Metropolitan Water District of Southern California beginning in 1922. A past president of the American Society of Civil Engineers, Mr. Chadwick is an expert on major dams in the western states.

ROY F. LARSON-Mr. Larson was also a member of architectural competition jury-see biographical data under "Architectural Judges."

MARTIN ALEXANDER MASON-Dean of Engineering, George Washington University. Dean Mason was graduated from GWU in 1931 with a Bachelor of Science degree in Engineering. He was a John R. Freeman Scholar in hydraulics in 1936-1937 at Johns Hopkins University, and received the Degree of Ingenieur-Docteur, University of Grenoble, France in 1938. He was chief engineer of the Beach Erosion Board, Corps of Engineers, from 1940 to 1951, and has been dean of engineering at GWU since 1951. He is a member of the American Society of Civil Engineers.

DISTINGUISHED ENGINEERING

FIRST PLACE

ST. ANTHONY FALLS UPPER LOCK
MINNEAPOLIS, MINNESOTA

Engineer: ST. PAUL AND BUFFALO DISTRICTS, AND THE NORTH CENTRAL DIVISION

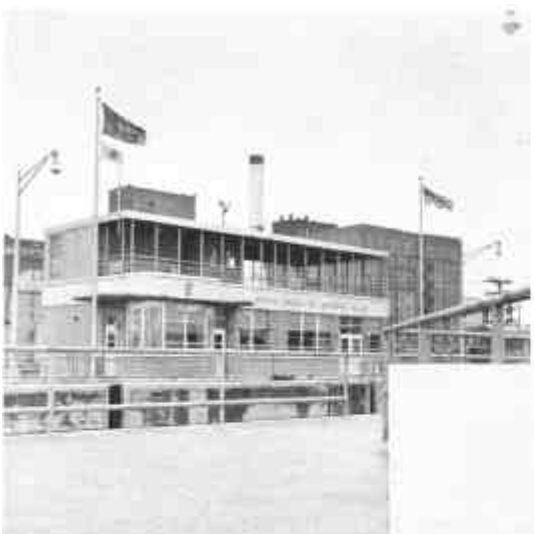
Supervised by: ST. PAUL DISTRICT

Contractor: AL JOHNSON CONSTRUCTION CO., MINNEAPOLIS, MINNESOTA
AND PETER KIEWIT SONS CO., OMAHA, NEBRASKA

ACHIEVEMENT AWARD ★★★

JUDGES COMMENTS

It is characteristic of engineering that some problems are extremely complex and difficult of solution, while others may be relatively simple in both nature and solution. The Upper Lock of the Upper Minneapolis Harbor Development is extremely complex and represents the essence of excellent engineering. The adopted plan is ingenious, economical, well-conceived, and overcomes difficulties that might have prevented an acceptable solution. The design for the lock structure expresses very successfully, in simple bold forms, the characteristic nature of the concrete of which it is built.



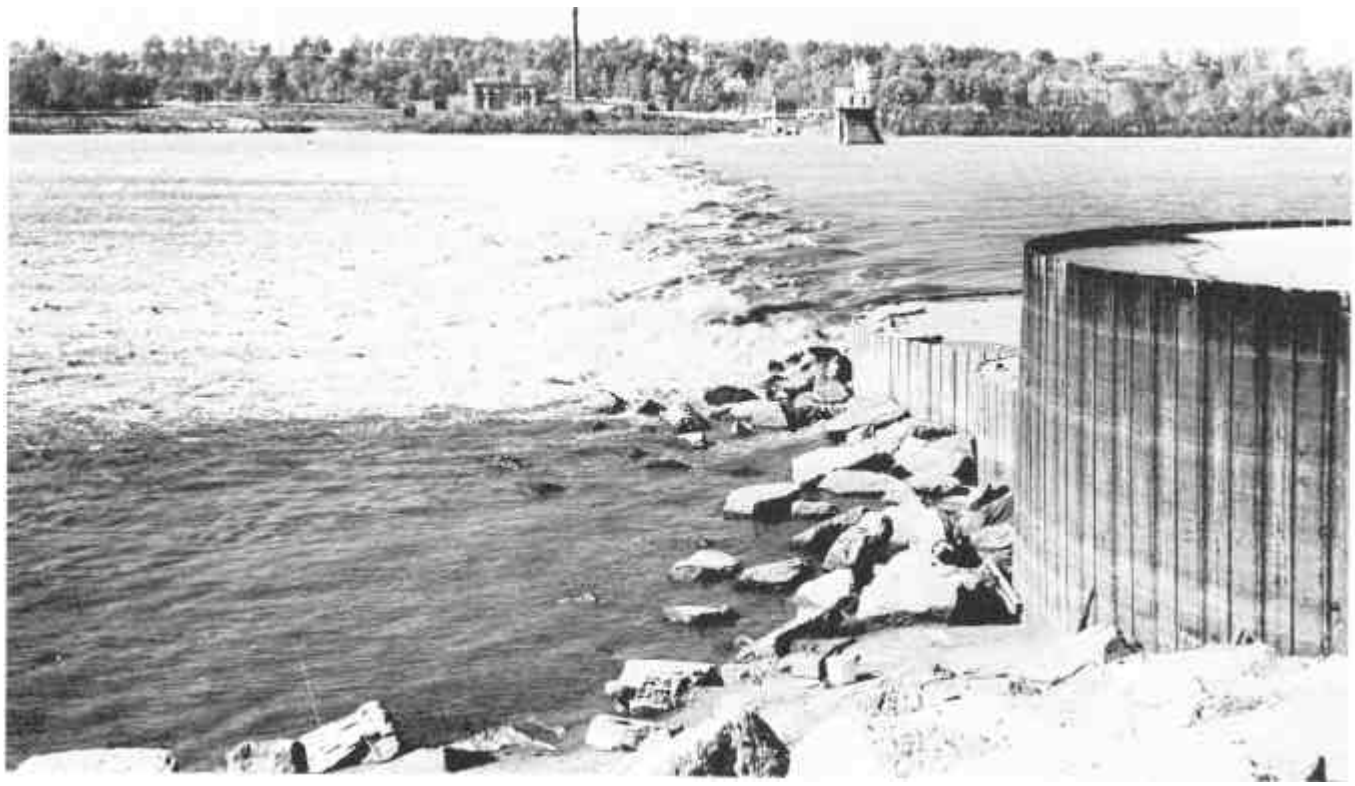
HONORABLE MENTION

CHAIN OF ROCKS LOW WATER DAM PROJECT
ST. LOUIS, MISSOURI

Engineer: R.W. BOOKER AND ASSOCIATES, ST. LOUIS, MISSOURI

Supervised by: ST. LOUIS DISTRICT

Contractor: MASSMAN CONSTRUCTION CO., INC., KANSAS CITY, MISSOURI
AND FRAZIER-DAVIS CONSTRUCTION CO., INC., ST. LOUIS, MISSOURI



JUDGES COMMENTS

Although the Chain of Rocks Low Water Dam presents no visible features, this fact does not detract from the excellence of the engineering solution; it may be in fact an evidence of the excellence. The project has been accomplished without the need for any structure which would be obtrusive in the surroundings, and the appearance of the river has been improved by the addition of an attractive, controlled rapid. While the complexities of the embankment design are not visible to the viewer of the completed structure, the project purpose is apparent with an added feeling of simplicity and enhancement of natural beauty.

OTHER ENTRIES

★ CENTRAL HEATING AND REFRIGERATION PLANT, FORT GORDON, GA.,
submitted by the Savannah District, Corps of Engineers.

★ CONTINUOUS WELDED PLATE GIRDER BRIDGE, STATE HIGHWAY 14, RED ROCK RESERVOIR, DES MOINES RIVER, IOWA,
submitted by the Rock Island District, Corps of Engineers.

★ FOX POINT HURRICANE BARRIER, PROVIDENCE, RHODE ISLAND,
submitted by the New England Division, Corps of Engineers.

★ HURRICANE BARRIER, NEW BEDFORD, MASSACHUSETTS,
submitted by the New England Division, Corps of Engineers.

★ OAHE DAM AND RESERVOIR, SOUTH DAKOTA,
submitted by the Omaha District, Corps of Engineers.

★ STRUCTURE 79, FLOOD CONTROL PROJECT, CALOOSAHATCHEE RIVER, FLORIDA,
submitted by the Jacksonville District, Corps of Engineers.


ESSAYONS