

RECEIVED

IMPORTANT NOTE—If you reside or have your principal office in the localities of a Chapter or Chapters of The Institute which are opposed to the "Architects' Roster" or the "Register of Architects Qualified for Federal Public Works", do not answer or fill out the questionnaire.

CITY OF Jacksonville ✓

MAY 29 1946 STATE OF Florida

EDMUND R. PURVES DATE May 20, 1946

*Fla. No. Chapt.*

QUESTIONNAIRE FOR ARCHITECTS' ROSTER AND/OR REGISTER OF ARCHITECTS QUALIFIED FOR FEDERAL PUBLIC WORKS

TYPING IS MANDATORY. PARTNERSHIPS SHOULD MAKE A JOINT RETURN ONLY. Pink copy is to be retained by the author; other copies to be mailed to The American Institute of Architects, 1741 New York Avenue, N. W., Washington 6, D. C.

- 1. (a) FIRM (individual or partnership) Reynolds, Smith & Hills, Architects & Engineers
(b) FORMER FIRM, if any
2. BUSINESS ADDRESS 10 South Laura Street, Jacksonville, Florida
3. YEAR ESTABLISHED 1932 for Ivan H. Smith (Partnership established 1940)

Table with 2 columns: Name of Principal, Name of Principal. Row 1: Ivan H. Smith - Architect, John F. Reynolds, George B. Hills, Chas. E. Richheimer. Row 2: See Attached Enclosure "A"

Furnish data complete, but keep to essentials. Describe each member of firm individually; if more than two, append extra sheets.

- (a) Date of Birth Jan. 25, 1907
(b) Education 1 Year Engineering University of Florida
1 Year Architecture Ga. Tech
2 Years Architecture University of Florida
B. S. Architecture University of Florida 1929

- (c) Experience Prior to Own Practice
(Give architect or architectural firm affiliations, positions held, and approximate dates of employment.)
Fred Hendericks - St. Augustine, Fla. 1925 - Junior Draftsman
Rudolph Weaver - Gainesville, Fla. 1926-27 - Draftsman
Rudolph Weaver - Gainesville, Fla. 1927-30 - Intermittant-Draftsman
Russell T. Pancoast - Miami, Fla. 1930 - Draftsman

- (d) Commenced Practice 1932

- (e) Number of Years
a Principal 1932-1940 - in Own Practice - Ivan H. Smith - Architect
1940-Present - Principal (Architect Member)
Reynolds, Smith & Hills
Architects & Engineers

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(f) **Architectural Licenses**  
(Give State, Number and Year Issued.)

Florida 968 1932 .....  
Georgia 403 1939 .....  
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(g) **Professional Societies and Offices Held**

Corporate Member Fla. North Chapter A.I.A.-1937-Present .....  
Board of Directors Fla. North Chapter 3 years .....  
President Fla. North Chapter 1942 .....  
Member Unification Committee (National Organization) 1940 .....

(h) **Service in World Wars I and II.** (Append data if desired.)

World War II - U.S.N.R. Commissioned, Lt. (Jg) Apr. 1943 .....  
Active Service Aug. 30, 1943 to Dec. 11, 1945 .....  
At Navy Dept. Washington, D. C. approx. 1 yr. 3 mos. ....  
India-Burma Theatre approx. 1 yr. ....  
Separated Dec. 1945 - Lieut. U.S.N.R. ....

(i) **Civic Activities**

Rotary Club - Jacksonville - Since 1937 .....  
Member Building Code Committee - Jacksonville, Fla. ....  
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5. **CONSULTANTS USUALLY EMPLOYED:** See Attached Enclosure "B" )  
(If a member of your staff, so state) Key Personnel on Staff )  
Reynolds, Smith & Hills )

(a) **STRUCTURAL ENGINEERS**

Name of Firm or Individual .....  
Business Address .....

(b) **HEATING & VENTILATING ENGINEERS**

Name of Firm or Individual .....  
Business Address .....

(c) **ELECTRICAL ENGINEERS**

Name of Firm or Individual .....  
Business Address .....

(d) **PLUMBING OR SANITARY ENGINEERS**

Name of Firm or Individual .....  
Business Address .....

(e) **LANDSCAPE ARCHITECTS**

Name of Firm or Individual .....  
Business Address .....

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6. OTHER REMARKS RE QUALIFICATIONS: .....

(Append extra sheet if necessary) .....

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7. SUMMARY OF PROJECT COSTS:

	Largest Single Job	All Jobs Valuation	Annual Average
Work Completed 1930-1940	See Attached Enclosure "C" for Work of Principals Prior to Partnership 1940		
Work Completed 1941- <del>1944</del> 1945	\$7,000,000.00	\$126,005,828.00	\$25,201,165.00
Current Work under construction or working drawings authorized	\$2,000,000.00	\$7,120,000.00	

8. REPRESENTATIVE WORK FOR WHICH YOU WERE ARCHITECT OR WERE ASSOCIATED WITH OTHERS:

(a) Three Projects Not Exceeding Cost of \$300,000:

Name of Project	Cost	Location	Owner
Duval County Hospital Addn.	\$300,000.00	Jacksonville, Fla.	Duval Co. Welfare Board
North Shore School	\$185,000.00	Jacksonville, Fla.	Duval Co. Board Public Inst
Clark & Lewis Warehouse	\$175,000.00	Jacksonville, Fla.	Clark & Lewis

(b) Three Projects Costing From \$300,000 to \$1,000,000:

Name of Project	Cost	Location	Owner
Brentwood Housing (Associate)	\$900,000.00	Jacksonville, Fla.	Housing Authority/ Jacksonville
Duval Co. Hospital (Addn.)	\$900,000.00	Jacksonville, Fla.	Duval Co. Welfare Board
Army Housing Tyndall Field	\$609,000.00	Panama City, Fla.	Natl. Housing Agency

(c) Three Projects Costing Over \$1,000,000:

Name of Project	Cost	Location	Owner
Building & Utilities-Ordnance Plant	\$1,000,000.00	Mississippi	U. S. Army
Naval Air Sta. Complete	\$7,000,000.00	Central Fla.	U. S. Navy
Army Air Field-A.E. Titles I & II	\$5,500,000.00	South Georgia	U. S. Army

9. PHOTOGRAPHS/PHOTOSTATS:

The author submits herewith photographs or photostats (size 8" x 10") of several buildings for which he has been the Architect, as follows: (N.C.A.R.B. presentation acceptable.)

See Attached Enclosure "D"

10. COLLABORATION WITH JUNIOR ARCHITECTS:

- (a) If an established individual or firm, are you willing to collaborate with other firms or individuals which would permit junior architects to qualify and help further their professional careers?

Yes.

- (b) If in private practice at this time, name associates (if additional architects are to be added to your organization) for the purpose of qualifying:

Walter B. Schultz - A.I.A. Architect - Chief Architect, Reynolds, Smith & Hills

- (c) If not in private practice at this time, name established architect or firm with whom you have agreed to collaborate, for the purpose of qualifying:

11.(a) I/We wish to be [X] included in the Architects' Roster
do not wish to be [ ]

(b) I/We would like to be [X] considered for the Register of Architects Qualified for Federal Public Works
do not wish to be [ ]

I/We hereby certify that the above is a true statement of facts.

Name of Firm or Individual Reynolds, Smith & Hills, Architects & Engineers

Signed by all Principals:

Handwritten signatures and names: John F. Reynolds ASCE, Ivan H. Smith AIA, Geo. B. Hills ASCE, Chas. E. Richheimer ASCE

4. PERSONAL HISTORIES  
OF PRINCIPALS

Name of Principal

GEORGE B. HILLIS

- (a) Date of Birth - 5 May, 1890
- (b) Education - B.S. CE Armour Inst. of Tech. 1911  
CE Armour Inst. of Tech. 1918
- (c) Experience Prior to Own Practice  
1911-1913 Eng'r: Rivers & Lakes Commission - State of Illinois  
(1913-1915 Eng'r Mngr. - Southern Business - Isham Randolph & Co.  
(Consulting Engineers: Chicago & Jacksonville, Fla.  
1915-1920 - Member, Isham Randolph & Co.  
1920 to date: Private Practice
- (d) Commenced  
Practice - 1911
- (e) Number of Years  
a Principal - 31 years
- (f) Engineering Licenses  
Registered Engineer: #125, Florida - 1917 to date
- (g) Professional Societies and Offices Held  
Am. Soc. Civil Engrs. Assoc. Mem. 1920-1928, Member 1928 to date  
Fla. Eng. Soc. Member 1917-1943, Fellow 1943 to date  
Newcomen Society of North America - Member 1939 to date
- (h) Service in World Wars I and II.  
I. No active service  
II. Chief, Price Adjustment Section: South Atlantic Division  
U. S. Engineers; War Department: Dec. 1942-Dec. 1943
- (i) Civic Activities  
Member and Past Director - Fla. State Chamber of Commerce  
Past Treasurer: Ala. State Fair Assoc. (Dissolved)  
Member & Past Pres. - Jacksonville Chamber of Commerce  
Hon. Member & Past Pres: Jacksonville Rotary Club  
Biographical Reference: Whose Who in America; 1934 to date

4. PERSONAL HISTORIES  
OF PRINCIPALS

Name of Principal

JOHN F. REYNOLDS

(a) Date of Birth - Ja. 18, 1885

(b) Education - High School Storm Lake, Iowa, graduated 1904  
Iowa State College, graduated B.C.E. 1908

(c) Experience Prior to Own Practice

1909-1912 - Asst. Div. Engr. Oregon Short Line R.R.  
1913-1917 - Structural Design & Construction - Various  
1917-1919 - 1st Lt. & Capt. U. S. Engineers  
1919-1924 - Dist. Engr. Iowa State Highway Commission  
1924-1934 - Contractor: Hillyer & Reynolds  
1934-1940 - Consulting Structural Engr. Jacksonville, Fla.  
1940-Date - Partner, Reynolds, Smith & Hills - Architects & Engineers

(d) Commenced  
Practice - 1924

(e) Number of Years  
a Principal - 22

(f) Engineering Licenses

Iowa - 223  
Georgia - 995  
Florida - 1665

(g) Professional Societies and Offices Held

American Society C. E. - Pres. Florida Section  
Society American Military Eng'rs - Pres. Local Section  
Fla. Eng'r Society - Director  
Engr. Professions Club

(h) Service in World Wars I and II.

World War No. 1 - 1st Lt. & Capt. Corps of Eng'rs - 27 months. 19 Months  
in France

(i) Civic Activities

Chamber of Commerce & Kiwanis Club of Jacksonville, Fla.

4. PERSONAL HISTORIES  
OF PRINCIPALS

Name of Principal

CHARLES E. RICHHEIMER

- (a) Date of Birth - Dec. 30, 1907
- (b) Education - B. S. in Bus. Admin. and Civil Engineering from Massachusetts Institute of Technology - Class of 1928
- (c) Experience Prior to Own Practice
- 1928-33 - Tricolorator Co. Inc. - New York City - Installation Engineer and Asst. to Pres.
- 1933-35 - U. S. Engineers - Jacksonville, Fla. Dist.-General Inspector - Construction
- 1935-to date - Member of G. A. Youngberg & Associates, Jacksonville, Fla., Consulting Civil Eng'rs
- 1940-to date - Member of Reynolds, Smith & Hills, Jacksonville, Fla., Architects & Engineers
- (d) Commenced Practice - 1935
- (e) Number of Years a Principal - 11
- (f) Engineering Licenses
- Fla. - Engr. Reg. #1677 - 1935
- Fla. - Surveyor - #174 - 1935
- (g) Professional Societies and Offices Held
- Mem: A. S. C. E.--Past Sec'y & Vice-Pres.-Fla. Section
- Mem: Fla. Engr. Soc.
- Mem: A. W. W. A.
- Mem: S. A. M. E.
- Mem: Fla. Sewage Works Assn.
- (h) Service in World Wars I and II.
- 1943-1945 - Captain - Sn. C.-A. U. S.
- (i) Civic Activities

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ENCLOSURE "B"

Key Personnel

Reynolds, Smith & Hills  
Architects & Engineers  
Jacksonville, Florida

John F. Reynolds, Structural Engineer (partner).

Education: B.S.C.E., Iowa State College, Amos, Iowa, 1908.  
Engineer, Oregon Short Line, 1908-1913.  
Structural Design, buildings, Salt Lake City, 1913-1914.  
Drainage and Highway Engineer, Storm Lake, Iowa, 1914-1916.  
Structural Design, buildings, Truscon, Youngstown, Ohio, 1916-1917.  
1st Lt. and Captain, 504 Engineers, A.E.F., including 19 months in  
France, 1917-1919.  
District Engineer, Iowa Highway Commission, 1919-1924.  
Superintendent of Construction, Highway and Bridges, Iowa and Florida,  
1924-1926.  
Member, Hillyer & Reynolds, Jacksonville, Florida, Contractors on Bridges,  
Seawalls and Heavy Foundations, 1926-1935.  
Consulting Engineer, Jacksonville, Florida, 1935 to date.  
Tau Beta Pi; Member, Florida Engineering Society; Member, Iowa Engineering  
Society; Member, S.A.M.E.; Member, A.S.C.E.; registered to practice in  
Florida, Georgia and Iowa.

Ivan H. Smith, Architect (partner).

Education: Georgia Institute of Technology and University of Florida.  
B.S. in Architecture, 1929.  
Private architectural practice, Jacksonville, Florida, 1929-1943.  
Designed and supervised construction of over 500 projects, including  
hospitals, armories, public buildings, school houses, churches, theatres  
and residences.  
Commissioned officer in U.S. Navy, August 1943 to November 1945.  
Member American Institute of Architects, and registered to practice in  
Florida and Georgia.

George B. Hills, Hydraulic Engineer (partner).

Education: Armour Institute of Technology, Chicago, Illinois. B.S.C.E.  
1911. C.E. 1918.  
Employed by Isham Randolph, Consulting Engineer, Chicago, Illinois, 1912-  
1916.  
Member, Isham Randolph & Company, Chicago and Jacksonville, in charge of  
southern business, 1916-1920.  
Engaged in private engineering practice in Jacksonville, Florida, 1920 to  
date.  
Has planned and supervised land reclamation projects in excess of  
\$25,000,000; river and harbor projects and municipal projects, including  
Miami Municipal Docks, Port Everglades Harbor, etc.  
Consulting Engineer to the State of Florida and to Okeechobee Flood Control  
District on Everglades reclamation, including studies and plans for Lake  
Okeechobee Flood Control constructed by U. S. War Department at a cost  
in excess of \$20,000,000.  
Consulting Drainage Engineer for Seaboard Airline Railway, 1928 to date.



Consulting Engineer for U. S. Sugar Corporation, 1930 to date.  
Tau Beta Pi.  
Member, Florida Engineering Society.  
Member, S.A.M.E.  
Member, A.S.C.E.  
Member, Newcomen Society, N.A.  
Registered to practice in Florida.

Charles E. Richheimer, Sanitary Engineer (partner).

Education: Massachusetts Institute of Technology.  
B. S. in business administration and C.E., 1928.  
General practice as engineer, Jacksonville and New York, 1928-1935.  
Partner in G. A. Youngberg and Associates, 1935 to date.  
Commissioned officer, U. S. Army Sanitary Corp, March 1943 to November 1945.  
Extended experience in design and supervision of water distribution and water supply systems, with special work in development of automatic sea water regenerated Zeolite water softening plants for municipalities and industries, and in the design and supervision of facilities for the collection and treatment of sanitary and industrial wastes.  
Member, Florida Engineering Society.  
Member, A.W.W.A.  
Member, A.S.C.E.  
Member, S.A.M.E.  
Member, Florida Sewage Works Association.  
Registered to practice in Florida.

Gilbert A. Youngberg, Consulting Engineer (Affiliate - retired as partner 1946), Brigadier General, U. S. Army, Retired.

Education: U. S. Military Academy, West Point, 1900.  
Extended experience in U. S. Engineer Corps, 1900-1922, including Executive Officer for Chief of Engineers, A.E.F., 1917-1918, in charge of Fourth Engineering Division, and Secretary of General Staff, FHQ, all in A.E.F. Assistant to Chief of Engineers, U. S. A., Washington, D. C., 1919-1922. U. S. District Engineer, Jacksonville, Florida, 1922-1926.  
In private practice as consulting engineer on various river and harbor projects, including studies, plans and economic surveys, 1926 to date.  
Member, A.S.C.E.  
Founder member and past president, S.A.M.E.  
Member, Florida Engineering Society.  
Member, American Shore and Beach Preservation Association.  
Distinguished Service Medal, U.S.A.  
Companion of Distinguished Service Order of Great Britain.  
Officer of the Legion of Honor of France.  
Officer, Order of Saints Mauricio and Lazaro of Italy, and  
Various U. S. A. campaign medals.  
Registered to practice in Florida.

Joseph H. Drake, Mechanical Engineer.

Education: University of Michigan, A.B., 1916, B.S.M.E., 1917.  
Flying Instructor and 2nd Lieut., U. S. Army Air Service, Kelley Field,  
San Antonio, 1917-1919.

Various employment in M.E. field, 1919-1922.

The Detroit Edison Company, Detroit, Mich., switchboard, boiler operation  
and water rate tests, 20 months; turbine operator, 7 months; sub-station  
construction inspector, 5 months; safety inspector, Trenton Channel  
Station, 6 months; Boiler Room Engineer, in charge of boiler and coal-  
handling equipment, including eight 400 p.s.i. boilers and four 50,000  
K.W. turbines, 39 months. May 1922-October 1928.

Chicago District Electric Generating Corporation, Chicago, Ill., Steam  
Production Superintendent, State Line Station, in charge of operation  
and maintenance 250,000 K.W. boiler room plant, 1200 p.s.i. 850° boilers,  
one 200,000 K.W. cross compound turbine, one 150,000 tandem boiler re-  
heat, hydrogen cooled, turbo generator delivering wholesale power to  
Commonwealth Edison Company of Chicago. October 1928-July 1941.

United Engineers and Constructors, Philadelphia, Pa., Chief Operating  
Engineer. Inspection and approval of power plants built by concern and  
starting and operating such plants before turnover to clients. Plants  
included four 30,000 K.W. floating power plants for U. S. Army; power  
plants for Colorado Fuel & Iron Company; Connecticut Light & Power  
Company; Parris Island Marine Barracks; American Locomotive Company;  
Alboma Steel Company of Canada; Republic Steel Corporation at Gadsden,  
Ala., Canton, Ohio, and Chicago. November 1941-August 1944.

On staff of Reynolds, Smith and Hills, specializing in design starting  
and operating new power plants, and operating efficiency of boiler and  
power plants, 1944 to date.

Member, A.S.M.E.

Registered to practice in Florida.

Alfred J. Edge, Mechanical Engineer.

Education: Cornell University, C.E. degree 1906.

Instructor in engineering at Cornell, 1906-1907.

Design and supervision engineering work, 1907-1917.

Assistant Director, Technical Department, U. S. Rubber Company Plants, Inc.,  
on research all phases culture and manufacture of hevia rubber, Sumatra,  
D.E.I.; including office manager of five Malayan estates and chief  
engineer in charge of development of spray drying of rubber latex and  
construction of factories for processing, 1917-1924.

Consulting Engineer and builder in private practice in New York City, in-  
cluding association with Thos. J. Steen on \$3,000,000 Garden Apartment  
and Medical Center in Westchester County and Connecticut, 1924-1933.

Air-conditioning Engineer for G. E. refrigeration and air-conditioning  
equipment distributors in Atlanta, Savannah and Jacksonville, 1933-1937.

With Reynolds, Smith and Hills, and predecessors, on heating, air-  
conditioning and mechanical facilities for various projects. During  
this period, while on special leave, laid out heating of U.S.N.A.S.,  
Cherry Point, N. C., revamping heating and ventilating for part of  
Rutgers University, and air-conditioning of six operating rooms for

U.S.N. Hospital, St. Albans, Long Island, 1937 to date.  
Member, American Society of Heating and Ventilating Engineers.  
Member, Cornell Engineering Society.  
Registered to practice in New York State.

William L. Garlington, Electrical Engineer.

Education: Alabama Polytechnic Institute, Auburn, Alabama.

B.S.E.E., 1927. E.E., 1934

General Electric Company, Schenectady, New York. Test Engineer on motors and generators, transformers, switchboards, and industrial control equipment, 1927-1928.

Commonwealth & Southern Corporation, Birmingham, Alabama. Field Engineer on construction of primary substations, installation of synchronous condensers, switching equipment, switchboards, and communication equipment, 1928-1930.

Florida Power Corporation, St. Petersburg, Florida, Substation Engineer responsible for design and layout of substations and electrical installations of power plants; appraisal of all power plants and substations by units of equipment; construction and maintenance of all substations; assisted in establishing system operating standards, procedures, and reports to various Governmental agencies, 1930-1942.

Commissioned Officer, U. S. Navy, U. S. Naval Station, Key West, Florida. Electrical Officer with rank of Lieutenant Commander, U.S.N.R., on staff of Industrial Manager; responsible for all ship electrical repair and installations, 1942-1945.

Reynolds, Smith and Hills, Electrical Engineer, 1945 to date.

Member, American Institute of Electrical Engineers.

Member, Tau Beta Pi and Eta Kappa Nu.

George Gould, Structural Engineer.

Civil Engineer, N. B. Wilkinson, Knoxville, Tenn., 1934-1936.

Civil Engineer, University of Tennessee, Knoxville, Tenn., 1936-1937.

Structural Engineer, Aluminum Company of America, Alcoa, Tenn., 1937-1938.

Structural Engineer and Field Inspector, 1938-1939.

Estimator, private practice, Knoxville, Tenn., 1939-1940.

Chief of Reinforcing Department, Ludman Corporation, Miami, Florida, 1940.

Structural Engineer, W. P. Thurston Company, Richmond, Virginia, December 1940-March 1942.

Structural Engineer and Project Manager, Reynolds, Smith and Hills, March 1942 to date.

Herbert McClammy, Jr., Mechanical Engineer.

Education: College, L'Ecole Polytechnique, Paris, France.

Post Graduate, (Thermodynamics) M.I.T., Boston, Mass.

In private practice as Mechanical Engineer: Installation and servicing

of oil burning and stoker equipment. Design of ventilation equipment for industrial projects in the U.S.S.R. Installation of power and machine equipment for a copper mining corporation, 1930-1936.

Assistant to Chief Engineer, Steam Division, Foster Wheeler Corporation, New York, N.Y. Design of marine steam generating and heat recovery equipment for C-2 and C-3 Maritime Commission vessels. Design of high pressure and temperature boilers for the United States Navy. Checking contract conditions and boiler designs, 1936-1941.

Mechanical Engineer, Burns & Roe, Inc., New York, N.Y. In charge of design of public utility and industrial power plants. Design of heat recovery units for steam generators. Specifications and purchase of materials, 1941-1942.

Mechanical Engineer, Gibbs & Hill, Inc., New York, N.Y. In charge of engineering design of mechanical features for seven steam and electrical generating stations for the Russian government. Consultant to E. B. Badger & Sons Company on the extension of power generating facilities for two catalytic cracking plants for the Russian government. Engineer on the extension of steam generating facilities for Perry "K" Station, Indianapolis Power & Light Company, Indianapolis, Indiana, 1942-1945.

Byrne Associates, Inc., 80 Wall Street, N.Y.C. Vice President, in charge of mechanical design of various industrial and utility projects. Designed hospital for construction in Curacao and various processes for silk drying in textile mills, February 1945-January 1946.

On staff of Reynolds, Smith & Hills, specializing in design of new power plant, January 1, 1946 to date.

Member, Society Naval Architects and Marine Engineers.

Walter J. Parks, Jr., Sanitary Engineer

Education: University of North Carolina. B.S. in C.E., 1929.

Superintendent - Water and Sewer Departments, Lincolnton, N.C., 1929-1933.

Engineer in Charge of Water Supply Facilities, Asheville, N.C., 1933-1941.

Associated with Dr. Charles E. Waddell, Consulting Engineer, Asheville, N.C., 1933-1941.

Associate Sanitary Engineer, War Department, Camp Davis, N.C., 1941-1942.

Sanitary Engineer, War Department, Miami Beach Service Base, Miami Beach, Florida, 1942-1945.

Sanitary Engineer, Reynolds, Smith and Hills, 1945 to date.

Diversified experience in the field of Sanitary Engineering specializing in the problems of Water Supply.

Member, A.W.W.A.

Member, A.S.C.E.

Member, Florida Sewage Works Association.

Past President, Engineers Club of Western North Carolina.

Walter B. Schultz, Chief Architect.

Education: University of Florida, 1932-1933.

Employed as draftsman, designer and architect by 6 different firms, 1934-1938.

Architect for Ivan H. Smith, Jacksonville, Fla., October 1938-March 1941.  
Architect, Reynolds, Smith and Hills, Jacksonville, Fla., March 1941-  
August 1943.

Chief Architect, Reynolds, Smith and Hills, August 1943 to date. Work  
has involved private and public buildings, theatres, hospitals, office  
buildings, etc., including various structures at N.A.S. and Army  
projects.

Member, American Institute of Architects.  
Member, Florida Association of Architects.  
Registered to practice in Florida.

James F. Shivler, Jr., Sanitary Engineer.

Education: University of Florida, Gainesville, Fla., B.S.C.E. 1938;  
M.S. in Engineering, 1940.

Laboratory Technician and Instructor in Civil Engineering, University  
of Florida, 1940-March 1942.

Sanitary and Hydraulic Engineer with Reynolds, Smith and Hills,  
March 1942-August 1943.

Commissioned Officer in U. S. Navy, Civil Engineer Corps, August 1943-  
January 1946.

Sanitary Engineer with Reynolds, Smith and Hills, February 1946 to date.  
Work has involved design, planning and supervision of construction of  
water supply and distribution systems, sewage collection systems and  
treatment plants, and residual fuel oil transfer and storage depots;  
also field and office work incidental to the preparation of project  
surveys.

Member, A.S.C.E.  
Member, S.A.M.E.

William O. Sparklin, Structural Engineer-Architect. (In charge Tampa,  
Florida office)

Education: 2 years, Baltimore Polytechnic; 4 years Maryland Institute,  
1893-1899.

Architectural and engineering work Baltimore Structural Steel Company,  
1899.

Baltimore & Ohio Railroad, bridge department, including design of  
several bridges still in use, 1900-1904.

Chief Draftsman, Dietrich Brothers, Baltimore, design of structural  
steel and reinforced concrete, 1904-1909.

Private practice as architect and structural engineer, including service  
as chief architect and engineer for Barron G. Collier, on banks, office  
buildings, telephone exchanges, hotels, newspaper plants, etc., from  
1926 to 1933. 1909-1941.

Structural Engineer and Architect with Reynolds, Smith and Hills on  
various projects, 1941 to date.

Work in the 36-year period, 1909-1945, has included practically all  
phases of architectural and structural engineering design and super-  
vision, such as large theatres including heavy cantilever balconies,  
bridges, buildings, docks and terminals, etc.



Chester F. Titus, Electrical Engineer.

Education: University of Wisconsin; work in electrical engineering. Florida Power and Light Corporation. Division Engineer in charge of engineering construction and operation in Northern Division. 1300 miles of line and 30,000 customers, 1926-1939.

Scotfield Engineering Company. Resident Engineer on additions and extensions to municipal power plant and distribution system, Jacksonville, Florida. \$2,503,000. 1939-1941.

Smith & Gillespie. Electrical Engineer in charge of design, plans and supervision of power and distribution facilities for Army projects at Dale Mabry Field, Tallahassee, Fla.; Tyndall Field, Panama City, Fla., and Camp Murphy, Hobe Sound Fla. \$1,500,000. 1941-1942.

Private practice involving, typically, design, plans and supervision of power distribution and service facilities for St. Johns River Shipbuilding Company (U. S. Maritime Commission), Jacksonville, Fla.; Merrill-Stevens Dry Dock & Repair Company (U. S. Navy), Jacksonville, Fla.; McEvoy Shipbuilding Corporation (U. S. Maritime Commission), Savannah, Ga.; Drew Field (U. S. Army), Tampa, Fla.; Auxiliary Base (U. S. Army), Mountbrooke and Venice, Fla.; and Ladd Field (U. S. Army), Nome, Alaska, 1942-1945.

Reynolds, Smith and Hills, associated as electrical engineer, 1945 to date.

Member, A.I.E.E. and Chairman, Florida Section.

Member, Florida Engineering Society.

Registered to practice in Florida, Georgia and Alaska.

ENCLOSURE "C"  
Experience Record  
Reynolds, Smith & Hills  
Architects & Engineers  
Jacksonville, Florida

RESUME - Value of Work

Total value work for U. S. Navy, March 1941 to January 1, 1946 -	\$ 20,341,462
Total value work for U. S. Army, March 1941 to January 1, 1946 -	30,603,225
Total value work for other Federal Agencies, March 1941 to January 1, 1946 - - - - -	18,490,856
Total value work for clients other than Federal Government, March 1941 to January 1, 1946 - - - - -	57,392,285
Total value all work, March 1941 to January 1, 1946 - - - - -	\$126,827,828



EXPERIENCE RECORD

Architect-Engineer commitments serviced by this firm or by Reynolds, Brewton, Smith and Hills (the firm style used from 15 February 1941 to 27 November 1942), date from 1 March 1941. Typical projects handled by members of the firm prior to that date include:-

Consulting Engineer to the State of Florida on reclamation of the Florida Everglades, involving project costs in excess of - - - -	\$20,000,000
Consulting Engineer for Okeechobee Flood Control District, on the planning and design of navigable channels and levees for flood protection around Lake Okeechobee, Florida, constructed by local interests and U. S. War Department, at a cost in excess of - - -	\$20,000,000
Chief Engineer and Director of Procurement for Florida Inland Navigation District (Intracoastal Canal), constructed by local interests and U. S. War Department, at a cost in excess of - - -	\$10,000,000
Chief Engineer for Broward County Port Authority on planning and supervision of construction of Port Everglades, Florida, a 35-foot project constructed at an initial cost in excess of - - - - -	\$ 5,000,000
Architects and Engineers for Florida State Office Building at Tallahassee, Florida, a 4-story ornamental concrete office building, costing in excess of - - - - -	\$ 250,000
Associate Architect on various housing projects in Jacksonville, Florida, costing in excess of - - - - -	\$ 4,000,000
Architect for Duval County Welfare Board, on alterations and additions to Duval County Hospital at Jacksonville, Florida, costing in excess of - - - - -	\$ 300,000
Structural design: St. Johns River bridge at Arlington, Jacksonville, Florida - - - - -	\$ 4,100,000
Structural design: Davis Street Viaduct, Jacksonville, Florida,	\$ 500,000
Design: St. Johns River bridge at Main Street, Jacksonville, Florida, (in association with Harrington & Cortelyou) - - - - -	\$ 1,900,000
Chief Engineer for Treasure Island, Florida, on design and supervision of ornamental concrete bridge from Treasure Island to St. Petersburg, Florida, costing in excess of - - - - -	\$ 1,000,000
Engineer in Charge of design and supervision of construction of Bull Steamship Line terminals (a 30-foot project), at Jacksonville, Florida, costing in excess of - - - - -	\$ 250,000
Economic Surveys to determine extent and character of improvements justified:- typically,	
Atlantic Gulf Ship Canal across Florida - - - - -	\$50,000,000
Guadalupc-Blanco River System, Texas - - - - -	\$46,000,000
San Antonio River, Texas - - - - -	\$25,000,000
Intra-coastal Waterway, Corpus Christi to Brownsville, Texas - -	\$ 4,000,000

Engineering or architectural services on various projects,  
 including terminals; public, private and industrial buildings;  
 reclamation works; sewer and water projects; totalling in  
 excess of - - - - - \$60,000,000

A complete experience record, beginning 1 March 1941, is presented  
 hereafter.

1941 EXPERIENCE RECORD

<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
U. S. Army	* Advance Twin Engine Flying School - A-E Titles I and II.	Valdosta, Ga.
FWA	3 public school buildings. Plans and specifications.	Bay County Fla.
FWA	Water supply and electric power plant. Plans, specifi- cations and supervision.	Sebring, Fla.
FWA	Public school buildings, Plans, specifications and supervision.	Duval County, Fla.
FWA	Public school buildings. Plans, specifications and supervision.	Panama City, Fla.

TOTAL COST for 1941 \$6,433,847

\* In association with Bradbury and Stockmar of  
 Atlanta, Ga.

1942 EXPERIENCE RECORD

U. S. Navy	Buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
U. S. Navy	Ship Repair and Conversion Yard. Plans, specifications, and supervision.	Jacksonville, Fla.
U. S. Navy	118-ton marine lift. Plans and specifications.	Savannah, Ga.
U. S. Army	Topographic surveys	Vero Beach, Fla.

<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
U. S. Army	Topographic surveys.	Bomber Station, Avon Park, Fla.
U. S. Army	Topographic and construction surveys	Nassau, B. W. I.
U. S. Army	Topographic surveys, training area.	Keystone Heights, Fla.
U. S. Army	Topographic surveys.	Misc., Fla.
U. S. Army	Technical Radio Training School. A-E Titles I and II.	Boca Raton, Fla.
U. S. Army	Topographic surveys.	Homosassa, Fla.
U. S. Army	Jacksonville Bomber Command. A-E Titles I and II.	Jacksonville, Fla.
U. S. Army	Dive Bomber Station. A-E Title I.	Perry, Fla.
U. S. Army	Revisions and extensions, WAAC Training Center A-E Title I.	Daytona Beach, Fla.
U. S. Army	Sanitary sewage facilities for hospital. A-E Title I.	Orlando, Fla.
U. S. Army	Residual Oil Terminals. A-E Titles I and II.	Jacksonville, and Panama City, Fla.
FWA	Public school buildings. Plans and specifications.	Panama City, Fla.
FWA	Water and sewage facilities. Plans, specifications and supervision.	Starke, Fla.
City of Jacksonville	Arterial concrete viaduct. Plans and specifications.	Jacksonville, Fla.
Maritime Commission of Cuba	National Merchant Marine. Studies and preliminary plans.	Habana, Cuba.

TOTAL COST for 1942 \$25,121,518

1943 EXPERIENCE RECORD

<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
U. S. Navy	Marine lift, Section Base. Plans and specifications.	Southport, N. C.
U. S. Navy	Buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
U. S. Navy	Dredging for Ship Repair and Conversion Yard. Plans, specifications and supervision.	Jacksonville Fla.
U. S. Navy	Factual Survey, Post Audit & Technical Report for Close- out Division.	Key West, Fla.
U. S. Navy	Ship Repair and Conversion Yard. Plans, specifications and supervision, Reinforcing of pier for 100-ton Gantry crane.	Jacksonville. Fla.
U. S. Army	7000-foot Runway, Bomber Command Station. A-E Titles I and II.	Jacksonville. Fla.
U. S. Army	*Highway and railroad bridges for Florida Barge Canal. Preliminary Plans and Techni- cal Report.	Various - Fla.
		TOTAL for 1943 \$25,319,625

\*In association with Parsons, Brinckerhoff,  
Hogan and McDonald and Bail, Horton and  
Associates.

1944 EXPERIENCE RECORD

U. S. Navy	50-meter instructional swim- ming pool. Plans and speci- fications.	NAS, Jackson- ville, Fla.
U. S. Navy	Buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
U. S. Navy	Resurfacing runways and drainage. Plans and speci- fications.	NAS, Lake City, Fla.

<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
U. S. Navy	Ship Repair and Conversion Yard. Plans, specifications and supervision for dredging.	Jacksonville Fla.
U. S. Navy	Hangar, buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
U. S. Navy	Paving Runways and drainage. Plans and specifications.	NAS, Daytona Beach, Fla.
U. S. Navy 9 Informal Contracts	Buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
National Housing Agency	Community Building and family units. Plans, specifications and constructing supervision.	260 Tyndall Field, Panama City, Fla.
U. S. Department of Justice	Gandy Bridge. Valuation and testimony.	Tampa-St. Petersburg, Fla.
Duval County, Fla.	Postwar Planning. Consulting Engineers.	Jacksonville, Fla.
Southern Associates, Inc.	Precision manufacture of tractor parts for U.S. Army. Plans and specifications for building and plant, and supervision of operations.	Jacksonville, Fla.
Lake City, Fla.	Municipal Hospital. Plans and specifications.	Lake City, Fla.
Duval County, Fla.	Concrete bridge. Plans and specifications.	Jacksonville, Fla.
Duval County, Fla.	Junior High School. Plans and specifications.	Jacksonville, Fla.
M. E. Church	Church. Plans and specifications.	Jacksonville, Fla.
Miami Beach Railway Co.	Valuation of Venetian Causeway.	Miami and Miami Beach, Fla.
Presbyterian Church	15-story office building - Reconstruction to eliminate rusting of structural frame. Plans, specifications and supervision.	Jacksonville, Fla.

<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
Jno. Z. Fletcher & Associates	Marine lift. Plans and specifications.	Jacksonville, Fla.
J. D. Parrish	35-Room hotel, alterations and extensions. Plans and specifications.	St. Augustine, Fla.
Florida National Bank	Banking room, alterations and extensions. Studies.	Pensacola, Fla.
Foremost Dairies	Milk and ice cream plants. Alterations and extensions. Plans, specifications and supervision.	Jacksonville and Orlando, Fla.
TOTAL for 1944		\$14,526,461

#### 1945 EXPERIENCE RECORD

U. S. Navy	Paving of runways and drainage. Plans and specifications.	NAS, Melbourne, Fla.
U. S. Navy	Buildings and utilities. Plans and specifications.	NAS, Banana River, Fla.
U. S. Army	Buildings and utilities. Mississippi Ordnance Plant. A-E Titles I and II.	Flora, Miss.
Gibbs Gas Engine Co. of Florida	Appraisal of all lands and buildings.	Jacksonville, Fla.
Sanford, Fla.	Municipal Docks and Terminals. Plans and specifications.	Sanford, Fla.
Gulf Atlantic Transportation Company	Office building. Plans and specifications for reconstruction.	Jacksonville, Fla.
St. Marys Kraft Corp.	River bank erosion protection. Plans and specifications.	St. Marys, Ga.
Duval County Board of Public Instruction	Economic and Industrial Survey of School System Facilities.	Jacksonville, Fla.

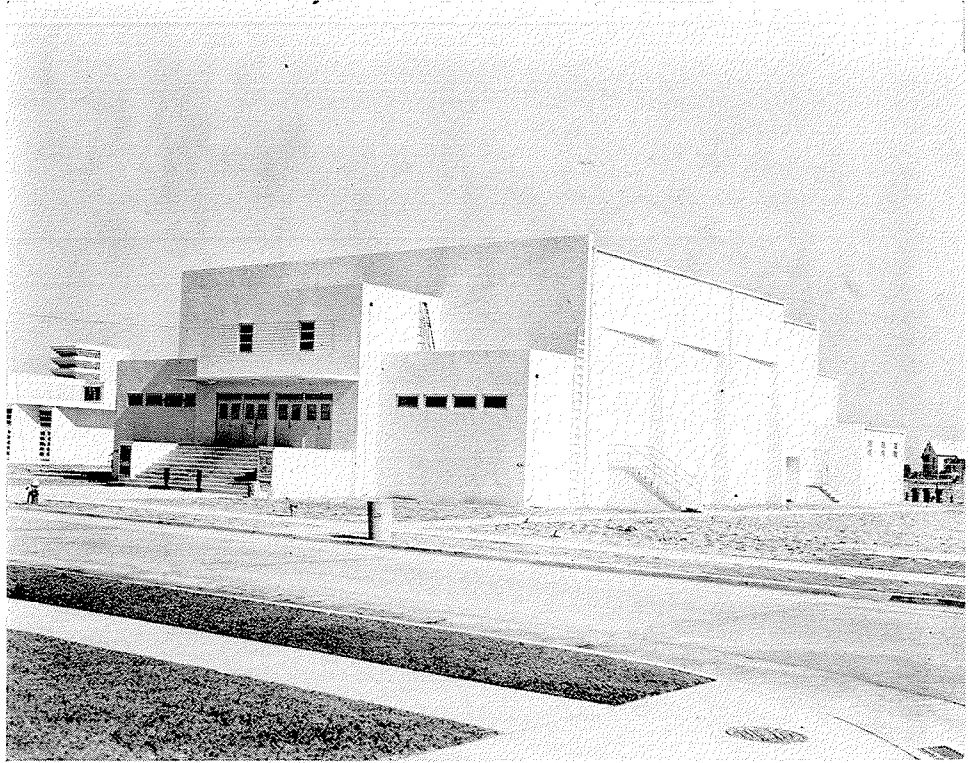
<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
U. S. Army	Miscellaneous buildings, airfields and utilities. Plans.	Savannah, Ga.
Various Private	Four specialized store and office buildings. Plans and specifications.	Jacksonville, Fla.
Wilson & Toomer Fertilizer Company	Heavy foundations, Sulphur Storage and Docks. Plans and specifications.	Jacksonville, Fla.
Duval County Welfare Board	General and Psychiatric Hospital units, Nurses' Home, Internes' Home, et cetera. Plans, specifications and supervision.	Jacksonville, Fla.
Lower Peninsula Planning Commission of Virginia	Economic and preliminary engineering studies for <b>airport facilities.</b>	Newport News, Virginia.
Reconstruction Finance Corpora- tion - Office of Defense Plants	Engineering studies and specifications for lay-up - Consolidated Vultee Aircraft Corporation; Oil Terminals at Jacksonville and Panama City, Florida; and Trans-Florida Pipe Line plants and facilities.	
North St. Lucie River Drainage District	Engineering review of reclamation facilities.	Florida.
Rural Electrifica- tion Administration	Survey of electric power facilities	Alma, Ga.
Whatley, Davin & Company	Forty-Six residences. Plans.	Jacksonville, Fla.
Radio Station WPDQ	Transmitter station. Plans and specifications.	Jacksonville, Fla.
City of Jackson- ville, Florida	Consulting Engineers for Municipal Electric Power Plant. Plans, specifications, supervision and General Consulting Service for rehabilitation and new facilities.	Jacksonville, Fla.



<u>Client</u>	<u>Type of Work</u>	<u>Location</u>
City of Jacksonville	Consulting Engineers for Municipal Water System, Plans, specifications, supervision and General Consulting Service for rehabilitation and new facilities.	Jacksonville, Fla.
Various private	Remodeling three existing buildings for special purpose; plants and offices.	Jacksonville, Fla.
City of Starke, Fla.	Six municipal projects, as follows: 1) Electric Distribution System Rehabilitation 2) Water Works Additions 3) Street Paving 4) Storm Drainage 5) Incinerator 6) Fire Alarm System	Starke, Fla.
Bradford County, Fla.	County Hospital, 25-36 beds	Starke, Fla.

TOTAL FOR 1945 \$55,426,377

ENCLOSURE "D"  
Representative Photographs  
Work, Reynolds, Smith & Hills  
Architects & Engineers  
Jacksonville, Florida

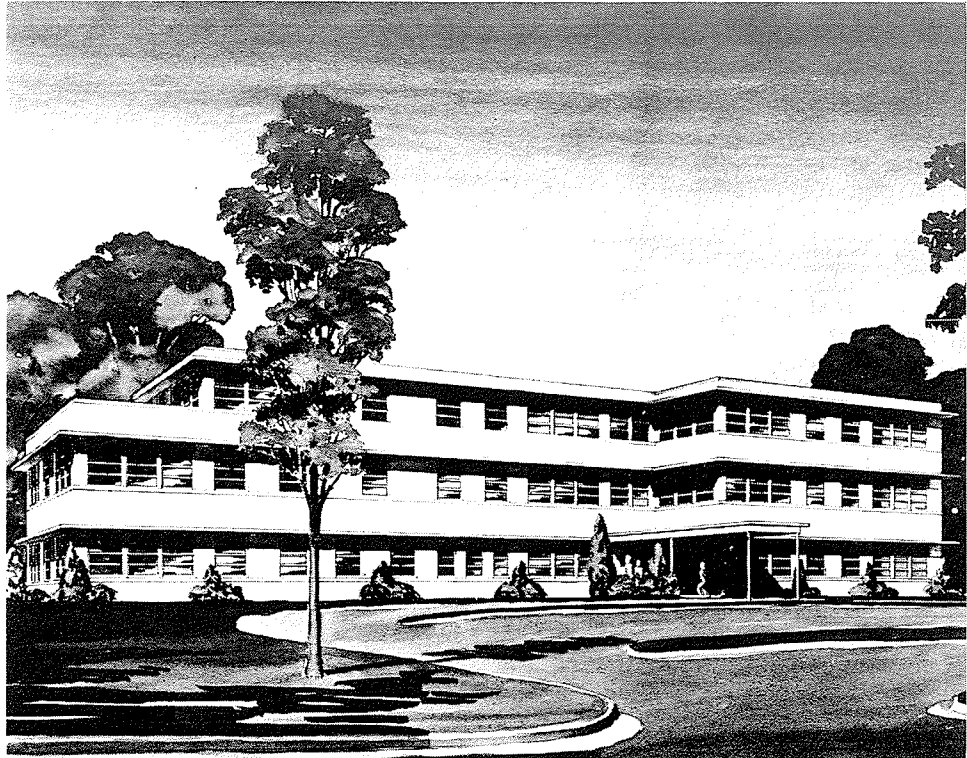


Theatre - U. S. Naval Facility in South East



Gymnasium - U. S. Naval Facility in South East





Psychiatric Hospital  
Jacksonville, Fla.



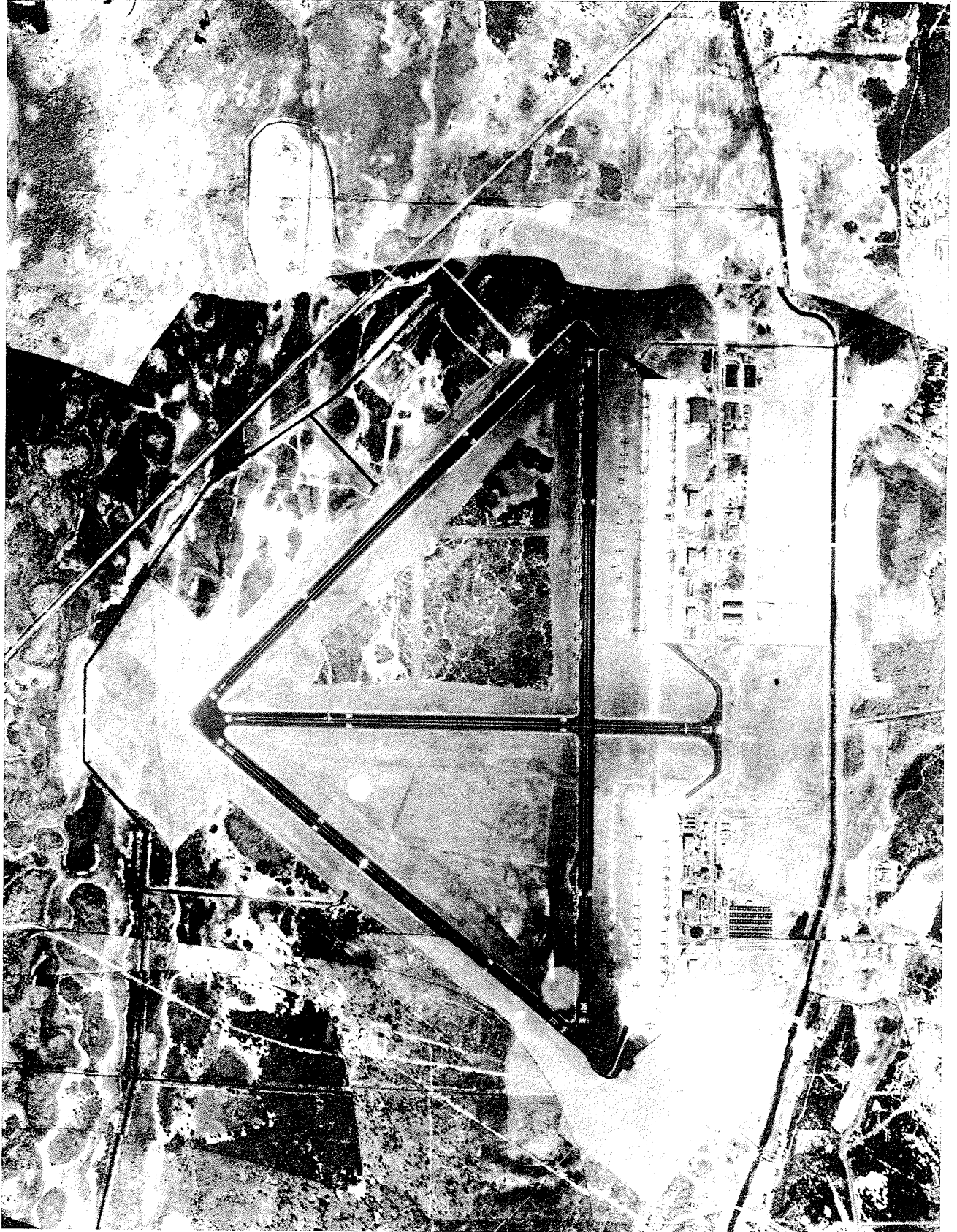
High School  
Jacksonville, Fla.





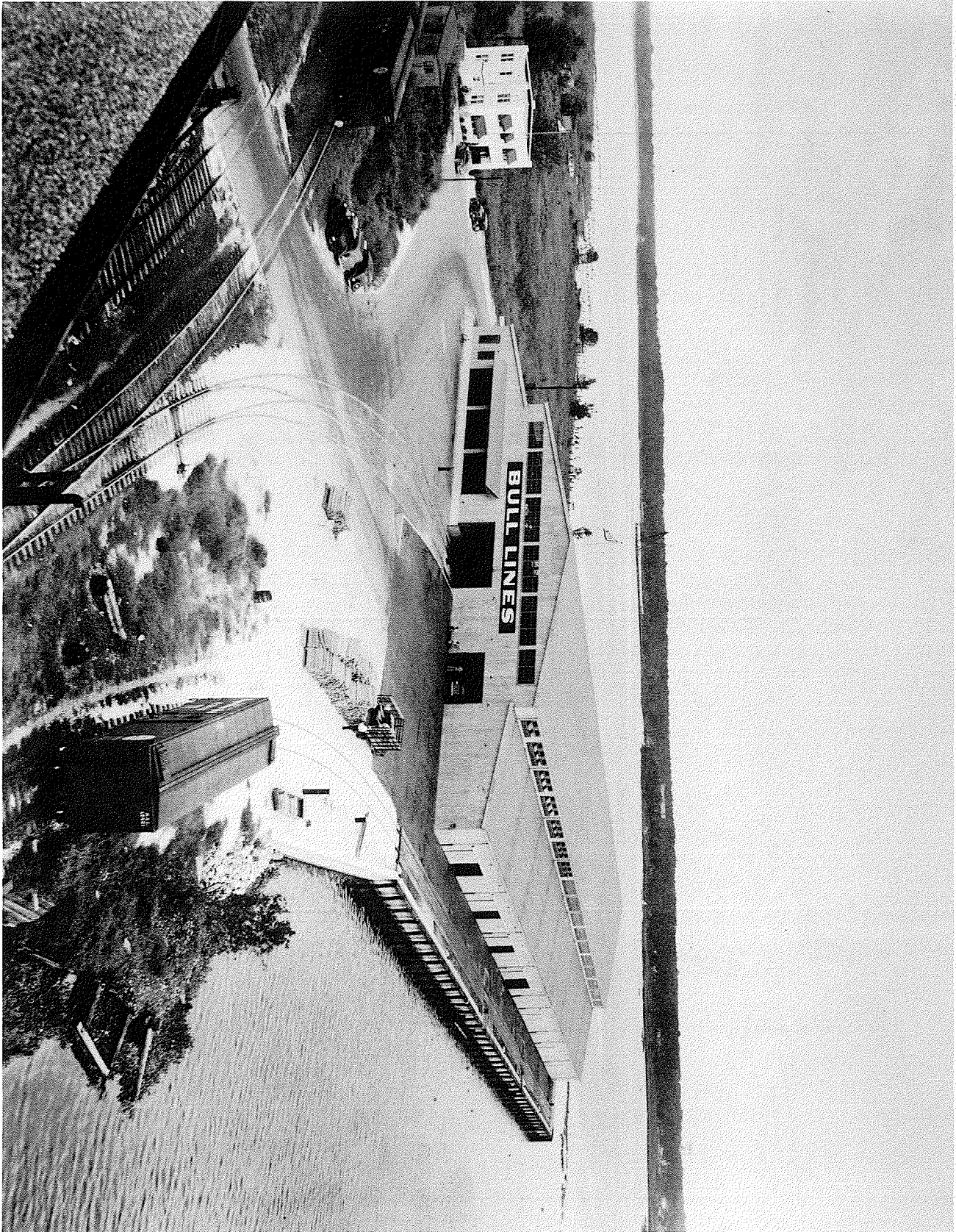
State Office Bldg.  
Tallahassee, Fla.





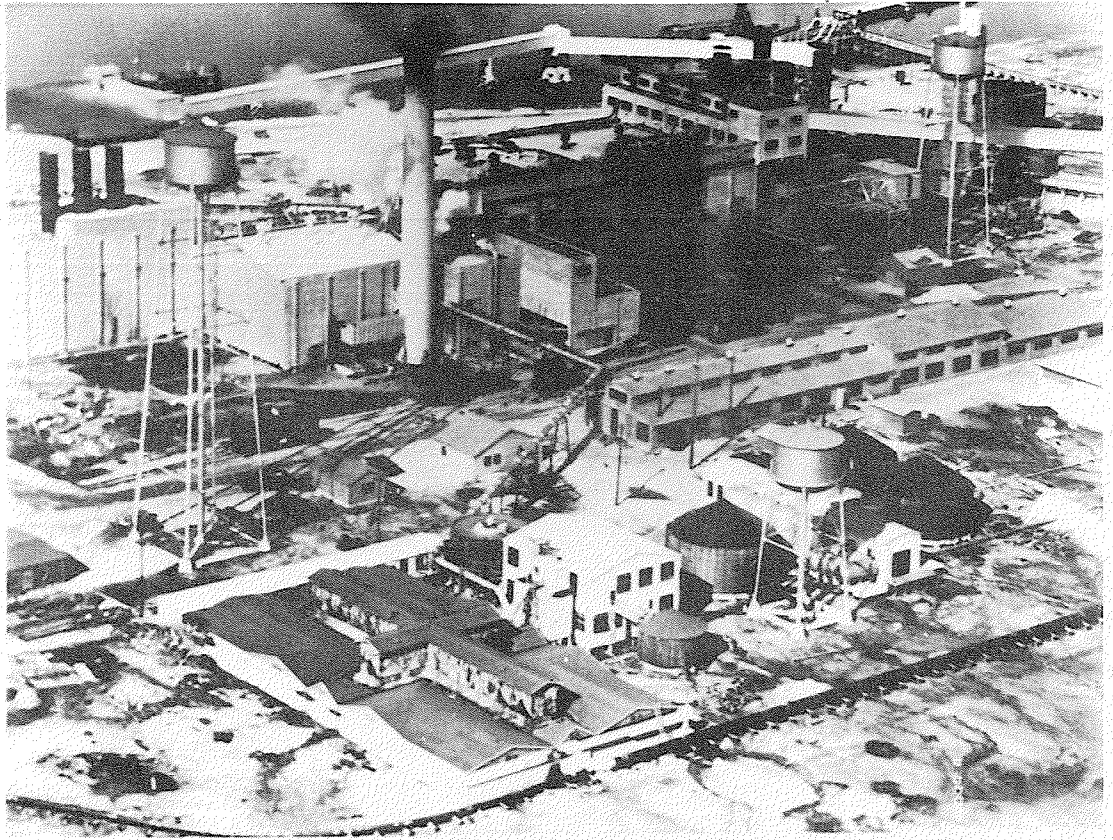
Complete Air Field &  
Training Establishment  
U.S. Army in South East





Bull Steamship Terminal  
Jacksonville, Florida





Water Treatment Plant for  
Rayonier Mill, Fernandina, Fla.



Port Everglades, Fla.