

Sub-strata of storage basin.  
 Percolation from storage basin.  
 Evaporation loss from a reservoir.  
 Evaporation from water.  
     do        sand.  
     do        earth.  
 Ratios of evaporation.  
 Resultant effect of rain and evaporation.  
 Practical effect upon storage.

*Supplying capacity of Water Shed.*

Estimate of available annual flow of streams.  
 Estimate of monthly available storage required.  
 Additional storage required.  
 Utilization of flood flows.  
 Qualifications of deduced ratios.  
 Influence of storage upon continuous supply.  
 Artificial gathering areas.

*Springs and Wells.*

Subterranean waters.  
 Porosity of earths and rocks.  
 Causes of percolations.  
 Subterranean reservoirs.  
 Overflowing wells.  
 American artesian wells.  
 Supplying capacity of wells and springs.

*Impurities of Water.*

Composition of water.  
 Solutions in water.  
 Mineral impurities.  
 Organic impurities.  
 Tables of analysis of potable waters.  
 Deep well and surface impurities.  
 Vegetal organic impurities.  
 Vegetal organisms in water pipes.  
 Propagation of aquatic organisms.  
 Purifying office of aquatic life.  
 Intimate relation between grade of organisms and quality of water.  
 Agricultural; mineral; manufacturing and sewage impurities.

*Well, Spring, Lake and River Supplies.*

Locations for wells; fouling of old wells.  
 Spring waters; impregnations; mineral springs.  
 Lake waters; impounding; plant growth.  
 Preservation of purity; natural clarification.  
 River waters; pollutions; sanitary discussions.  
 Spontaneous clarification.  
     Artificial       do  
 Sugar test of the quality of water.

*Flow of Water through Sluices, Pipes and Channels.*

Weight, pressure and motion of water.  
 Atomic Theory—Molecular Theory.