

PART X

BUILDINGS

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BUILDINGS REPLACED BY NEW STRUCTURES

1886 To 1960

1886-1906	Original Normal Building. Used as Training School after Old Main was completed.		\$7,238.74
1906-1928	R. H. H. Blome Training School. Additions made in 1915, 1919-20.		30,933.27
1905-1919	First Dining Hall Building		6,750.00
1906-1917	First Heating Plant		
	Original Cost	\$19,000	
	1912 Enlargement	<u>4,000</u>	
			23,000.00
1917-1936	Second Heating Plant		
	Original Cost	75,000	
	Less Salvage Value	<u>19,000</u>	
			56,000.00
1915-1928	Seven Two-room Cottages Emergency for men @ \$225.00 each.		1,575.00
1916-1954	Infirmary Original cost plus later additions.		10,441.54
1909-1956	Auditorium Original cost plus later additions and alterations.		42,618.70
1928-1956	Ira D. Payne Training School Original cost plus later alterations		98,737.99
1902-1958	Alpha Hall Original cost plus later additions and alterations.		50,001.27
1939-1954	Dairy Pumphouse		348.00
1951-1958	Training School Cafeteria		2,074.16
1946-1960	Maintenance Office Building, Paint Shop, and Warehouse (Barracks).		<u>10,690.00</u>
	Total Cost of Buildings Replaced		\$286,411.67

ORIGINAL TERRITORIAL NORMAL SCHOOL
(1885)

Architect: J. H. Creighton - Appointed - Fees	\$ 150.00
Contractor: S. E. Patten - Original Bid	6,688.74
Miscellaneous Repairs to 1895	<u>400.00</u>
Total	\$ 7,238.74

The building was located on part of the site of the present Training School. The building faced north and was a one-story brick building sixty feet by seventy feet in size and had a ten foot hallway through the center north and south. The building was surrounded by a twelve foot porch. French windows were placed at regular intervals on all sides of the building.

During the beginning years of the institution, a portion of the building was used as a residence for the caretaker and his family.

In 1899, when Old Main was about completed, this building was remodeled into a training school and was used for that purpose until a Training School was erected in 1905.

During the period 1885 to 1905, there was expended for remodeling, furnishing, and miscellaneous repairs for the Training School, the sum of \$1,062.70.

The building was sold to Henry Sandoz for \$500.00. The bricks used in the building was later used in the building now known as the Curry Apartments on East Fifth Street.

Total gross space - 4,200 square feet.

Demolished in 1906.

R. H. H. BLOME TRAINING SCHOOL

1906

1906 This building was constructed in 1906 on the site of the present Liberal Arts Building and was just west of the original Normal School Building. The amount expended on this building including the original construction and additions made in 1915 and 1919-20 was \$30,933.27

Total Gross Space - 6,000 square feet.

Demolished 1928 to make land available for the IRA D. PAYNE TRAINING SCHOOL which was destroyed by fire in 1956.

FIRST DINING HALL BUILDING

1905

1905 First Dining Hall Building was erected on the site of Annex VII.
This building was constructed of red brick at a cost of:

\$6,750.00

Total Gross Space - 2,400 square feet.

Demolished in 1919.

FIRST HEATING PLANT

1906

1906	Legislative appropriation 23rd Territorial Legislature. Small brick building on site of present Annex VII, Maintenance Shop Facilities, which previously was the cafeteria.	
	Equipped with a 100 h.p. boiler, distribution lines, conduits, and radiators; the cost was	\$19,000
1912	An additional 100 h.p. boiler, Building Addition, and extension to distribution lines.	<u>4,000</u>
	Total	\$23,000

Demolished in 1917.

SECOND HEATING PLANT

1917

1917 The Third Legislature of Arizona provided \$50,000.00 for the construction of a Central Heating Plant. However, the extra cost of tunnels, distribution lines and incidentals brought the original cost up to \$70,000.00. Subsequent additions, expansion of lines and repairs brought the cost to \$ 75,000.00

This Heating Plant was abandoned when the first portion of the present Central Heating and Refrigeration Plant was completed in 1936.

The following appraisal of the salvage value was made:
New Heating Plant \$7,425.00, Lyceum Building \$5,500.00,
Transmission lines and tunnels still usable \$6,075.00
for a total salvage value of \$19,000.00.

The cost minus the salvage value at the time of abandonment was \$ 54,000.00

See Part X, pages 7 thru 10 for development of the Heating System to the building of the first portion of the present Central Heating and Refrigeration Plant.

Demolished 1936 - Portion of building converted to present Lyceum Building.

DEVELOPMENT OF HEATING SYSTEM

1886 to 1940

-
- 1886 to 1902
First Normal
Stove - Wood
- During this period wood stoves only were used for heating purposes. The first Normal School building was completed in 1887 and was a one story structure, 70' x 50', with 12' ceilings over 5,000 cubic feet, including halls.
- 1894 to 1905
Main Building
Stove - Wood
- During this period the present Main Building was in course of construction, (1894-1897) and was ready for use, one story at a time. As class rooms were ready for use, a part of their equipment consisted of a large wood-box and a stove large enough to heat the room comfortably. All wood boxes were filled on Saturdays with wood cut during the week. The building was 134' x 80', three stories, 450,240 cubic feet, containing 12 class rooms, large study hall, a stage and auditorium, commodious halls on each floor, administrative and class room offices, etc., had it been necessary to occupy all of the building at one time, it would have been a difficult problem for the Stove System.
- 1902
Dormitories
Hot Air
Furnace-Wood
- In 1902 it was decided to introduce the Dormitory System and a small building was built for that purpose. Being the first, it was named Alpha Hall. It was about one half the capacity of Alpha Hall at the time it was razed, being only 40' x 65', two stories and a basement. The latter contained the dining hall, kitchen, and rooms for the help. The other floors contained the office, parlor, and accommodations for 24 girls. It was decided to heat this with a Hot Air furnace in the basement, using wood for fuel.

1903
East Hall
Two Hot Air
Furnaces
Wood

The Dormitory System was a success and applications from all parts of the Territory were so numerous that the Legislative Assembly of 1903 voted an appropriation for the building of another women's dormitory to cost \$28,000. This new building was named East Hall. It was about one-half the size of the present East Hall; contained dining hall, kitchen, parlors, office, infirmary, and accommodations for seventy girls. Alpha Hall was then equipped for a men's dormitory. Again the heating question was a problem, and it was finally decided to heat the building with two Hot Air furnaces, using either wood or coal for fuel. This arrangement was never satisfactory, but existed until more new buildings were required. A Training School and a Dining Hall were under discussion, and it was evident that a Central Heating Plant with a capacity for all buildings was a real necessity.

1906
First Central
Heating Plant
Steam, Wood
or Coal

The Twenty-third Territorial Legislative Assembly voted \$45,000 for a Normal Building Fund, from taxes of 1905 and 1906. This appropriation included \$17,000 for a Central Heating Plant which was completed in time to be available for the old and new buildings. It consisted of a small brick building located on the site of the present Annex VII, equipped with 100 H. P. boiler, distribution lines, conduits, and radiators bringing the cost up to \$19,000. Its work was to heat Alpha Hall, East Hall, Main Building, Dining Hall and Training School. All these buildings, except the Main Building contained only one-half their present cubical content, but they immediately utilized about two-thirds of the horse power installed, leaving but little allowance for additional building or depreciation.

1912
First Central
Heating Plant

Between 1905 and 1912, new buildings were constructed and it became necessary to enlarge the plant and install another 100 H. P. boiler, and extend the distribution lines at a cost of \$4,000. This addition made provision for the new buildings with but little margin for depreciation or further increase of building. The distribution lines were enclosed in redwood conduits about 16 inches square or cement pipe 9 inches in diameter. A small amount of brick cement lined tunnel

was constructed. This system was very unsatisfactory, particularly the wood and cement pipe conduits for the steam and return lines. It was very evident that before further expansion of the college could be considered, an entirely new Central Heating System and adequate distribution lines must be provided.

1917

Second Heating
Plant, Steam,
Oil, Gas

The Third State Legislature in making appropriations for buildings provided \$50,000 for the construction of a Central Heating Plant, but the extra cost of tunnels, boilers, distribution lines, etc., brought the original cost up to \$70,000. Subsequent additions, expansion of lines, and repairs increased the cost to about \$75,000.

This system contained two 100 H. P. boilers, a smaller steam boiler for heating water, all pumps and equipment necessary for heating the present capacity with a considerable margin, for expansion, which was increased during the next 18 years to such an extent as to nearly double the original capacity to be heated. After 1918 several of our largest buildings have been constructed, new Dining Hall, Training School, with nearly double their former capacity. Additions to Alpha Hall, North Hall, South Hall, and East Hall, increasing their capacity about 95 per cent. Matthews Hall and the new Library Building were added and by 1936 a capacity of about 3,000,000 cubic feet had to be heated.

Assuming the mechanical estimate for projects of this kind, in our climate, to be 1,500 cubic feet per horse power, it appeared that a 200 H. P. boiler would be ample. However, mechanical estimates placed the depreciation of boilers at 30 to 40% during the first 10 years, with rapidly increasing depreciation over a longer period.

The boilers by 1936 had been in use 18 years. This, in connection with the worn-out, rusty condition of all distributing lines, reduced the efficiency of the system to less than 50% of its maximum capacity. With new buildings continually in the course of construction, and the system in about the same comparative condition as the old one when it was discarded, required extensive and expensive repairs, or an entirely new system to meet the requirements, and make reasonable provisions for future developments.

1936
3d Central
Plant under
Construction
Gas

In view of the fact that the College Administration had succeeded in securing liberal P. W. A. appropriations for buildings, which, when completed had to be properly heated, thereby increasing the capacity by more than 350,000 cubic feet, it was deemed advisable to install AN ENTIRELY NEW HEATING SYSTEM, utilizing the existing tunnels and the heating equipment as far as profitable. For this purpose the P. W. A. assigned \$70,000. The New System included a new Boiler House and Shops located advantageously with reference to the buildings to be heated. In it was installed two new 150 H. P. boilers, water softeners, water heater, and pumps. The steam distribution lines and the return lines were new and properly insulated. The new buildings soon added included: West Hall, one-half of the Matthews Library building, and one-half of the Dining Hall (Annex VII). The Boiler House was so planned that its capacity could readily be increased to accommodate future demands, which were accumulating: B. B. Moeur Activity Building, Lyceum Building, Home Management and Nursery Building and Irish Dormitory.

SEVEN TWO-ROOM COTTAGES

1915

1915 Because of an emergency demand for men's housing, the Board of Education attempted an experiment and ordered constructed seven, two-room frame cottages. These buildings were constructed to accommodate four students each. There was a study room backed by a screened sleeping porch with canvas awnings. Two double deck bunks were placed in the sleeping porch. A wash basin was in one corner of the study room, two wardrobe closets, and suitable study desks and lamps. The cost of these units was \$225.00 each,

Total \$1,575.00

These were sold by public auction in 1928.

INFIRMARY

(1916)

1916	Architect: L. G. Knipe Built by Force Accounts. Supervised by the architect.	
	Pay-rolls for labor	\$ 1604.27
	Building materials, plumbing, lighting, etc.	1981.83
	Architect's plans and supervision	<u>300.00</u>
	Total	\$ 3886.15
1917	Building enlarged under the supervision of the Commission of State Institutions.	
	Accounts for labor, lumber, plumbing, etc.	\$ 5025.39
1919	From Relief Appropriations	305.00
1935	Interior changes, painting, etc.	225.00
1937 to 1939	Roofing, flooring, painting and miscellaneous	<u>1000.00</u>
	Total	\$ 10,441.54

Demolished 1954 to make site available for new Infirmary.

Gross space - 5,795 square feet.

AUDITORIUM

Two Story Brick - 72' x 100'
(1909)

1909	Architect: Thornton Fitzhugh Contractor: Clinton Campbell	
	Original Contract	\$ 24,750.00
	Architect's Fees (5%)	1,237.50
	700 Opera Chairs, Webber Company	1,475.00
	Extras and Miscellaneous	<u>1,420.74</u>
	Total	\$ 28,883.24
1915	Addition to the South side and enlarged stage	2,632.67
1919	Appropriation for remodeling entire roof. Work directed by Commissioner of State Institutions	4,802.79
1930 to 1936	Miscellaneous Additions and Repairs	<u>800.00</u>
	Total	\$ 37,118.70
1937	W. P. A. Complete interior decoration	3,000.00
1938-39	W. P. A. Re-wiring, special lights, and miscellaneous re-modeling on both floors.	<u>2,500.00</u>
		\$ 42,618.70

Total Gross space - 12,000 square feet.

Demolished 1956

IRA D. PAYNE TRAINING SCHOOL

1928

1928 Architects: Lescher & Mahoney (4 $\frac{1}{2}$ %)
 General Contractor: William H. Brown
 Plumbing Contractor: O'Neil Company
 Heating Contractor: Herrall Company
 Electric Wiring: South Side Gas and Electric Co. - Mesa

General Contract	\$ 68,565.00
Plumbing Contract	4,350.00
Heating Contract	4,469.00
Electric Wiring	1,613.65
Contractors' Extras	1,308.50
Architect's Fees	3,971.37

Total	\$ 84,277.52
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Furniture and Equipment (Local Dealers)	5,588.97
Cement Work - Fountain etc.	3,008.19
Hardware, & miscellaneous	3,213.31

1935 Repairs, painting and miscellaneous	350.00
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1939 Extensive remodeling, floor covering, etc.	2,300.00
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Total	\$ 98,737.99*
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* This amount does not include the salvage from the former Training School Building which was in service from 1905 to 1927.

Total gross space - 15,200 square feet.

Destroyed by fire during Easter vacation, 1956.

ALPHA HALL

1902

Original Construction - First Half of Present Building

1902	Architect:	D. W. Millard and Son	
	Contractor:	Clinton Campbell	
	Contract:	Including architect's fees	\$ 11,329.49
1915 to 1925 Misc. improvements and repairs.			
		Change of heating system, extra rooms in basement, wainscotting all rooms, etc.	<u>5,331.19</u>
			\$ 16,660.68

New Addition - Second Half

1927 to 1928	Architects:	Lescher and Mahoney	
	Contractor:	Albert Copeland	23,048.12
	Plumbing and Heating Contractor:	D. S. Horrall	4,424.00
	Hardware:	Stapley Company	639.05
	Wiring and Miscellaneous extras		728.59
	Architects fees and commissions		1,368.83
1935	Special Extras		135.00
1936	Painting exterior		250.00
1936-1939	New Roof		150.00
1937	Remodeling Basement		700.00
1939	Miscellaneous repairs		200.00
			<u>\$ 31,643.59</u>
		Grand Total	\$ 48,304.27
1950	Steel sash installed in sleeping porches		<u>1,700.00</u>
		Total to 1950	\$ 50,004.27

Total gross space - 13,500 square feet.

Demolished 1958 to make land available for Life Sciences Center.

DAIRY PUMPHOUSE

1939

WPA and NYA Project

\$ 348.00

Total Gross Space - 1141 square feet.

Demolished 1954

TRAINING SCHOOL CAFETERIA

1951

1951 **Converted Barracks Building.**
Work done by Maintenance Staff.

 Remodeling, painting and equipment \$2,074.16

Total gross space - 3,400 square feet

Demolished 1958

MAINTENANCE OFFICE BUILDING

1946

1946	Barracks Building - Frame Construction Including Maintenance Office and Paint Shop and Warehouse	\$ 10,440.00
5-9-60	Entire Structure Moved and Relocated 40' Section West of Engineering Center	<u>250.00</u>
	Total	\$ 10,690.00

This was at one time (1946-47) used as Associated Students Building. The United States Government declared this building surplus (Florence, Arizona Prisoner of War Camp) and gave it to Arizona State in 1946. The only cost involved was moving it to the Campus. In 1960 its appraised value was \$3.00 per square foot or \$70,440.00.

Total Gross Space - 3,480 square feet.

BUILDINGS
SHOWING DATE CONSTRUCTED AND COST TO 1960

<u>Building</u>	<u>Date Constructed</u>	<u>Expended to 1960</u>
Administration & Business Administration Building	1951	\$1,022,599.55
Arizona State University Stadium	1958	1,072,665.46
Concession Buildings	1959	26,171.96
Temporary Barracks, Southeast	1958	457.12
Temporary Barracks, Southwest	1958	557.12
Arts Building	1914	117,821.39
Agriculture Building	1950	564,265.58
Audio Visual Center	1950	77,480.65
B. B. Moeur Activity Building	1939	154,720.00
Carrie Matthews Hall	1918	61,948.00
Central Heating and Refrigeration Plant	1937	1,217,870.70
College of Education Laboratory School	1914	216,437.54
Auditorium and Cafeteria	1939	68,643.63
Music and Shop Building	1946	31,000.00
Danforth Meditation Chapel	1948	15,136.59
Education Building (under construction)	1960	1,239,491.96
Engineering Center	1955	1,078,130.82
English Building		80,903.53
Farm Classrooms, Office, and Shop	1956	135,705.03
Dairy Hay Barn	1948	6,349.85
Dairy Garage and Garage Apartment	1939	2,085.00
Dairyman's Residence	1939	4,865.00
Dairy Offices and Milking Shed	1939	7,645.00
Dairy Show Barn		1,000.00
Farm Buildings, NYA Training Center and Palm Grove Apartments	1939	57,000.00
Farm Storage Building	1939	1,042.00
Farm Tractor Shelter	1939	13,000.00
Grain Bin for Loading Trucks		2,500.00
Grain Storage		3,500.00
Horticulture Building		1,000.00
Misc. Sheds, Pens, and Barns	1939	2,500.00
Poultry House	1952	5,118.70
Poultry House	1953	4,881.30
Poultry House	1956	5,000.00
Poultryman's Residence	1959	828.25
Sheep and Cow Barn	1939	4,005.25
Forest Service Green House	1960	30,534.57
Garfield A. Goodwin Stadium, West Section	1936	103,407.34
Greenhouse - West of Agriculture Building	1955	2,004.00
Home Economics Building	1951	248,779.23
Home Management and Nursery Building	1939	34,227.58
Infirmary	1954	167,552.82
Liberal Arts Building	1959	1,004,322.12
Life Sciences Center	1959	1,128,663.29
Lyceum Building	1939	53,096.10

<u>Building</u>	<u>Date Constructed</u>	<u>Expended to 1960</u>
Main Building (Old Main)	1894	\$ 233,112.36
Maintenance Shop Building	1951	127,538.54
Matthews Library	1930	883,821.62
Memorial Union	1954	1,354,404.86
Men's Gymnasium	1927	1,047,334.96
Physical Sciences Building	1959	1,616,561.92
Swimming Pool	1957	225,977.00
Tontozona Buildings (Near Payson)	1951	15,860.68
Annex I, Drama Workshop Auditorium	1958	6,816.00
Annex II, South of Main Building	1958	330.37
Annex III, English Annex	1959	300.00
Annex IV, Corner 10th St. and Forest Ave.	1954	71,200.00
Annex V		
Annex VI, West of Engineering	1959	2,074.16
Annex VII, Maintenance Shop Facilities	1919	84,903.08
Annex VIII, Publications Office	1936	6,040.57
Annex IX	1958	13,522.15
Annex X, Agriculture Annex	1921	13,436.24
Annex XI, Testing Center	1956	9,469.45
Annex XII, East of Laboratory School Shop	1958	1,800.00
Annex XIII, Ramada Hall	1954	22,331.89
Annex XIV, Band Quonset	1951	3,500.00
Annex XV, American Men of Science Quonset	1951	64,168.13
Annex XVI, School of Nursing Offices	1959	11,293.86
Annex XVII, 914 Forest Avenue	1959	7,224.25
Maintenance Warehouse East of Audio Visual Center	1959	3,614.37
Maintenance Warehouse Northeast of Audio Visual Center	1959	3,000.00
M. O. Best Hall	1956	570,479.04
East Hall	1903	89,308.07
Haigler Hall	1940	362,511.86
Charles Trumbull Hayden Hall	1951	294,866.94
E. M. Irish Hall	1940	425,000.00
Sahuaró Hall	1956	1,431,892.98
Adelphi Housing Units	1954	400,000.00
Dixie Dees Gammage Hall	1941	122,480.45
James H. McClintock Hall, Unit A	1951	198,534.46
James H. McClintock Hall, Unit B	1956	381,284.23
North Hall	1914	57,021.02
Palo Verde	1956	1,814,926.01
South Hall	1913	66,013.65
West Hall	1935	160,401.74
George W. Wilson Hall	1956	418,585.90

<u>Building</u>	<u>Date Constructed</u>	<u>Expended to 1960</u>
Victory Village Apartments	1946	\$ 60,954.98
Sixteenth Street Housing	1955	1,605.00
Solar Energy House	1960	33,000.00
1132 Van Ness	1956	2,500.00
Home of Director, Physical Plant	1957	10,117.00
President's Residence	1907	12,527.01
General Improvements:		
Utility facilities, tunnels, sewers, distribution lines		320,038.00
Streets, curbs, and sidewalks		98,711.00
Parking lots		114,563.00
Tennis courts		<u>56,978.00</u>
Total Expended to July 1, 1960		\$23,446,850.82

BUILDINGS
SHOWING GROSS SQUARE FEET AND CUBIC FEET TO 1960

<u>Building</u>	<u>Gross Square Feet</u>	<u>Cubic Feet</u>
Administration & Business Administration Building	78,526	1,078,000
Arizona State University Stadium, 190,000		
Concession Buildings	2,379	18,312
Temporary Barracks, Southeast	3,600	28,800
Temporary Barracks, Southwest	3,600	28,800
Arts Building	39,336	509,916
Agriculture Building	39,924	485,666
Audio Visual Center	6,840	68,400
B. B. Moeur Activity Building	20,584	397,018
Carrie Matthews Hall	14,260	139,120
Central Heating and Refrigeration Plant	15,940	218,800
College of Education Laboratory School	22,000	176,000
Auditorium and Cafeteria	10,090	800,720
Music and Shop Building	3,822	30,576
Danforth Meditation Chapel	1,000	30,000
Education Building (under construction)	82,000	984,000
Engineering Center	111,240	1,112,400
English Building	11,748	260,319
Farm Classrooms, Office, and Shop	12,000	96,000
Dairy Hay Barn	8,900	178,000
Dairy Garage and Garage Apartment	1,440	12,020
Dairyman's Residence	1,200	9,600
Dairy Offices and Milkingshed	4,500	36,000
Dairy Show Barn	1,200	12,000
Farm Buildings, NYA Training Center and Palm Grove Apartments	3,500	28,000
Farm Storage Building	3,000	36,000
Farm Tractor Shelter	1,500	15,000
Grain Bin for Loading Trucks	1,000	20,000
Grain Storage	1,600	32,000
Horticulture Building	800	8,000
Misc. Sheds, Pens, and Barns	4,500	45,000
Poultry House	1,500	12,000
Poultry House	1,500	12,000
Poultry House	2,000	16,000
Poultryman's Residence	1,500	12,000
Sheep and Cow Barn	8,000	120,000
Forest Service Greenhouse	2,500	40,000
Garfield A. Goodwin Stadium, West Section	45,568	278,245
Greenhouse - West of Agriculture Building	500	8,000
Home Economics Building	16,740	147,056
Home Management and Nursery Building	5,510	45,112
Infirmary	8,604	86,040
Liberal Arts Building	79,140	791,400
Life Sciences Center	88,000	880,000
Lyceum Building	7,520	115,290

<u>Building</u>	<u>Gross Square Feet</u>	<u>Cubic Feet</u>
Main Building (Old Main)	29,184	450,240
Maintenance Shop Building	16,348	202,944
Matthews Library	71,578	764,400
Memorial Union	67,667	947,338
Men's Gymnasium	56,169	1,123,380
Physical Sciences Building	78,000	896,000
Swimming Pool	11,010	88,080
Tontozona Buildings (Near Payson)	3,000	24,000
Annex I	1,200	9,600
Annex II	2,400	19,200
Annex III	1,233	9,864
Annex IV	8,222	65,776
Annex V		
Annex VI	3,600	28,800
Annex VII	8,692	133,809
Annex VIII	1,470	11,760
Annex IX	1,245	9,960
Annex X	5,005	50,050
Annex XI	1,206	9,648
Annex XII	1,620	12,960
Annex XIII	3,600	28,800
Annex XIV	6,600	52,800
Annex XV	4,000	32,000
Annex XVI	1,500	12,000
Annex XVII	1,329	10,632
Maintenance Warehouse East of Audio Visual Center	4,000	80,000
Maintenance Warehouse Northeast of Audio Visual Center	1,000	8,000
M. O. Best Hall	35,904	287,232
East Hall	11,480	117,950
Haigler Hall	50,592	220,356
Charles Trumbull Hayden Hall	24,301	166,981
F. M. Irish Hall	28,406	209,570
Sahuaro Hall	82,000	656,000
Adelphi Housing Units	38,024	304,192
Dixie Gammage Hall	19,449	214,020
James H. McClintock Hall, Unit A	12,264	77,440
James H. McClintock Hall, Unit B	24,926	148,670
North Hall	14,594	137,960
Palo Verde Hall	119,250	954,000
South Hall	13,880	102,220
West Hall	27,918	215,386
George W. Wilson Hall	28,410	284,100

<u>Building</u>	<u>Gross Square Feet</u>	<u>Cubic Feet</u>
Victory Village Apartments	20,000	160,000
Sixteenth Street Housing	7,305	58,440
Solar Energy House	1,975	15,800
1132 Van Ness	800	6,400
Home of Director, Physical Plant	1,800	14,400
President's Residence	<u>3,000</u>	<u>30,360</u>
Totals	1,764,767	18,951,128

ADMINISTRATION, BUSINESS ADMINISTRATION, & AGRICULTUREBUILDING

1951

Architect: Varney & Associates	
Contractors: Daum-Donaldson Const. Co.	\$998,438.49
Financing: Legislative Appropriation	
1952 Additions	2,626.21
1953 Additions	737.95
1958 Shelving added to building	296.50
11-23-59 Advertising Bids, Elevator Installation	37.50
12-15-59 Architect's Fee, E. L. Varney Co.	890.04
12-28-59 Installation, Otis Elevator Co.	11,834.00
12- 8-59 Miscellaneous	25.65
12- 4-59 Sandalwood units for Room 113	216.06
1-11-60 Formica Cabinet, Room 113, College of Business	103.50
1-15-60 Installation Air Conditioning, Room 202, Adm.	3,548.00
3-31-60 Revise Business Manager's Office	256.66
5-5 -60 Remodel Cashier's Cage	103.86
6-21-60 Repair Elevator	485.13
	<hr/>
Total	\$1,022,599.55

Total Gross Space - 78,526 square feet.

ARIZONA STATE UNIVERSITY STADIUM
Between the Buttes
1958

Architect: Edward L. Varney & Associates
Contractor: F. H. Antrim Construction Co.
Financing: Legislative Appropriation \$800,000.00
Bond Issues 200,000.00
Total 1,000,000.00

Bonding Company: Maryland Casualty Co. of Baltimore

1958 Original Contract	677,000.00	
Less Change Order No. 1	42,000.00	
Less Change Order No. 2	177.00	
Add Change Order No. 3	7,762.90	
Add Change Order No. 4	34,930.00	
Add Change Order No. 5	<u>42,000.00</u>	\$719,515.90

Architectural Fees on Stadium Facilities
performed by following contractors:

F. H. Antrim

Universal Construction Company

Mardian Construction Company

Colorado Fuel & Iron Company

At 6%

55,179.35

F. H. Antrim Const. Co.

Construction of Press Box for Stadium 79,000.00

Less Change Order #1

7,450.00

71,550.00

Universal Construction Co.

Stadium Toilet Structures

63,533.00

Mardian Construction Co.

Grandstand Seating for Stadium

52,966.00

Colorado Fuel & Iron Corporation

Perimeter Fencing & Control Gates

10,381.00

Change Order #1

1,690.00

Change Order #2

104.00

12,075.00

Total Cost, less grading, parking facilities

\$974,819.25

1958 Bond Expense	2,863.87
Supplemental Construction Contract	91,279.80
Metal Banners	170.00
300' 2/O Chain & Fittings	61.18
Fountain receptor and Brackets	63.00
1959 Stadium Seat Brackets	<u>140.00</u>

Total to 1959

1,069,397.10

1959 Installation of framework & canvas backdrops

934.09

Seat Brackets

245.27

2 24' Gates - Acme Fence Company

348.00

Advertising Bids for Sprinkling System

30.00

1960 Installation 725 ft. of fence, East Butte

1,711.00

Total to 1960

1,072,665.46

Total Gross Space - 190,000 square feet. (Seating area and top concourse only.)

CONCESSION BUILDINGS

Arizona State University Stadium

1959

1959	Tempe Daily News Advertising Bid	\$ 31.50
	R. R. Adams - Contract Construction	23,772.00
	Change Order	888.81
	Architectural Services	<u>1,479.65</u>
	Total	\$26,171.96

Total Gross Space - 2,379 square feet.

TEMPORARY BARRACKS

East Side of Tunnel, South End
Arizona State University Stadium
1958

50 ft. section of Ramada Hall (Demolished)
Contractor: Arizona House Moving Company

1958	$\frac{1}{4}$ cost of moving, P. O. 0923	\$450.00
	$\frac{1}{8}$ cost City of Tempe Permit	<u>7.12</u>
	Total	\$457.12

Total Gross Space - 3,600 square feet.

TEMPORARY BARRACKS

West Side of Tunnel, South End
Arizona State University Stadium
1958

50 ft. section of Ramada Hall (Demolished)
Contractor: Arizona House Moving Company

1958	$\frac{1}{2}$ cost of moving, P. O. 0923	\$450.00
	$\frac{1}{2}$ cost of City of Tempe Permit	7.12
	50-gallon Hot Water Heater	<u>100.00</u>
	Total	\$557.12

Total Gross Space - 3,600 square feet.

ARTS BUILDING
Two Stories and Basement
1914

1914	Architect: L. G. Knipe (2%)	
	Contractor: General	
	Arizona Engineering and Cons't. Co. Bid	\$ 65,927.00
	Architect's fees	1,620.34
	Contractor: Plumbing	
	Valley Hardware and Plumbing Company Bid	4,100.00
	Contractor: Heating and Ventilation	
	Machinery and Electrical Co. Bid	3,456.00
	Contractor: Tools and Machinery	
	Talbott and Hubbard Co. Bid	7,534.00
	Total	<u>\$ 82,637.34</u>
1919	Cornice and general repairs (Relief Fund)	1,111.73
1933	Equipment and remodeling of basement	650.00
1935	Painting, roofing and general repairs	976.00
1936 to 1939	Entire interior remodeled and re-furnished - painting, lighting, etc. (WPA)	<u>18,000.00</u>
	<u>Total to 1940</u>	<u>\$103,375.07</u>
1950	Music Studios	
	Constructed by Maintenance Staff	9,900.00
		<u>\$113,275.07</u>
1952	Additions	49.62
1956	Architects Fee - Horibeck & Hickman	<u>4,496.70</u>
	Total	<u>\$117,821.39</u>
<u>Total gross space - 39,336 square feet.</u>		

AGRICULTURE BUILDING

Originally was

SCIENCE BUILDING

1950

Building

Architect: Lescher & Mahoney
Contractor: Wm. Peper Const. Co. \$524,999.72
Financing: Legislative Appropriation

Refrigeration

Architect: Lescher & Mahoney
Contractor: Frank Harmonson Co. 39,093.86

1959: Sheet metal duct work, Room 222 564,093.58
172.00

Total \$564,265.58

Total Gross Space - 39,924 square feet.

AUDIO VISUAL CENTER

Formerly Our Lady of Mount Carmel Parochial School

1950

Architect: Loyd L. Pike
 Contractor: Glen Chipperfield
 Financing: Legislative Appropriation

1958	Total Purchase Price	\$ 91,390.75
	Less Appraised Value, land & improvements	<u>14,000.00</u>
	Total Purchase Price	77,390.75

The purchase price was based on an appraisal by Kelly & Kelly Realtors. The \$91,390.75 price included land, improvements, and buildings. The land is included in land acquisitions.

1959	Sheet Metal Duct Work for Refrigeration	<u>89.90</u>
	Total	\$ 77,480.65

Total Gross Space - 6,840 square feet.

THE B.B. MOEUR ACTIVITY BUILDING
(1939)

1937-1939 Architects: Lescher & Mahoney
 Superintendent of W.P.A. James Rohan
 Several Sub-Superintendents for Special work

Expenditures of W.P.A. Funds	\$ 107,059.00
College and State Funds	<u>47,661.00</u>
Total	\$ 154,720.00

This building is a unique production of the Federal Industry during the depression years. The W. P. A. was entirely in charge of the work of construction and in addition manufactured the major portion of the material used in the construction. Large adobe sundried bricks were used in all the exterior walls and partitions.

The building was dedicated September 29, 1939, and named the B. B. Moeur Activity Building, in recognition of Dr. Moeur for his co-operation while Governor of Arizona and during his ten years of service as Secretary of the College Board of Education.

Total gross space - 20,584 square feet.

CARRIE MATTHEWS HALL

1918

1918	Architect: L. G. Knipe Under supervision of The Commissioner of State Institutions	
	Direct Appropriation	\$ 50,000.00
	Architect's Fees (\$300 per month for seven months)	2,100.00
	Furniture and Equipment	3,011.30
1919	Special Relief Appropriation to complete	<u>4,663.75</u>
	Total	\$ 59,775.05
1922	The building was assigned to women, and the men were transferred to Alpha Hall	
1923	Miscellaneous remodeling	250.00
1934	Painting and repairs	500.00
1935-36	Plumbing, electricity, etc.	773.00
1936-40	Remodeling interior of the office, parlor, new roof, etc. (W. P. A.)	650.00
	Total	<u>\$ 61,948.05</u>

This building was built for young men and was named "Matthews Hall" at the men's first house meeting. The name was continued even after it was changed to a woman's dormitory, until 1929, when the Library was built and named the Matthews Library in honor of Dr. Matthews who was completing his thirtieth year as President. The name "Matthews" was then changed to "Carrie Matthews Hall" for Mrs. Matthews. This building has been used as an Office Building for the College of Liberal Arts during the past two years - 1958-59 and 1959-60.

Total gross space - 14,260 square feet

CENTRAL HEATING AND REFRIGERATION PLANT

1937-38

P. W. A. Project

Contractors: Howe Brothers
 Engineers: Headman and Ferguson

1937	Contractor's Bid	\$ 69,880.00
	Engineer's Fee (5%)	3,494.00
	Miscellaneous Expenses	200.00
		<hr/>
	Cost exclusive of salvage	73,474.00
	Equipment salvaged from Old Plant	7,426.00
		<hr/>
	Total	81,000.00

Federal Funds 65%
 College Bonds 35%

1951 Addition

Architect: Varney and Associates	117,438.70
Contractor: R. W. Lynch & Johnson Bros.	<hr/>
	\$198,438.70

7- 5-56	Lowry & Sorenson, Engineering on Constr. & Installation, Steam Generating Boiler	1,980.00
7- 1-57	Thompson Plumbing Co., Installation Boiler	48,528.00
6-23-59	Advertising for Bids, Tempe Daily News	36.00
7-28-59	Lowry & Sorenson - Engineering Services, Central Heating and Refrigeration	55,485.00
7-30-59	Gilbert & Dolan Enterprises - Construction Central Heating and Refrigeration	913,163.00
7- 7-59	Harold Painter, Removing foundation and fill to clear site x.	240.00
		<hr/>
	Total to 1959	\$1,217,870.70

Total Gross Space - 15,940 square feet.

COLLEGE OF EDUCATION LABORATORY SCHOOL

Formerly Tempe Grammar School

Main Building

10th Street

This building was purchased from School District #30, Tempe, Arizona, along with other buildings and land, plus other considerations. The exchange of 15 acres of farm land on South Mill Avenue was made part of the transaction. Mr. Eugene H. Brock, former Director of the Physical Plant, together with other associates, made an appraisal of the buildings and land, and the following are the results of their appraisal.

Appraised Price	\$96,600.00
1959 Remodeling	82,424.00
Architects: Horlbeck & Hickman	4,528.26
Contractor: Clifford Seibert Const. Co.	
Advertising for Bids	31.50
Sun Control Co. - Installation Blinds & Shades	1,763.00
7 Sinks and Cabinets	1,453.40
Horlbeck & Hickman, Architect's Fees	1,660.38
Burr & Sons - Alterations & Additions	27,673.00
Smith Pipe & Steel - Chain Link Fence	<u>304.00</u>
Total	\$216,437.54

Total Gross Space - 22,000 square feet.

COLLEGE OF EDUCATION LABORATORY SCHOOL

Auditorium and Cafeteria

Purchased from Tempe Elementary Schools

1958 Appraised Value	\$68,500.00
Installation of Hot Water Heater	<u>143.63</u>
Total	\$68,643.63

Total Gross Space - 10,090 square feet.

COLLEGE OF EDUCATION LABORATORY SCHOOL

Music and Shop Building

Purchased from Tempe Elementary Schools

1958 Appraised Value

\$31,000.00

Total Gross Space - 3,822 square feet.

DANFORTH MEDITATION CHAPEL

1948

1948	No General Contractor Built by Contributed Funds	\$15,136.59
	Of this amount \$5,000.00 was a gift from William Danforth. The remainder was contributed by students, faculty and friends of the College.	

Total gross space - 1,000 square feet.

EDUCATION BUILDING

1960

1960 Architect: Edward L. Varney Associates
Contractor: T. G. K. Construction

Original Contract	\$1,182,740.00
Architect's Fees	<u>56,751.96</u>
Total	\$1,239,491.96

Total Gross Space - 82,000 square feet.

ENGINEERING CENTER

1955

Architect: Ralph Haver
 Contractor: William Peper Construction Co.
 Financing: Legislative Appropriation

1955	Advertising for Bids	\$ 31.50
	Architects Fees: Ralph Haver	52,500.00
	Engineering Services	300.00
1956	Construction Contract	380,707.00
1957	Engineering Services Computing Facilities	7,010.64
	Architectural Services	3,705.02
	Additional Construction Contract	61,717.00
	Construction Supplement	40,682.55
	Architects Fees	2,440.95
1958	Unistrut Partitions - Nuclear Lab	3,270.71
1959	Acoustical Tile Room 123	229.00
	Bids for Electrical Work	36.00
	Western Specialty Co. - Installation Folding Wall	737.58
1960	Removing Concrete & Pouring Concrete Floor In Hydraulics Laboratory	1,558.19
	Advertising Bids	33.00
	20 Tops & Drawer Units	628.03
	Installation of Hydraulic Appurtenances	11,447.88
	Engineering Service Electrical Work	610.89
	Newberry Electric Co. Electrical Work	9,885.00
	Science Research Electrical Work	284.38
	Light Units - Metallurgy Laboratory	102.26
	TV Studio Remodeling	77.53
	Installation TV Console	137.71
	Total	<u>\$1,078,130.82</u>

Total Gross Space - 111,240 square feet.

ENGLISH BUILDING
 (Old Science Building)
 Two Stories, 70' x 92'

1909	Architect: D. W. Millard Contractor: Harvey D. Patton	
	Original Contract	\$ 26,638.00
	Built in features (additional)	2,511.00
	Architect's fees and miscellaneous	1,447.04
	Total	30,596.04
1920 to 1930	Repairs and improvements	3,500.00
1935	Copper roofing and remodeling	1,183.00
	Total	55,279.04
1936	Plumbing and wiring interior	500.00
1937-39	W. P. A. Painting, interior remodeling and miscel.	400.00
	<u>Total to 1940</u>	\$ 36,179.04

1950 Remodeling (Old Science to New English Building)

	Architect: Mel Ensign	
	Contractors: Homes and Sons Const. Co.	44,724.49
	Total	\$ 80,903.53

Total gross space - 11,748 square feet.

FARM CLASSROOMS, OFFICE AND SHOP

1956

Architect: Martin Ray Young, Jr.	
Contractor: C. O. Johnson & Son	\$131,298.55
Financing: Legislative Appropriation	
1956 Installation Overhead Doors and Welding Outlets	2,204.53
Cabinet Work	1,888.68
Installation, 5 gas heaters	269.40
Engineering and Staking	<u>43.87</u>
Total	\$135,705.03

Total Gross Space - 12,000 square feet.

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DAIRY HAY BARN

1948

Contractor: Bernard Williams

\$ 6,349.85

Total Gross Space - 8,960 square feet.

DAIRY GARAGE AND GARAGE APARTMENT

1939

WPA and NYA Project \$ 2,085.00

Walls built of adobe blocks left from B. B. Moeur Building.

Total Gross Space - 1,440 square feet.

DAIRYMAN'S RESIDENCE

1939

WPA and NYA Project

\$ 4,865.00

Total Gross Space - 1,200 square feet.

DAIRY OFFICES AND MILKING SHED

1939

WPA and NYA Projects

\$ 7,645.00

Total Gross Space - 4,500 square feet.

DAIRY SHOW BARN

Approximate Cost

\$ 1,000.00

Total Gross Space - 1,200 square feet.

FARM BUILDINGS AND N.Y.A. TRAINING CENTER
PALM GROVE APARTMENTS
 (1939-1940)

W.P.A. and N.Y.A. Projects

1939-40	Plans and Specifications:	Ed. Bertelson	
	WPA Superintendent:	James H. Rohan	
1940	Original cost		\$34,000.00
	A.S.T.C. Material, Old Buildings		20,000.00
1941	Miscellaneous improvements		<u>3,000.00</u>
		Total	\$57,000.00

These buildings are constructed on the 35 acres of land purchased from Crook and Harelson in 1936 for \$5,000, and are located a mile south of Tempe on both sides of Mill Avenue.

This cost includes the expense of moving the old buildings from campus, the building of the farm house, barns, etc. It also includes the cost of cattle and the construction of living rooms and dormitories for the accomodation of 55 young men of the National Youth Administration. The dormitory section is now known as Palm Grove Apartments. (1951)

Total gross space - 3,500 square feet.

FARM STORAGE BUILDING

1939

WPA and NYA Project

\$ 1,042.00

Total Gross Space - 3,000 square feet.

FARM TRACTOR SHELTER

1939

NYA Project

\$ 13,000.00

Total Gross Space - 1,500 square feet.

GRAIN BIN FOR LOADING TRUCKS AT FARM

Approximate Cost

\$ 2,500.00

Total Gross Space - 1,600 square feet.

GRAIN STORAGE AT FARM

Approximate Cost

\$ 3,500.00

Total Gross Space - 1,600 square feet.

HORTICULTURE

Approximate Cost

\$ 1,000.00

Total Gross Space - 800 square feet.

MISCELLANEOUS SHEDS, PENS, AND BARN
AT REAR OF DAIRY BARN

Constructed at various times since 1939.

Approximate Cost

\$ 2,500.00

Total Gross Space - Approximately 4,500 square feet.

POULTRY HOUSES

1952

1952 Poultry Houses	\$ 5,118.70
1953 Addition	4,881.30
1956 Addition	<u>5,000.00</u>
Total	\$15,000.00

Total Gross Space - 5,000 square feet.

POULTRYMAN'S RESIDENCE

1959

36' x 36' Frame house moved from 914 Van Ness
to farm location.

C & C Housemoving Company

\$ 828.25

Total Gross Space - 1,500 square feet.

SHEEP AND COW BARN

1939

WPA and NYA Projects	\$ 3,475.00
1956 Miscellaneous repairs	486.37
Engineering and staking	<u>43.88</u>
Total	\$ 4,005.25

Total Gross Space - 8,000 square feet.

FOREST SERVICE GREEN HOUSE

West and South of Agriculture Building

1960

Approximate cost furnished by Dr. Reynolds of U. S. Forest Service*	\$ 30,000.00
1960 Installation of refrigeration	<u>534.57</u>
Total	\$ 30,534.57

* Title to this building is retained by U. S. Forest Service under
agreement that it be placed on campus by Board of Regents.

Total Gross Space - 2,500 square feet.

GARFIELD A. GOODWIN

STADIUM

WEST SECTION

1936

P.W.A. Project

Engineer: L. M. Fitzhugh

Contractor: Del E. Webb Construction Company

Contractor's Bid	\$	76,589.09
Engineer's fees 5%		3,829.45
Leveling and Lighting Athletic Field		3,050.40
Remodeling interior roofing; installing machinery		<u>9,000.00</u>
Total	\$	92,468.94

Seating Capacity - 4,000

Federal Funds (33 1/3%) College Bonds (66 2/3%)

1952 Additions	460.44
Light and sun control	9,934.34
1958 Installation of bookcase partitions	543.62
Total	<u>\$103,407.34</u>

Total gross space - 45,568 square feet.

GREENHOUSE

West End of Agriculture Building

1955

1955	Aluminez Incorporated:	
	15 x 20 and 10 x 20	\$ 1,604.00
	Concrete block and labor by maintenance	<u>400.00</u>
	Total	\$ 2,004.00

Total Gross Space - 500 square feet.

HOME ECONOMICS BUILDING

1951

Architect: Lescher & Mahoney

Contractors: Farmer & Godfrey Const. Co.

\$ 248,779.23

Legislative appropriation

Total gross space - 16,740 square feet.

HOME MANAGEMENT AND NURSERY BUILDING

1939-40

W. P. A. Project

Architects: Lescher & Mahoney

Superintendents: James Rohan and Kemper Goodwin

1939-40	Cost of the Building	\$ 24,727.58
1940	Furniture and Equipment	7,500.00
1940	Miscellaneous Expenses	2,000.00
	Total	<u>\$ 34,227.58</u>

Federal Funds 65%, College Bonds 37%

Total gross space - 5,510 square feet.

INFIRMARY

1954

1954 Architect: Kemper Goodwin
Contractor: William Peper, Construction Co.
Financing: Legislative Appropriation

Original Cost	\$167,021.50
Termite Proofing	522.00
Blue Prints	<u>9.32</u>
Total	\$167,552.82

Total Gross Space - 8,604 square feet.

LIBERAL ARTS BUILDING

1959

1959 Architect: Ralph Haver & Associates
Contractor: Gilbert & Dolan
Financing: Legislative Appropriation

Original Contract	\$941,589.00
Architect's Fees	57,600.00
Soil Testing	492.50
Advertising Bids	36.00
Changes 1 to 12 Inclusive	4,348.00
Architects Fees	<u>256.62</u>
Total	\$1,004,522.12

Total Gross Space - 79,140 square feet.

LIFE SCIENCES BUILDING

1959

Architect: Kemper Goodwin
 Contractor: T. G. K. Construction Co.
 Financing: Legislative Appropriation
 With \$250,000.00 Grant from Federal Funds

1959	Original Contract Amount		\$969,020.00
	Additions to 1-2-59	9,851.24	
	Deductions to 1-2-59	<u>6,082.20</u>	
	Contract to 1-2-59		972,789.04
	Architects Fees		59,433.96
	Relocation of Water Meter		97.95
	Advertising for Bids		11.25
	Architects Fees on Equipment		2,000.00
	110 feet 2" Gas Line		132.00
1959	Cover & Paint Cabinets & Microscope Cases		6,657.00
	Windows in Foyer		237.19
1959	Built In Oak Cabinets		2,472.00
	Installation of Heat Units		1,242.94
	Dog Kennel		1,201.02
	Agua Display Panels		829.15
1959	Fixed Laboratory Equipment		<u>81,559.79</u>
	Total		<u>\$1,128,663.29</u>

Total Gross Space - 88,000 square feet.

LYCEUM BUILDING

1939-40

W. P. A. Project

Architects: Alexander and Burton
W. P. A. Superintendent - James A. Rohan

W. P. A. Labor and Material	\$ 23,000.00
A. S. T. C.	15,000.00
Salvage - Old Heating Plant	5,500.00
Furniture and Fixtures	<u>4,500.00</u>
	\$ 48,000.00
1953 Remodeling Basement	<u>5,096.10</u>
Total to 1953	\$ 53,096.10

Total Gross Space - 7,520 square feet.

MAIN BUILDING (OLD MAIN)

1894 - 1898

Architects: Fred Heinlein (2/3) Plans and specifications and
W. A. McGinnis (1/3) supervision \$ 1,800.00

Contractors: H. W. Mattison, Lawrence Napier, Clinton Campbell,
and Miscellaneous Special Contracts

1894	Basement and first floor walls (Mattison)	6,889.00
1895	Continued specialized construction (Napier)	21,800.00
1896-7	For completion (Campbell and specials)	11,308.64
	Miscellaneous, advertising bids, etc.	250.00
June 15, 1897	Original furniture for Main Building Blinn and C. F. Webber	2,023.70
		<u>\$ 44,071.34</u>

Additional Construction (1898-1910)

	Cement floor in four basement rooms; third floor changed to classrooms; painting roof and exterior	4,275.00
	Total	<u>\$ 48,346.34</u>

1912 to 1936

	Electric wiring of entire building; Steam heating pipes and radiators	4,000.00
1932	Remodeling and equipping toilet rooms, constructing and equipping new offices	1,000.00

1936 to 1940 W. P. A.

	Changing amusement room to class rooms	600.00
	Constructing new offices	550.00
	Miscellaneous repairs	350.00
	Total Cost to 1940	<u>\$ 54,846.34</u>

1950

	Cooling System	
	Architect: Mel Ensign	
	Contractor: Homes & Son Constr. Co.	\$ 10,224.76
	Total Cost to 1940	<u>\$ 65,071.10</u>

1953

	Remodeling:	
	Architect: Kemper Goodwin	
	Contractor: Homes & Son Construction Co.	168,041.26
	Total Cost to 1953	<u>\$233,112.36</u>

Total gross space - 29,184 square feet

MAINTENANCE SHOP BUILDING

1951

DIRECTOR PHYSICAL PLANT, PURCHASING AGENT, CENTRAL STORES, GARAGE,
MIMEOGRAPHING AND TELEPHONE EXCHANGE

1951	Architect: Kemper Goodwin	
	Contractors: McGinty Construction Company	\$102,024.94
	Financing: Legislative Appropriation	
1952	Addition - Purchasing and Gen. Supt. office	6,045.29
1957	Architect: Kemper Goodwin	
	Contractor: Halladay Construction Company	
	Addition: Campus Shop	12,935.00
1960	L & S Air Conditioning	2,952.91
1960	Remodeling for Physical Plant Director's office	<u>3,580.40</u>
	Total	\$127,538.54

Total Gross Space - 16,348 square feet.

MATTHEWS LIBRARY

1930

1930: Architects: Lescher & Mahoney	
Contractor: (General) Rex B. Mesny	
Contractor: (Plumbing and Heating) W. F. O'Neil	
Contractor's bid plus \$4,500 for enlargements	\$ 70,084.00
Plumbing Bid plus \$412 for enlargements	9,653.00
New State Elec. Co. Electricity & fixtures	3,408.50
Contract changes allowed	2,801.70
	<hr/>
	\$ 85,137.20
Miscellaneous furniture and special equipment for library and offices.	11,254.43
Office machines	1,777.35
Basement Rooms (Leonard Carr)	3,200.00
Architect's fees allowed	4,313.32
	<hr/>
Total First Portion	\$ 105,682.30
1935 Matthews Library Addition - P. W. A. Project	
Architects: Lescher and Mahoney	
Contractor: Del E. Webb Construction Co.	
Contractor's bid reduced to	\$ 115,531.49
Architects' fees 5%	5,776.57
Miscellaneous Expenses	84.75
	<hr/>
	\$ 121,592.81
1936-37 Special wiring, cooling, basement cons't.	1,000.00
1939 Library Stacks	5,000.00
	<hr/>
Total Second Portion	\$ 136,392.81
Federal Funds 35%	
College Bonds 65%	
1951 Matthews Library Remodeling and Enlargement	
Architect: Kemper Goodwin	
Contractor: J. R. Porter Const. Co.	\$ 528,962.07
Electric Panel	959.12
	<hr/>
Total	\$ 771,996.30
1955 Stack room addition - J. R. Porter Const. Co.	113,222.00
1955 Architectural services - Kemper Goodwin	6,793.32
	<hr/>
Total	\$ 883,821.62

MEMORIAL UNION

College Avenue & Orange Street

1954

1954	Architect: Kemper Goodwin	
	Contractor: T. G. K. Construction Co.	
	Bonding Company: Refsnes, Ely Beck & Co.	
	Attorneys: Chapman & Butler - Chicago, Illinois	
	Legislative Appropriation	\$ 500,000.00
	Bond Issue	400,000.00
	Contributions	350,000.00
	Total	<u>\$1,250,000.00</u>
1954	Architectural Fees	71,941.62
	Notice of Sale M. U. Bonds	11.00
1955	Fiscal Agency Fee	3,000.00
	Legal Services on Bonds	900.31
	Advertising for Equipment	14.25
	Contract T.G.K. Construction Co.	1,199,805.10
	Services Trustee for Bonds	102.08
	Total	<u>\$1,275,774.36</u>
1956	Valley Bank Trustee Fees	125.00
1958	Grammer Construction Co.	20,304.00
1959	Advertising Bids Bowling Alleys	36.00
	Architect Bowling Alleys - Kemper Goodwin	3,840.00
	Daum-Donaldson Construction Co.	
	Installation Bowling Alleys	13,912.00
	Brunswick Balke Collander Co.	
	Installation Bowling Alleys	33,599.92
	Freight Bowling Alley Equipment	1,858.80
1960	Scoring Table-Chairs	83.20
	Exhaust Fan	342.90
	Title Policy Bond Issue	47.50
	Painting Saga Food Service Area	3,680.00
	Bowling Alley Office	526.87
	Installation of Window Screens	174.31
	Total	<u>\$1,354,404.86</u>

Total Gross Space - 67,667 square feet.

MEN'S GYMNASIUM

(1927)

South Half

1927	Architects: Lescher and Mahoney General Contractor: William Pepper	
	General Contractor's Bid	\$ 15,505.07
	Plumbing Contract, D. S. Horrall	1,435.00
	Architect's Fees	848.80
	Hardware, lockers, and labor	1,131.72
		<u>18,920.59</u>
1928	Locker Room, baths, and dressing room	<u>2,686.76</u>
		21,607.35

North Half

1929	General Contractor's Bid with fees Electric Wiring, furnishings, miscellaneous	19,484.20 <u>1,261.39</u>
		20,745.59
1935	Roofing, Special Relief Funds Miscellaneous improvements	1,131.00 650.00
1936 to 1939	Addition to South side, W. P. A.	<u>2,700.00</u>
		46,833.94
1953	MEN'S P. E. AND ARMOHY Architect: Kemper Goodwin Contractor: McGinty Construction Co. Financing: Legislative Appropriation	990,000.00
1959	Advertising bid for air conditioning Air Conditioning Registers and diffuser Electrical Cable	33.00 2,863.40 67.00 3,120.62
1959	Relocate Evaporative Cooler Controls Electric Hoists for Basketball Backstops	1,899.00 <u>2,518.00</u>
	Total	\$1,047,334.96

Total Gross Space - 56,169 square feet.

PHYSICAL SCIENCES BUILDING

1959

Architect: Kemper Goodwin
 Contractor: Bert Owens & Redden Construction Co.
 Financing: Legislative Appropriation

1957	Original Contract Amount	\$1,036,291.00
	Architects Fee	65,660.34
	Total	<u>\$1,101,951.34</u>
1958	Advertising for Bids	11.25
	Architects Fees	2,000.00
	110 feet 2" Gas Line	132.00
	Transite Cabinets	1,679.25
	Architects Services Equipment	19,500.00
	Bert Owen & Redden Const. Charge	2,404.52
	Vinyl Tile DuBois Tile Co.	418.18
	Laboratory Cabinet	233.68
1959	Advertising Bids for Addition	36.00
	Bert Owens & Redden Const. Co. Contract	338,631.00
	Cabinets & Shelving	4,230.34
	Fume Hood Unit	1,306.67
	Tables & Wall Assemblies	5,428.00
	Desks Permanently Installed	422.81
	Fixed Laboratory Equipment	136,858.47
	64 Cabinets With Drawers	1,318.40
	Total	<u>\$1,616,561.91</u>

Total Gross Space = 78,000 square feet.

SWIMMING POOL

1957

Architect: Kemper Goodwin
Contractor: Redden Construction Co.
Financing: Legislative Appropriation

1956 Contract	\$211,945.00
Architects Fees	13,080.00
Underwater Light Fixtures	952.00
Total	<u>\$225,977.00</u>

Total Gross Space - 11,010 square feet.

TONTOZONA BUILDINGS

Under the Tonto Rim - N. E. of Coles' Ranch

1951

1951-52	Warehouse, Kitchen, & Dining Hall		
	Material	\$2,150.00	
	Labor Donation	1,850.00	\$ 4,000.00
1952-53	2 Staff Cabins		
	Material	500.00	
	Labor Donation	300.00	800.00
	Water System & Pump - Tank & Pipe Lines		
	Material	200.00	
	Labor Donation	400.00	600.00
1958	Bath Facilities - Material	300.00	
	Labor Donation	300.00	600.00
1954-55	Dormitory 20' x 80'		
	Floor & Septic Tank	750.00	
	Studs & Roofing	375.00	
	Siding from Surplus	2,000.00	
	Labor Donation	1,000.00	4,125.00
1952-58	Kitchen Equipment Estimated		800.00
7-14-59	Morris Bros., Payson		
	Construction of Fireplace		1,780.00
7-29-59	Whiting & Kutch Const. Co.		
	Architectural Academic Building		2,402.19
8-24-59	Star Valley		
	400 Gal. Concrete Septic Tank		124.25
9- 1-59	Concrete Work - Architecture Bldg.		131.00
9- 1-59	Roofing Material Architecture Bldg.		96.30
5- 5-60	Morris Bros.		
	16' x 64' Concrete Floor		<u>401.94</u>
	Total to 1960		\$15,860.68

Total Gross Space - 3,000 square feet.

ANNEX I

DRAMA WORKSHOP AUDITORIUM
Formerly Auditorium of I. D. Payne Training School
Moved from site of present Liberal Arts Building

5-20-59	Advertising for moving to new location back of Cosner Auditorium of Tempe Grammar School, purchased for I. D. Payne Training School.	\$ 33.00
8-7-59	Arizona House Moving Moving Back Auditorium	<u>6,783.00</u>
	Total	\$6,816.00

Total Gross Space - 1,200 square feet.

ANNEX II

Remainder of Ira D. Payne Training School
South of Main Building

3-31-60	Installation of 16 Electric Outlets	\$330.37
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Total Gross Space - 2,400 square feet.

ANNEX III

English Annex

1959

1959 Cut and moved part of Building #21 to new position.

Arizona House Moving Company

\$300.00

West of Engineering Center.

Total Gross Space - 1,233 square feet.

ANNEX IV

Corner 10th St. and Forest Avenue

Purchased from Tempe Elementary Schools

1958 Appraised Value	\$71,200.00
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Total Gross Space - 8,222 square feet.

ANNEX VI

Barracks Building West of Engineering

1959	Converted Barracks Building.	
	Work done by Maintenance Staff.	
	Remodeling, painting, and equipment.	\$2,074.16

Total Gross Space - 3,600 square feet.

ANNEX VII

MAINTENANCE SHOP FACILITIES
Formerly
COLLEGE CAFETERIA
(1919)

1919	Architect: L. G. Knipe Building supervised by architect (Force Account) Appropriation limited to \$35,000.00	
	Expended for labor and material	\$31,332.16
	Architect's Fees	1,575.00
1920	From Repair Fund to complete	<u>2,081.09</u>
	Total	\$ 34,988.25
1921	Appropriation from Capital Fund to enlarge building and add special flooring, tile, etc.	11,112.21
1922	From Student Account, Brick Oven, Plenum, etc.	1,660.49
1930	Addition to West End and rooms for help (W. H. Brown, Supervisor)	8,000.00
1935	Roofing and miscellaneous repairs	<u>687.00</u>
	Total	56,447.95
1936	Remodeling Dining Hall to Cafeteria (P. W. A. Project)	
	Architect: L. M. Fitzhugh Contractor: Adams and Cavin	
	Contractor's Bid Accepted	27,058.60
	Architect's Fee 5% of amount	1,352.93
	Other Expenses	<u>13.60</u>
	Total	28,455.13
Approximation: Federal Funds 33 1/3%, College Bonds 66 2/3%.		
	Grand Total, Dining Hall	<u><u>\$84,903.08</u></u>
 <u>Total Gross Space - 8,692 square feet.</u>		

ANNEX VIII
PUBLICATIONS OFFICE
NORTON COTTAGE
(1936)

1936	Purchased from Miss Alma Norton - College Teacher	\$ 3,500.00
	Cement work and improvements (W.P.A.)	<u>150.00</u>
	Total	\$ 3,650.00
1959	Architectural Services for Addition	1,239.54
	Air conditioning	837.03
		<u>278.00</u>
	Total	\$ 6,040.57

Total gross space - 1,470 square feet.

ANNEX IX

Formerly Drew Apartments

1958 Purchased	\$23,522.15	
Less Land	<u>10,000.00</u>	
Total		\$13,522.15

This property is on Eighth Street, and the land is included in land acquisitions.

Total Gross Space - 1,245 square feet.

ANNEX X
COTTAGE
South Campus
(1921)

1921 Contractor: C. M. Paddock
Superintendent: L. C. Austin

Contractor's bid	\$3,240.00
Architect's fees and supervision	198.80
Southside Gas and Electricity	33.75
Misc., including Hardware & Plumbing	<u>151.57</u>

Total

\$ 3,768.12

Total Gross Space - 695 square feet.

1956 Barracks Buildings formerly used as Green Gables,
Unit I and Devils Den, Building 7.

Devils Den	3,618.12
Green Gables	1,050.00
	<u>5,000.00</u>

Combined Total Cost

\$13,436.24

This Building is south of the Science Building constructed in 1947, which is now the Agriculture Building.

ANNEX XI

TESTING CENTER

(Steele House, 904 Forest Avenue)

1956

1956 Purchased from Robert & Olga Y. Noll	\$14,469.45
Less land value	<u>5,000.00</u>
Total	\$ 9,469.45

Total Gross Space - 1,206 square feet.

ANNEX XII

East of Laboratory School Shop Building
Purchased from Tempe Elementary Schools

1958 Appraised Value \$1,800.00

Total Gross Space - 1,620 square feet.

ANNEX XIII

RAMADA HALL

1954

1954	Converted Barracks originally known as Green Gables Remodeling	\$10,000.00 10,000.00
1955	Moving buildings to new location C & C Housemoving Company Miscellaneous	 2,304.00 27.89
	Total	<u>\$22,331.89</u>

Total Gross Space - 3,600 square feet.

ANNEX XIV
BAND QUONSET
1951

Cost

\$3,500.00

Total Gross Space - 6,600 square feet.

ANNEX XV

AMERICAN MEN OF SCIENCE QUONSET HUT

1951

Architect: James W. Elmore

Contractor: Geo. M. Heiskel Const. Co.

1951	Building:	\$18,512.90
	Insulation	3,232.50
1952	Insulation and Electrical	38,254.60
1959	L & S Air Conditioning Company Installation Carrier Air Conditioning	2,150.00
1959	Construction ceiling and partitions	1,911.51
1959	Tuttle & Bailey - Grills	45.72
1959	Installation 1/8" Asphalt tile	<u>60.90</u>
	Total to 1959	\$64,168.13

ANNEX XVI

School of Nursing Offices
 (Formerly Residence of Fred Joyce)
 830 Forest Avenue

1959	Purchased from Fred Joyce	\$29,426.75	
	Less Land Value	<u>21,426.75</u>	
	Total		\$ 8,000.00
1959	Refrigeration and remodeling		2,443.86
1959	Painting		<u>850.00</u>
	Total		\$11,293.86

Total Gross Space - 1,500 square feet.

ANNEX XVII

914 Forest Avenue

Purchased from Mrs. Marie Risser

1959 Land Parcel purchased from Marie Risser

Purchase price	\$14,724.25
Less Land Value	<u>7,500.00</u>

Total

\$7,224.25

Total Gross Space - 1,329 square feet.

MAINTENANCE WAREHOUSE
FORMERLY
BAND BUILDING

1949

1949	Band Building - Tropical Shell	
	Erected by Maintenance Staff	\$ 2,264.37
1959	Moved to rear Audio Visual Center for storage warehouse	<u>1,350.00</u>
	Total	\$ 3,614.37

Total Gross Space - 4,000 square feet.

RESIDENCE HALL STUDENT CAPACITYMEN'S RESIDENCE HALLS

	<u>Designed Capacity</u>	<u>Overload Capacity</u>
M. O. Best	188	188
East	115	135
Charles Haigler	88	95
Charles Trumbull Hayden	144	144
F. M. Irish	158	212
Sahuaro A - B	300	320
Sahuaro C	<u>150</u>	<u>150</u>
Total	1,143	1,244

ADELPHI FRATERNITY HOUSES

Unit 1 - A	30
Unit 2 - B	28
Unit 3 - C	28
Unit 4 - D	28
Unit 5 - E	<u>30</u>
Total	144

WOMEN'S RESIDENCE HALLS

Dixie Dees Gamage	84	116
James H. McClintock - A	100	100
James H. McClintock - B	128	128
North	65	77
Palo Verde - A, B, C	423	443
Palo Verde D	141	141
South	66	78
West	100	100
George W. Wilson	<u>144</u>	<u>144</u>
Total	1,251	1,327
GRAND TOTAL	2,538	2,715

M. O. BEST HALL

"A" North Section

"B" South Section

1956 Architect: Weaver and Drover
Contractor: T. G. K. Construction Co.
Financing: Bond Issue

1956 Weaver and Drover Architects	\$ 31,872.79
T.G.K. Construction Co. - Contracting	531,213.24
Re'snes, Ely Beck & Co. - Bond Service	4,500.00
Legal Service	1,965.53
Clarence Carpenter Insurance Agency	240.18
Tempe Daily News - Advertising	31.05
Valley National Bank	656.25
Total	<u>570,479.04</u>

Total Gross Space - 35,904 square feet.

EAST HALL

1903

1903	Building to include a dining room and kitchen, but not the south wing.	
	Architect: D. Millard and Son, Phoenix	
	Contractor: Field and Gallagher, Phoenix	
	Amount expended original contract, including architect's fees	\$ 24,547.21
	Furniture and equipment - Dorm. Kitchen and Dining Room	4,809.25
1905	Remodeling Dining Room and Kitchen to dormitory rooms	1,323.00
1906	Building Two large sleeping porches	564.00
	Total	<u>31,243.46</u>

South Wing - East Hall

1908

1908	Architects: Creighton and Millard (fees 4%)	
	Contractors: Clinton Campbell	
	*Contractor's bid including fees and extras	18,846.63
	Furniture for 26 rooms in this addition	2,403.00
1915	Building of present sleeping porches	1,314.45
1919	Miscellaneous repairs, including cement back stairs	542.00
1935	Under P.W.A. and Special Appropriations (Replastering, painting, renewing, plumbing, heating)	23,437.86
1936	New Roof - W. P. A. Project	2,836.00
1938-39	Remodeling basement, painting exterior (W. P. A.)	700.00
		<u>\$ 81,323.40</u>
1951	Coolers	
	Contractor: Pacific Western Enterprises	7,984.67
	Total to 1951	<u>\$ 89,308.07</u>

* Built from excess funds, and was part of a joint bid of \$23,676 which included the President's Residence.

Total gross space - 11,480 square feet.

HAIGLER MEN'S RESIDENCE HALL

Garfield A. Goodwin Stadium
East Section
1940-41

W. P. A. Project

Architects: Lescher and Mahoney
Superintendents: Kemper Goodwin and James Rohan

Original Cost	\$ 77,535.86
Landscapes, Sidewalks and Pergola	<u>9,976.00</u>
Total	87,511.86

Seating Capacity - 5,300

Federal Funds (55%), College Bonds (45%)

1946 - Men's Dormitory Installed	<u>275,000.00</u>
Total	\$362,511.86

Total Gross Space - 50,592 square feet.

CHARLES TRUMBULL
HAYDEN HALL MEN'S DORMITORY
1951

1951 Architect: H. H. Green
Contractors: Homes & Son Constr. Co.

\$ 292,860.22

1954 Addition

2,006.72

294,866.94

Total gross space - 24,301 square feet.

IRISH HALL

1940

Units A, B - W. P. A. Project

Architect: Lescher & Mahoney

Superintendents: Norman McKinley and Kemper Goodwin

1940 Units A & B, Contractor: McGinty Construction Co. \$250,000.00
W. P. A. Project

1946 Unit C 175,000.00
Bond Issue

Total 1946 \$425,000.00

Total Gross Space - 28,406 square feet.

SAHUARO, MEN'S RESIDENCE HALL

1956

Architect: Horlbeck & Hickman
 Contractor: Gilbert & Dolan Enterprises Inc.
 Financing: Bond Issue

N. W. Wing A
 S. W. Wing B

1956	Drilling & Soil Sampling	\$	280.23
1956	Architect Services - Horlbeck & Hickman		56,242.50
1956	Risk Insurance		534.31
1957	Government Supervision & Inspection		3,750.00
1957	Advertising for Bids		46.50
1957	Construction Contract		961,422.00
1957	Advertising Sale of Bonds		63.00
1957	Legal Fees & Expenses on Bonds		5,578.42
1957	Trustee Services		825.40
1958	Bulletin Panels		<u>1,102.00</u>
	Total to 1958		1,029,844.36

N. E. Wing C

1957	Legal Services & Expenses for Bonds		2,707.66
1957	Advertising for Bids		29.70
	Architectural Fees		18,961.85
	Risk Insurance		216.16
	Construction Contract		379,237.00
1958	Advertising Sale of Bonds		148.23
	Bulletin Panels		551.00
	Additional Rework on Windows		<u>197.02</u>
	Total to 1958		\$1,431,892.98

Total Gross Space - 82,000 square feet.

ADELPHI

Men's Residence Halls

Units A - B - C - D - E

1954

1954 Architect: Kemper Goodwin
Contractor: E. J. Wasielewski
Financing: Bond Issue

Cost

\$400,000.00

Units: 1. - A Delta Sigma Phi
2. - B Lambda Chi Alpha
3. - C Sigma Nu
4. - D Phi Sigma Kappa
5. - E Alpha Tau Omega

Total Gross Space - 38,024 square feet.

DIXIE GAMMAGE HALL
(1941)

1941 Architects: Lescher and Mahoney
Contractor: William Pepper Construction Company

Building: Brick and Cement: Capacity 86 students.

Cost, including architects' fees	\$ 111,480.45
Furniture and Equipment	<u>11,000.00</u>
	\$ 122,480.45

Funds - 100% College Bonds

Total gross space - 19,449 square feet.

MCCLINTOCK "A"

Womens' Residence Hall

Formerly GAMAGE ANNEX

1951

1951 Architect: Guirey and Jones	\$197,532.29
Contractors: J. R. Porter Const. Co.	
Financing: Bond Issue	
1954 Additions	<u>1,002.17</u>
Total to 1954	\$198,534.46

Total Gross Space - 12,264 square feet.

MC CLINTOCK "B"

Women's Residence Hall

1956

1956 Architect: Fred Guirey
 Contractor: William Peper Construction Co.
 Financing: Bond Issue

12-8-55	Risk Insurance Clarence Carpenter Insurance Agency	\$	163.81
8-4-55	Services of Trustee Valley National Bank		30.55
5-23-55	Advertising for Bids		25.25
5-23-55	Architects Fee		21,562.62
5-23-55	Construction Contract		359,377.00
2-9-55	Trustee Fees Valley Bank		125.00
	Total		<u>\$381,284.23</u>

Total Gross Space - 24,926 square feet.

NORTH HALL

1914

1914	Architect:	S. G. Knipe	
	Contractor:	Arizona Engineering and Construction Company	
	Original Construction		\$ 15,500.00
	Machinery and Electrical Company bid		1,441.00
	Valley Hardware and Plumbing bid		1,195.00
	Architect's fees		<u>634.08</u>
	Total		\$ 18,770.08

1925. Second Half

Architects: Lescher and Mahoney
 Contractor: McGinty Construction Company

This is one half of a joint bid for additions to
 North and South Halls. (See South Hall) \$ 33,006.82

1934	Miscellaneous repairs	525.00
1935	Roofing, plumbing, etc. (PWA)	608.00
1937 to 1939 (WPA)	Changing sleeping porch, painting and repairs	400.00

Total to 1940	<u>\$ 53,307.90</u>
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1950	Steel sash installed in sleeping porches	<u>1,700.00</u>
	Total to 1950	\$ 55,007.90
	Installation of coolers	1,650.00
	Installation of sleeping porch floor & paint	<u>363.12</u>
	Total	\$ 57,021.02

Total gross space - 14,594 square feet.

PALO VERDE

WOMEN'S RESIDENCE HALL

1956

Architect:
 Contractor: Mardian Construction Company
 Financing: 100% Bonds

SW Wing A
 NW Wing B
 SE Wing C

1956	Advertising for bids	\$ 87.00
	Advertising Sale of Bonds	391.88
	Government Supervision Fee	3,750.00
	Engineering Services	608.00
	Legal Services & Expenses on Bonds	10,136.85
	Valley National Bank - Trustee Services	825.39
	Construction Contract, A, B, C, and Dining Hall	1,324,793.00
	Prof. Services - Interior Decoration	2,500.00
	5" Primary Electric Duct	133.14
	Risk Insurance - Kenneth Clark Agency	755.13
	Concrete Tests - Ariz. Testing Laboratory	1,817.18
	Soil Tests - Arizona Testing Laboratory	613.50
1957	Construction of Wing D	
	T. G. K. Construction Company	418,500.00
	Architect's Fee - Weaver & Dover	25,110.00
	Addition to original contract - Mardian Const. Co.	22,816.85
	Concrete Tests - Arizona Testing Lab.	1,431.35
	Advertising for Bids - Tempe News	27.90
	Risk Insurance - Harelson Ins. Co.	238.55
1960	Remodeling & Installing Kitchen Rooms 126-128	391.79
	Total	<u>1,814,926.01</u>

Total Gross Space - 119,250 square feet.

SOUTH HALL

1913

1913	Architects: Lescher and Ribbey Contractor: Arizona Engineering and Construction Company	
	Original Construction	\$ 18,147.00
	Heating Plant - Other equipment and extras	2,717.60
	Total	\$ 20,864.60
1925	Second Half	
	Architects: Lescher and Mahoney Contractor: McGinty Construction Company	
	This is one half of a joint bid for additions to North and South Halls (See below)	\$ 33,006.82
1919-1934	Miscellaneous repairs and improvements Painting, calcemining, plumbing, etc.	500.00
1935	Roofing (PWA)	552.00
1938	Remodeling Kitchen and Basement Rooms	300.00
	Total to 1940	\$ 55,223.42
1950	Steel sash installed in sleeping porches	1,700.00
	Total	\$ 56,923.42

Additions to North and South HallJoint Bid

1925 - Second Half - Both additions	
Architects: Lescher and Mahoney	
Contractor: McGinty Construction Company	
General Contract	\$ 49,971.39
Plumbing and heating contract, Horral Co.	6,999.50
Architect's fees (5%)	2,848.44
Hardware, electricity, painting, etc.	1,500.21
Furniture and equipment, both additions	4,694.11
Total	\$ 66,013.65
South Hall charged with one half	\$33,006.82
North Hall charged with one half	33,006.82

Total gross space - 13,880 square feet.

WEST HALL

1935-36 Architects: Lescher & Mahoney
 Contractor: Del E. Webb Construction Company
 Superintendent of Building: Kemper Goodwin

Construction, Original Bid plus \$3,721.63 extras	\$150,855.00
Architects' fees, 5% of cost	7,542.75
Expense	153.99
Remodeling front entrances and painting interior	200.00
	<u>\$158,751.74</u>

Federal Funds 34%, College Bonds 66%

1949 Installation of coolers	<u>1,650.00</u>
Total	\$ 160,401.74

Total gross space - 27,918 square feet.

GEORGE W. WILSON WOMEN'S RESIDENCE HALL

1956

Architect: Kemper Goodwin
 Contractor: T. G. K. Construction Co.
 Financing: Bond Issue

1955 Clarence Carpenter Insurance Co. - risk insurance	\$ 167.24
Valley National Bank - Trustee Fees	30.56
Advertising for Bids	25.00
Architect's Fees	21,883.08
Construction Contract	364,718.00
Advertising for Bids	15.30
Trustee services	125.00
Refrigeration Contract	29,787.00
Architect's fees	1,787.22
Title policy	47.50
	<hr/>
Total	\$418,585.90

Total Gross Space - 28,410 square feet.

VICTORY VILLAGE APARTMENTS

1946

1946 Converted Barracks \$ 60,954.98

Financed: Alumni Association - Loan Repaid
From Rental Income.

Total Gross Space - 41,052 square feet.

During the Summer of 1960 half of the units were demolished to make room for the new University entrance off Mill Avenue. At the present time there are twenty-five units remaining. These will be demolished shortly to make room for the new Frank Lloyd Wright designed Auditorium and Fine Arts Center.

Total Gross Space 25 Units - 20,000 square feet.

SIXTEENTH STREET HOUSING

1955

1955 Architect: Horlbeck & Hickman
Moving two houses to 16th Street from lots
purchased in land acquisition for expanded campus

1955 Architects Fees	\$ 505.00
Moving Contract	<u>1,100.00</u>
Total	\$1,605.00

Included in this Housing Area which is south of Sahvaro
Hall are 11 small houses which were moved from property
acquired by the University in its land acquisition program.

Total Gross Space - 7,305 square feet.

SOLAR ENERGY HOUSE

East Shea Boulevard
Northwest of Scottsdale, Arizona

This property is being held by the Arizona State University Foundation until such time as the University has funds available for purchase.

Cost \$33,000.00

Total Gross Space - 1,975 square feet.

1132 VAN NESS AVENUE

Approximate Cost

\$ 2,500.00

Total Gross Space - 800 square feet.

HOME OF DIRECTOR, PHYSICAL PLANT

Formerly R. J. Hight Home

820 Forest Avenue

1957	Purchased from Dr. R. J. Hight	\$28,900.75	
	Less land value	<u>18,900.75</u>	
	Total		\$10,000.00
1959	Shower Cabinet		<u>117.00</u>
	Total		\$10,117.00

Total Gross Space - 1,800 square feet.

PRESIDENT'S RESIDENCE

1907

1907 Architects: Creighton and Millard
Contractor: Clinton Campbell

* Original Contract, including architect's fees,
Extras and miscellaneous \$ 6,023.95

247.50

1910 Cement walks, foundation, and basement 650.00

Total \$ 6,921.45

1931 Remodeling interior, extension, etc. 2,288.56
New Equipment - refrigerator, range, furniture 800.00

1933 Roof, painting rooms, etc. 550.00

Total to 1933 \$ 10,560.01

1937 to 1939 W. P. A. temporary room 125.00
Enclosing porch 150.00

Total cost to 1940 \$ 10,835.01

1951 Refrigeration system
Installed by Maintenance Staff 650.00

\$ 11,485.01

* Built from excess funds, being part of a joint bid of \$23,676
which included the South Wing of East Hall.

1954 Garage built by maintenance staff. 1,042.00
Total \$12,527.01

Total gross space - 3,000 square feet.

GENERAL IMPROVEMENTS

To 1960

Utility facilities, tunnels, sewers, distribution lines	\$320,038.00
Streets, curbs, and sidewalks	98,711.00
Parking lots	114,563.00
Tennis courts	<u>56,978.00</u>
Total	\$590,290.00

CAMPUS PLANTING

INVENTORY

Campus Trees, Shrubs, Palms, and Hedges

SUMMARY

- *TREES--Varieties 57, Total number of trees, 1478
- **SHRUBS--Varieties 74, Total number of shrubs, 1512
- ***HEDGES--Varieties 4, Total number of feet, 5738

*TREES The first planting of trees to any extent was in 1891, when 140 Arizona Ash were planted on about ten acres of the original campus. Some of them, now over seventy years old, are still alive and are among the largest and thriftiest trees on the campus and may be good for another fifty years.

 The next large planting was from 1912 to 1914, when about a hundred Olive Trees, and as many Palms, were planted. A few have been removed to make room for new buildings and lawns.

 In 1916, sixty English Elms, and the same number of American Elms, were procured from a California Nursery and planted. The former, in Parkways, and the latter, inside the sidewalk line, on both sides of College Avenue. They were the first Elms of any kind to be planted in the Salt River Valley. Numerous small plantings of various varieties of Evergreens and Deciduous trees are made annually.

**SHRUBS The planting of shrubs on the campus has been governed by the construction and location of buildings, which accounts for the variation, maturity, and extensive plantings during recent years.

***HEDGES All the present hedges have been planted during the past twenty-five years. The larger being an Oleander hedge which surrounds the twenty-acre Goodwin field.

DECIDIOUS
TREES

130 American Elm	4 Magnolia
110 Arizona Ash	5 Chinese Elm
6 Montebello Ash	3 Sycamores
53 English Elm	2 Willow
40 Umbrellas	4 Red Bud Cercis
27 Poplars	2 Chinese Flame Trees
5 Honey Locusts	4 Blue Chasta Trees
5 Hackberry	
Total number of deciduous trees	
	400

EVERGREEN
TREES

135 Sour Oranges	6 Tamarix
95 Olive Shades	6 Guadalupe Cypress
94 Italian Cypress	4 Cork Oak
90 Carob	3 Live Oak
60 Arborvitaes	3 Cedars
2 Golden Column	2 Evergreen Elm
58 Arizona Cypress	2 Silver Juniper
40 Bottle Tree	2 Virginia Juniper
40 Eucalyptus	4 Jacaranda
36 Pepper Tree	1 Fern Pine
33 Pine Aleppo	1 Irish Yeu
11 Monterey Cypress	1 Big Cone Pine
1 Sempervireus Redwood	
Total number of evergreen trees	
	730

FRUIT AND NUT TREES

9 Fig Trees	2 Sapotes
4 Date Palms	20 Pecan
3 Mulberry	8 Black Walnut
3 Grapefruit	2 Cape Chestnuts
3 Naval Oranges	
Total number of fruit & nut trees	
	54

PALM TREES

230 Washingtonia Felifera	4 Sago Palm
Washingtonia Robusta	2 Dwarf Fan Palm
4 Blue Palm	11 Fortunesi Palm
41 Phoenix Cananiensis	2 Windmill Palm
Total number of palm trees	
	<u>294</u>

GRAND TOTAL 1478

INVENTORY OF SHRUBS ON CAMPUS

Different Varieties - 57

Total Number of Plants - 1712

162 Euonymus	3 Abelia
18 Euonymus Variegated	1 English Holly
130 Myrtle Communis	12 Altea, Rose of Sharon
27 Myrtle Variegated	3 Flowering Peach
47 Myrtle Compacta	4 Flowering Quince
49 Cassia	12 Trumpet Vine
83 Cotoneaster	23 Climbing Roses
120 Pittosporum	206 Rose Bushes
23 Pittosporum Variegated	6 Bignonic Tweediana Vine
22 Dwarf Pomegranite	5 Camelias
10 Lantana	8 Poinsetta
19 Photinias	30 English Ivy
130 Oleanders	6 Algerian Ivy
56 Flowering Pomegranite	4 Boston Ivy
41 Privet Japanese	6 Plomosas Fern
8 Bush Jasmine	14 Boxwood
38 Mandina	3 Natal Plum
12 Phracantha	4 Honey Suckle
14 Privet California	10 Coral Vine
1 Desert Cassia	6 Lycum
1 Yucca Cactus	1 Buddlens
4 Persian Lilac	3 Cocculus
3 Lagunaria	1 Arbutus Unedoc
1 California Holly	4 Rock Rose Cistur
2 Cactus	2 Fuchsias Madame-Non.
4 Bougainvillea Vine	2 Fuchsias Australian
1 Spanish Broom	3 Clematis
4 Bay Leaf	1 Golden Ball
24 Spirea	1 Ile-de France
3 Chinese Holly (Desert)	1 French Lilac
3 Westeria Vine	1 Spirea Bellardi
23 Climbing Jasmine	3 Columbine Crimson Star
5 Bottle Brush	6 Columbine
2 Doisna	1 French Lilac-Pres. Lincoln
6 Crepe Myrtle	1 " " Claude Bernard
13 Hibiscus	1 " " Souv. de L Spaeth
4 Viburnum	1 English Holly