

San Luis Obispo, California,

November 8, 1912.

To the Board of Trustees,

California Polytechnic School.

Gentlemen:

As a guide in completing estimates on needed improvements for the coming biennial period the following suggestions are offered:

FARM BUILDINGS \$45,000.00

We have asked for \$45,000.00. It should be remembered that \$20,000.00 for this purpose was passed by both houses of the last Legislature, but failed to become law because the bill was not signed by the Governor. At least \$45,000.00 is most urgently needed to place the Agricultural Department of the institution on a creditable basis.

The farm operations should be centered at a convenient point, - probably near the site of the present dairy barn. Possible sites should be inspected today. We have for your consideration pencil sketches showing dimensions and purposes for which buildings should be constructed. There should be -

A horse barn

A swine house

A machinery and implement shed, with provision for power. This building is to be used for farm mechanics instruction purposes, as well as for the housing of machinery and implements.

An agronomy building, with seed house and provisions for accompanying laboratory work dealing with crops and soils.

EXTENSION AND IMPROVEMENT OF WATER AND SEWER SYSTEMS \$5,000.00

Deepening and enlarging wells at
railroad bridge \$2,000.00

A concrete storage tank near site of
present redwood tanks 2,000.00

Replacing present water mains with larger pipe
and extension of sewer lines 1,000.00

Instructor R. W. Ryder has prepared data concerning plan for water storage at the canyon above the school property. This storage system is the one plan which would provide the most liberal and steady supply of water for all irrigation purposes.

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EXTENSION AND IMPROVEMENT OF HEATING SYSTEM \$ 4,000.00

Steam line from present power house to main school buildings, - permanent construction to replace the present temporary line. One-half of the work was completed by the 1911 appropriation. This part of the job left incomplete. The estimate of \$4,000.00 is minimum.

REPAIRS AND IMPROVEMENTS ON BUILDINGS, STRUCTURES AND EQUIPMENT 10,000.00

Reroofing of household arts building.

Replastering ceilings damaged account leaking roof.

Fuel oil storage. Drawing submitted. Estimated cost, \$1,500.00.

Carpenter shop addition about 25 by 40 ft. For the woodworking machinery, leaving main shop for bench work, \$1,500.00 to \$2,000.00.

Tool room in present carpenter shop and additional line, shafting, and belting.

Addition to power house mechanical and electrical laboratory if fund will permit, \$2,000.00.

Painting buildings, farm fencing, repairs in creamery building.

EQUIPMENT AND APPARATUS FOR SHOPS, POWER PLANT AND LABORATORIES 15,000.00

Undoubtedly proposed expenditure of a part of this fund will be referred by the State Board of Control to the Department of Engineering, especially the purchase and installation of a second boiler and accessories.

1 Stirling water tube boiler 100 h.p. in setting complete, with auxiliary piping.

1 Combination fuel oil pump and heater, complete with piping.

1 Hoppe feed water purifier for operation with Stirling boiler, complete with piping.

LIVE STOCK AND POULTRY \$5,000.00

FARM MACHINERY AND IMPLEMENTS 6,000.00

Respectfully submitted,

L. Roy B. Smith
Secretary.

AKBAR

Special Meeting
San Luis Obispo
Nov. 5, 1912

Meeting with
State Architect
J. W. Woodlett

AKB AB

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11/5/12
J. W. Woodlett