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Part of New Report of Jan., 1942, which is now void.

NEW REPORT, OCTOBER, 1946

COLUMBUS, OHIO, VOL. ONE

POPULATION—366,000, including Bexley, Upper Arlington & Grandview Heights.

Prevailing Winds—West and Southwest.

PAVING—500 miles of 1.500 miles of streets. Most of unpaved streets improved, graded or cindered.

GRADES—Level.

WATER FACILITIES

Municipal ownership. Also supplies water to 4 villages, (Bexley, Grandview Heights, Upper Arlington and Marble Cliff), and County outside of City Limits. Supply from 2 impounding reservoirs in Scioto River, combined capacity 7,044,000,000 gallons, flow regulated and pumped to filter plant by low-lift pumps through 18" main. Total capacity of filter plant 70,000,000 gallons per 24 hours. Direct, gravity and booster pressure system. High and low service.

Main or Scioto River Pumping Station, located in Volume 6, contains 7 pumps, consisting of two 30,000,000 gallon DeLaval, low-lift centrifugal steam turbines and one 30,000,000 gallon Worthington low-lift horizontal electric pump. One 30,000,000 gallon Fairbanks-Morse low-lift centrifugal electric pump. 2 Holly vertical triple expansion, condensing single acting triplex steam pumps, size 28"x34"x30"x30", capacity 20,000,000 gallons each per 24 hours. 1 Holly duplicate of above except size, which is 32"x44"x31"x30", capacity 25,000,000 gallons per 24 hours and one 30,000,000 gallon DeLaval centrifugal steam turbine.

4 booster stations as follows: Chittenden Avenue Station, located on Chittenden Ave. between Fourth Ave. and Summit St. in Volume 3, contains two 6,000,000 gallon DeLaval electric driven centrifugal pumps. Joyce Avenue Station, located at Joyce and Fifth Ave. in Volume 4, contains two 7,000,000 gallon Fairbanks-Morse electric driven centrifugal pumps. Mount Street Station, located on W. Mount St. E. of Ryan Ave. in Volume 6, contains three 20,000,000 gallon Weiman electric driven centrifugal pumps, automatically controlled from tank in West Gate Park. Starr Road Station, located on Starr Road near King Ave. in Volume 6a, contains two 250 gallon per minute and two 450 gallon per minute Weiman electric driven centrifugal pumps, automatically controlled from 3 elevated water tanks, two 1,000,000 gallons and one 2,000,000 gallons capacity. One 6,000,000 gallon iron water tank on ground with one 3,500 gallon per minute Fairbanks-Morse electric driven centrifugal booster pump, act as equalizing basin on high service areas. Heights 125' 2 tanks, located on Karl

Road, north of Oakland Park Ave. in Vol 4 and 1 in Westgate Park at Southampton Ave., contains 1,000,000 gallons each and one 2,000,000 gallon capacity tank at Joyce Ave. and Fifth Ave. High and Low Service areas can be expanded or contracted by opening and closing certain valves in the system.

600 miles of 4" to 48" mains in City. Total miles supplied by pumps, 750 miles. 4,842 single, double and triple hydrants, 125 fire cisterns in service. Average daily consumption 42,500,000 gallons. Pressure in Low Service in congested value district 58 to 64 lbs.; in High Service areas range from 35 to 90 lbs.

FIRE DEPARTMENT

Fully paid. 1 chief, 2 assistant chiefs, 5 battalion chiefs, 36 captains, 22 lieutenants, 301 men, 1 superintendent, 2 department surgeons, 1 foreman, hydrant repair, 5 linemen, 1 chief radio technician, 2 radio technicians, 3 hydrant repair men, 1 general shop foreman, 17 clerks, 1 clerk-stenographer and 1 semi-skilled laborer. Total number of men 394. 2 platoon system, 19 stations.

Three 1,250 gallon per minute pumper trucks with one 100 gallon booster tank on each. Nine 1,000 gallon per minute triple combination pumper trucks with one 100 gallon booster tank on each. Fifteen 750 gallon per minute triple combination pumper trucks with one 80 gallon booster tank on each. Three 600 gallon per minute triple combination pumper trucks with one 40 gallon booster tank on each. 2 combination hose and chemical trucks with one 40 gallon chemical tank on each in reserve. Two 85' aerial ladder trucks and one 65' aerial truck. Four 45' extension ladder service trucks. 12 chief's cars. 1 shop truck (4 ton). 1 supply truck (4 ton). 1 fuel truck with 615 gallon tank. 2 hydrant trucks, capacity 1 ton and 2 1/2 tons. 1 Ford chief's car (extra). 63,850' 2 1/2" hose, 12,600' 1 1/2" hose, 1 hose cart with turret. 1 foam trailer with generator. One 350 gallon Suburbanite truck and 1,500 lbs of powder, 4 motorcycles, one line crew car, 4 squad cars. 2,700' of ladders. 2 extra aerial tractors, 1 squad truck. Two 85' aerial ladder trucks, hydraulic and fully equipped. One 65' aerial ladder truck with 750 gallon per minute pump. 3 1,000 gallon per minute pumper truck with 8,000' 2 1/2" hose.

Gamewell fire alarm system with 493 boxes. Headquarters in brick building, at 83-87 N. Front St. Fire alarm office at City Hall, fourth floor.

FIRE-RESISTIVE ROOFING ORDINANCE.

Ordinance prohibits wooden shingle roofs, except on private dwellings and auto houses in Outer Fire Zone.

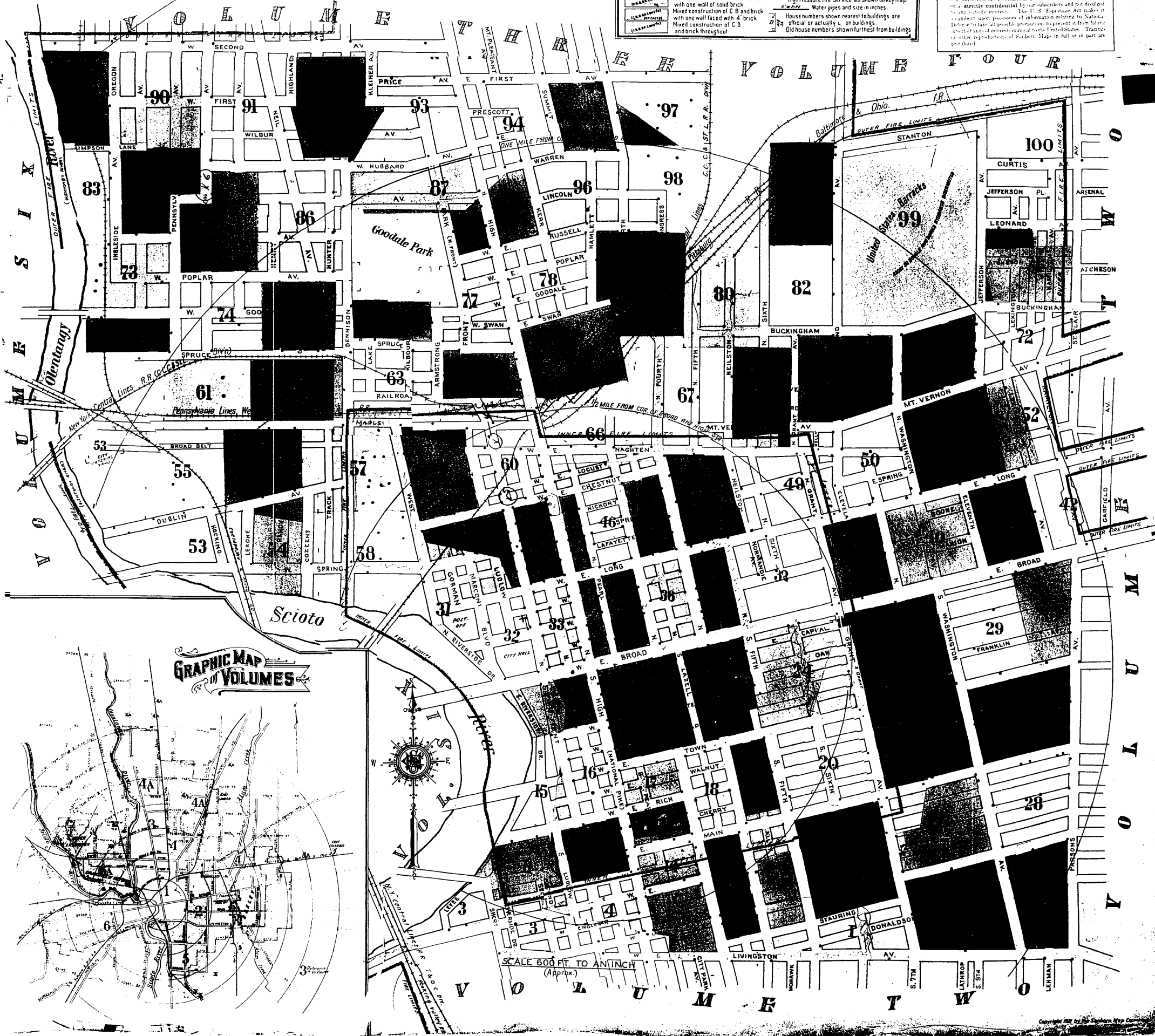
KEY

Fire proof construction	Window opening in first story
Adobe building	Window opening in second and third stories
Stone building	Window opening in second and fourth stories
Concrete, lime or cement brick	Windows with wired glass
Hollow concrete or cement block	Windows with iron or tin clad shutters
Concrete or reinforced concrete	Window openings tenth to twenty-second stories
Tile building	Open elevator
Brick building with frame cornice	Frame enclosed elevator
Frame building with frame cornice	Self closing traps
Frame building with frame cornice	Concrete block enclosed elevator with traps
Frame building with frame cornice	File enclosed elevator with self closing traps
Frame building with frame cornice	Brick enclosed elev with wired glass door
Frame building with frame cornice	Open hoist
Frame building with frame cornice	With traps
Frame building with frame cornice	Basement to first
Frame building with frame cornice	Vertical steam boiler
Frame building with frame cornice	Vertical pipe or stand pipe
Frame building with frame cornice	Gasoline tank
Frame building with frame cornice	Open under
Frame building with frame cornice	Independent electric plant
Frame building with frame cornice	Fire department connection
Frame building with frame cornice	Automatic sprinklers
Frame building with frame cornice	Automatic chemical sprinklers
Frame building with frame cornice	Black number
Frame building with frame cornice	Reference to
Frame building with frame cornice	24 page
Frame building with frame cornice	Fire engine house, as shown on key map
Frame building with frame cornice	Fire pump
Frame building with frame cornice	Under page number
Frame building with frame cornice	pages to corresponding page of previous edition
Frame building with frame cornice	Quadruple hydrant of the High Pressure Fire Service
Frame building with frame cornice	Fire alarm box of the High Pressure Fire Service
Frame building with frame cornice	Water pipes of the High Pressure Fire Service
Frame building with frame cornice	Hydrants of the High Pressure Fire Service
Frame building with frame cornice	High Pressure Fire Service as shown on key map
Frame building with frame cornice	Water pipes and size in inches
Frame building with frame cornice	House numbers shown nearest to buildings are official or actually on buildings
Frame building with frame cornice	Old house numbers shown furthest from buildings

CORRECTION RECORD

REV. NO.	DATE OF CORRECTION	ATTACHED BY	DATE ATTACHED
21	7-4	F.P.V.	7-28-46
22	7-45	E. Affward	10-10-46
23	10-16	B. Stewart	7-10-47
24	12-17	B. Stewart	5-19-48
25	1-23	Bochner	7-9-48
26	1-23	Bochner	7-12-50
27	1-27	Counts	10-2-51

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GRAPHIC MAP OF VOLUMES



SCALE 600 FT. TO AN INCH (Approx.)