

*new Residence
Halls*

JH

PROPOSED RESIDENCE BUILDING

May 12th, 1927.

Preliminary study for residence building on a site of 300' frontage and 250' depth called for a "U" shaped building with the addition of two short wings on the front and one in the court to contain the assembly hall. The rear court is to be designated as playing field for tennis courts, etc. The building to be set back from the street, the wall of the main portion to be about 80' back of the lot line.

Main Front : Length 260'; Breadth 39'; Height 95'.

Rear Wing : " 108'; " 39'; " 75'.

Front Wing : " 40'; " 39'; " 65'.

Assembly Hall: " 70'; " 64'; " 40'.

Cubical Contents 1,863,000 cu. ft.

Est. cost at 70c per cu ft \$1,304,100

Furnishing 175,000

\$1,479,100

Total guests 470

Cubic Feet in each bedroom 1134

Cubic contents of dormitory
portions 1,152,175 cu. ft.

Cost at 70¢ per cu.ft. \$ 806,522.50.

Office of the President

60¢ a cu. ft. is a fair estimate at present prices.

The University of Chicago

Office of the Librarian

1914

Methods of collecting data on the
growth of the library group, which
has been, regular in its growth, in the
past few years, and all of which are
now in the hands of the Librarian.
The growth of the library group, which
has been, regular in its growth, in the
past few years, and all of which are
now in the hands of the Librarian.

Cubic contents of buildings now in process :--

House

| | |
|-------------------------|---------------|
| Field House..... | \$3,103,000. |
| Theology | 691,123. |
| Divinity Chapel | 138,000. |
| Zoology..... | 168,000. |
| Hospital | 66,660,000. |
| University Chapel | 1,000,000. |
| | <hr/> |
| | \$11,760,123. |

Gracie contents of buildings now in process :--

| | |
|-------------------------|---------------|
| Field House..... | \$3,103,000. |
| Theology | 621,123. |
| Divinity Chapel | 128,000. |
| Zoology..... | 168,000. |
| Hospital | \$8,660,000. |
| University Chapel | 1,000,000. |
| | <hr/> |
| | \$11,760,123. |

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For Confidential Use Only

Dimensions - feet

New

Estimated Cost

March 30, 1925

| Building or Section | Length | Breadth | Height | Cubic Content | Estimated Cost | | | Total Cost to Build, Equip and Endow |
|------------------------------|--------|---------|---------|------------------|--------------------------|--|---|---|
| | | | | | To Build 60¢ a cu.ft. | To Equip 10% of Building Cost | To Endow 50% of Building Cost. | |
| <u>CHEMISTRY-all</u> | 282' | 56' | 62-100' | 1,182,720' | \$710,000 | \$75,000 | \$355,000 | \$1,140,000 |
| Section A (East) | 110' | 56' | 62 | 381,920 | 230,000 | 23,000 | 115,000 | 368,000 |
| Section B&C (West) | 172 | 56 | 75-100 | 800,800 | 485,000 | 48,000 | 242,000 | 775,000 |
| Section C (Only) | 114 | 56 | 75-100 | 557,200 | 340,000 | 34,000 | 170,000 | 544,000 |
| <u>MATHEMATICS-all</u> | 263 | 56-76 | 62 | 1,040,752 | 625,000 | 62,000 | 313,000 | 1,000,000 |
| Section A (W.E.) | 68 | 72 | 62 | 333,312 | 200,000 | 20,000 | 100,000 | 320,000 |
| Section B (W.) | 130 | 56+ | 62 | 434,640 | 265,000 | 27,000 | 133,000 | 425,000 |
| Section C (E.) | 65 | 56-76 | 62 | 272,800 | 165,000 | 17,000 | 83,000 | 265,000 |
| <u>SOCIAL SCIENCE-all</u> | 180 | 65-84 | 80 | 1,026,560 | 620,000 | 62,000 | 310,000 | 992,000 |
| Section A (W.) | 136 | 65+ | 80 | 730,880 | 440,000 | 44,000 | 220,000 | 704,000 |
| Section B (E) | 44 | 84 | 80 | 295,680 | 180,000 | 18,000 | 90,000 | 288,000 |
| <u>MODERN LANGUAGES</u> | | | | | | | | |
| all- with double basement | 136 | 65 | 80 | 747,520 | 450,000 | 45,000 | 225,000 | 720,000 |
| <u>ADMINISTRATION-all</u> | 246 | 60 | 62-106 | 1,073,520 | 650,000 | 65,000 | 325,000 | 1,040,000 |
| | 200 | 60 | 62-106 | | | | | |

SCHOOL OF POLITICAL SCIENCE

SPACE REQUIREMENTS FOR THE SOCIAL SCIENCE

DEPARTMENTS

| | | |
|---|---------------------------|---------------------|
| 1. Director's Office | 500 sq.ft. | |
| 2. Assistant Director's Office | 300 " | |
| Secretary to Director | | |
| | <u>Floor working area</u> | <u>gross cu.ft.</u> |
| 1. School of Politics | 16,700 sq.ft. | 384,100 |
| 2. Library School | 14,000 " " | 322,000 |
| 3. School of Social Service | 6,000 " " | 138,000 |
| 4. Commerce and Administration | 13,000 " " | 299,000 |
| 5. Social Science Departments: | | |
| Philosophy) | | |
| Economics) | | |
| History) | | |
| Sociology) | 45,000 " " | 1,035,000 |
| 6. Service Laboratory for charting, graphic representation and duplication for the Social Science Departments | 2,000 " " | 46,000 |
| 7. Working space for activities such as those now conducted under the Laura Spelman Rockefeller Memorial | 5,000 " " | 115,000 |
| Totals | 101,700 " " | 2,339,100 |

Total space needed above ground 15,000 " "

Total space needed below ground 2,000 " "

Needed - 17 floors above ground

SPACE REQUIREMENTS FOR THE SOCIAL SCIENCES
DEPARTMENTS

| <u>Floor working area</u> | <u>Area sq. ft.</u> |
|---|---------------------|
| 1. School of Politics - - - - - | 16,700 sq. ft. |
| 2. Library School - - - - - | 14,000 " |
| 3. School of Social Service - - - - - | 8,000 " |
| 4. Commerce and Administration - - - - - | 12,000 " |
| 5. Social Science Department: | |
| Sociology | |
| History | |
| Economics | |
| Philosophy | |
| 6. Service Laboratory for charting, exhibits representation and duplication for the Social Science Department - - - - - | 48,000 " |
| 7. Working space for activities such as those now conducted under the name of the Rockefeller Memorial - - - - - | 5,000 " |
| Totals - - - - - | 101,700 " |
| | 2,320,100 |
| | 115,000 |
| | 48,000 |
| | 1,055,000 |

SCHOOL OF POLITICS

| | | | | |
|--|------------------------|------------|--|--|
| 1 Director's Office - - - - - | @ 500 sq.ft. - - - - - | 500 sq.ft. | | |
| 1 Assistant Director's Office - - - - - | @ 300 " " - - - - - | 300 " " | | |
| Secretary to Director - - - - - | @ 460 " " - - - - - | 460 " " | | |
| 10 rooms for Professors and Associate Professors- - - - - | @ 260 " " - - - - - | 2600 " " | | |
| 10 rooms for Assistant Professors - - - - - | @ 225 " " - - - - - | 2250 " " | | |
| Secretary for Instructional Officers and Departmental Stenographers- - - - - | - - - - - | 500 " " | | |
| Seminar Rooms - (3 @ 20x24) - - - - - | - - - - - | 1440 " " | | |
| Class Rooms - (2 @ 35 students) - (20x24) - - - - - | - - - - - | 770 " " | | |
| 3 Conference Rooms (small)- - - - - | - - - - - | 1155 " " | | |
| 1 Conference Room (large) - - - - - | - - - - - | 1650 " " | | |
| 1 Work Room for Research Workers- - - - - | - - - - - | 450 " " | | |
| 1 Large Departmental Work Room- - - - - | - - - - - | 1200 " " | | |
| Add for Affiliated Institutes and Related Activities- - - - - | - - - - - | 1500 " " | | |
| Storage - - - - - | - - - - - | 2000 " " | | |
| | Total - - - - - | 16775 " " | | |
| | Say - - - - - | 17000 " " | | |
| Total space needed above ground - - - - - | - - - - - | 15000 " " | | |
| Total space needed below ground - - - - - | - - - - - | 2000 " " | | |
| Needed - $2\frac{1}{2}$ floors above ground | | | | |

SCHOOL OF POLICE

| | | | | |
|----|---|-------|---------------|-------------|
| 1 | Director's Office | ----- | @ 500 sq. ft. | 500 sq. ft. |
| 1 | Assistant Director's Office | ----- | @ 300 " | 300 " |
| 1 | Secretary to Director | ----- | @ 400 " | 400 " |
| 10 | rooms for Professors and Associates | ----- | @ 250 " | 2500 " |
| 10 | rooms for Assistant Professors | ----- | @ 225 " | 2250 " |
| 1 | Secretary for Instructional Officers and Departmental Stenographers | ----- | | 500 " |
| 3 | Seminar Rooms - (3 @ 30x34) | ----- | | 1440 " |
| 3 | Class Rooms - (3 @ 25 students) | ----- | | 750 " |
| 3 | Conference Rooms (small) | ----- | | 1125 " |
| 1 | Conference Room (large) | ----- | | 1850 " |
| 1 | Work Room for Research Workers | ----- | | 450 " |
| 1 | Large Departmental Work Room | ----- | | 1300 " |
| | Add for Affiliated Institutes and Related Activities | ----- | | 1500 " |
| | Storage | ----- | | 3000 " |
| | Total | ----- | | 15775 " |
| | Day | ----- | | 17000 " |
| | Total space needed above ground | ----- | | 15000 " |
| | Total space needed below ground | ----- | | 2000 " |
| | Needed - 2 1/2 floors above ground | | | |

LIBRARY SCHOOL

SOCIAL SERVICE ADMINISTRATION

The figures for the Library School are taken from the report on that subject recently submitted to you.

| | | | |
|--|------|---|---|
| Secretary- - - - - | 450 | " | " |
| 5 full Professors (500)- - - - - | 750 | " | " |
| 2 Associate Professors (200)- - - - - | 400 | " | " |
| Work Room- - - - - | 1200 | " | " |
| Reading Room - - - - (15x30) - - - - - | 250 | " | " |
| 3 Class Rooms- - - - (12x20) - - - - - | 720 | " | " |
| File and Stack and Storage Space - - - - - | 1150 | " | " |
| <hr/> | | | |
| Total- - - - - | 4000 | " | " |

LIBRARY SCHOOL

The figures for the Library School are taken from the report on that subject recently submitted to you.

SOCIAL SERVICE ADMINISTRATION

| | |
|--|------------|
| 1 Dean - - - - - | 500 sq.ft. |
| Secretary- - - - - | 450 " " |
| 3 full Professors (250)- - - - - | 750 " " |
| 2 Associate Professors (200) - - - - - | 400 " " |
| Work Room- - - - - | 1200 " " |
| Seminar Room - - - - - (15x30) - - - - - | 450 " " |
| 2 Class Rooms- - - - - (12x30) - - - - - | 720 " " |
| File and Stack and Storage Space - - - - - | 1130 " " |
| Seminar Room (30x40) - - - - - | 1200 " " |
| Total- - - - - | 6000 " " |
| Class Rooms- - - - - | 1000 " " |
| Research Rooms - - - - - | 1000 " " |
| File, Stack, and Storage Space - - - - - | 1300 " " |
| 2 Conference Rooms - - - - - | 600 " " |
| Total- - - - - | 13000 " " |

SOCIAL SERVICE ADMINISTRATION

| | | |
|---------------------------------|-------|------|
| 1 Dean | ----- | 500 |
| Secretary | ----- | 450 |
| 3 Full Professors (250) | ----- | 750 |
| 2 Associate Professors (300) | ----- | 600 |
| Work Room | ----- | 1200 |
| Reading Room (15x30) | ----- | 450 |
| 2 Class Rooms (12x30) | ----- | 720 |
| File and Book and Storage Space | ----- | 1130 |
| Total | ----- | 5000 |

COMMERCE AND ADMINISTRATION

| | |
|---------------------------------|--------------|
| 30 Professors @ 250 sq.ft. each | 7,500 sq.ft. |
| Dean | 500 sq.ft. |
| 2 Assistant Deans Offices | 250 " " |
| Secretary | 450 " " |
| 4 Full Professors @ 250 | 1000 " " |
| 4 Associate Professors @ 200 | 800 " " |
| Work Room | 1200 " " |
| Accounting Laboratory | 1200 " " |
| Seminar Room (20x40) | 800 " " |
| Class Rooms | 4000 " " |
| Research Rooms | 1000 " " |
| File, Stack, and Storage Space | 1200 " " |
| 2 Conference Rooms | 600 " " |
| Total | 13000 " " |

COMMERCE AND ADMINISTRATION

| | | |
|--------------------------------|--------------|----------------|
| Dean | ----- | 300 sq. ft. |
| 5 Assistant Deans Offices | ----- | 300 " |
| Secretary | ----- | 450 " |
| 4 Full Professors @ 350 | ----- | 1400 " |
| 4 Associate Professors @ 300 | ----- | 1200 " |
| Work Room | ----- | 1200 " |
| Accounting Laboratory | ----- | 1200 " |
| Seminar Room (30x40) | ----- | 1200 " |
| Class Room | ----- | 4000 " |
| Research Room | ----- | 1000 " |
| File, Stack, and Storage Space | ----- | 1200 " |
| 2 Conference Rooms | ----- | 600 " |
| Total | ----- | 13000 " |

SOCIAL SCIENCE DEPARTMENTS

| | |
|--|---------------------|
| 30 Professors @ 250 sq.ft. each - - - - - | 7,500 sq.ft. |
| 17 Associate and Assistant Professors @ 200 sq.ft. - - - - - | 3,400 sq.ft. |
| 4 Secretary Offices @ 500 sq.ft. - - - - - | 2,000 sq.ft. |
| 4 Work Rooms @ 1,200 sq.ft. - - - - - | 4,800 sq.ft. |
| 4 Store Rooms - - - - - | 1,700 sq.ft. |
| 4 Conference rooms @ 15x20 ft. - - - - - | 1,200 sq.ft. |
| 3 Seminar Rooms @ 20x40 ft. - - - - - | 2,400 sq.ft. |
| 15 Class Rooms- - - - - @ 25x40 ft. - - - - - | 15,000 sq.ft. |
| 2 Club Rooms - (Library Report, p. 58, 88) - - - - - | |
| with kitchenettes - - - - - | 2,000 sq.ft. |
| Small Lecture Hall- - - - - | 2,500 sq.ft. |
| Research Rooms- - - - - | <u>2,500 sq.ft.</u> |
| Total- - - - - | -45,000 sq.ft. |

SPECIAL SCIENCE DEPARTMENTS

| | | |
|---|-------|----------------|
| 30 Professors @ \$20 sq. ft. each | ----- | 7,500 sq. ft. |
| 17 Associate and Assistant Professors @ \$200 sq. ft. | ----- | 3,400 sq. ft. |
| 4 Secretary Offices @ \$200 sq. ft. each | ----- | 8,000 sq. ft. |
| 4 Work Rooms @ 1,200 sq. ft. each | ----- | 4,800 sq. ft. |
| 4 Store Rooms | ----- | 1,700 sq. ft. |
| 4 Conference Rooms @ 15x20 ft. each | ----- | 1,200 sq. ft. |
| 3 Seminar Rooms @ 20x40 ft. each | ----- | 2,400 sq. ft. |
| 15 Glass Rooms @ 25x40 ft. each | ----- | 15,000 sq. ft. |
| 2 Club Rooms - (Library Report, p. 58, 59) with kitchenettes | ----- | 2,000 sq. ft. |
| Small Lecture Hall | ----- | 2,500 sq. ft. |
| Research Rooms | ----- | 2,500 sq. ft. |
| Total | ----- | 45,000 sq. ft. |

FACTORS USED IN THE PRECEDING DETAIL
STUDIES

| | <u>Ultimate</u> | <u>Present</u> |
|--|-----------------|----------------|
| Variation from these figures have been made in special cases for special reasons, but in general these figures have been used. | | |
| 1. Office of a Dean or Director - - - - - | 500 sq.ft. | " " |
| 2. Office of a Secretary to a Dean or Director | 450 | " " |
| 3. Office of a full Professor - - - - - | 250 | " " |
| 4. Office of an Associate Professor - - - - - | 200 | " " |
| 5. Work Room - - - - - | 1200 | " " |
| 6. Seminar Room - - - - - | 400 | " " |

STUDIES
FACTORS USED IN THE PRECEDING INSTANT

Variation from these figures have been made in special cases for special reasons, but in general these figures have been used.

- 1. Office of a Dean or Director - - - - - 500 sq. ft.
- 2. Office of a Secretary to a Dean or Director 450
- 3. Office of a full Professor - - - - - 250
- 4. Office of an Associate Professor - - - - - 200
- 5. Work Room - - - - - 1800
- 6. Seminar Room - - - - - 400

Estimated space required by the Social Science Group:

| | <u>Ultimate</u> | <u>Present</u> |
|------------------------------------|-----------------|-----------------|
| Social Science Departments..... | 1,035,000 | 750,000 |
| Related Working Activities..... | 161,000 | 100,000 |
| Commerce & Administration..... | 299,000 | |
| Social Service Administration | 138,000 | 100,000 |
| Politics | 384,100 | 200,000 |
| Library School..... | 322,000 | 200,000 |
| Library Stacks..... | 300,000 | 150,000 |
| | <hr/> 2,640,100 | <hr/> 1,500,000 |

Estimated space possible of provision:

| | |
|-------------------------------|----------------|
| New East Wing | 500,000 |
| Equal to Modern Language..... | 600,000 |
| Extension toward Foster..... | 150,000 |
| East Tower | 125,000 |
| Cobb Hall..... | 648,000 |
| Kelly & Green Halls (?) | 500,000 |
| Foster Hall..... | 300,000 |
| | <hr/> 2323,000 |

Estimated space required by the Social Science Group:

| | <u>Ultimate</u> | <u>Present</u> |
|------------------------------------|------------------|------------------|
| Social Science Departments..... | 1,035,000 | 750,000 |
| Related Working Activities..... | 161,000 | 100,000 |
| Commerce & Administration..... | 299,000 | |
| Social Service Administration | 138,000 | 100,000 |
| Politics | 384,100 | 200,000 |
| Library School..... | 322,000 | 200,000 |
| Library Stacks..... | 300,000 | 150,000 |
| | <u>2,640,100</u> | <u>1,500,000</u> |

Estimated space possible of provision:

| | |
|-------------------------------|-----------------|
| New East Wing | 600,000 |
| Equal to Modern Language..... | 600,000 |
| Extension toward Foster..... | 150,000 |
| East Tower | 125,000 |
| Cobb Hall..... | 648,000 |
| Kelly & Green Halls (?) | 500,000 |
| Foster Hall..... | 300,000 |
| | <u>2323,000</u> |

Estimated space required by the Social Science Group:

| <u>Present</u> | <u>Ultimate</u> | |
|------------------|------------------|----------------------------------|
| 750,000 | 1,035,000 | Social Science Departments..... |
| 100,000 | 181,000 | Related Working Activities..... |
| | 239,000 | Commerce & Administration..... |
| 100,000 | 138,000 | Social Service Administration... |
| 200,000 | 384,100 | Police |
| 200,000 | 322,000 | Library School..... |
| 150,000 | 300,000 | Library Stacks..... |
| <u>1,500,000</u> | <u>2,840,100</u> | |

Estimated space possible of provision:

| | | |
|-----------------|-------|------------------------------|
| 200,000 | | New East Wing |
| 200,000 | | Room to Modern Language..... |
| 150,000 | | Extension toward Foster..... |
| 125,000 | | East Tower |
| 648,000 | | Cobb Hall..... |
| 800,000 | | Kelly & Green Hall (T) |
| <u>300,000</u> | | Foster Hall..... |
| <u>2322,000</u> | | |

Memorandum to President Burton:

Herewith I hand you a rough study of the space requirements of the various departments mentioned in our recent conference. The first page is a summary showing the actual number of square feet of working space required by each of the several schools and departments. In the last column these figures have been reduced to gross building cubic feet with the necessary allowance for the corridors, stairways, toilet rooms, etc.. The following pages show the detailed figures upon which the totals are based.

Of course you will understand that these are rather rough estimates. Those for the School of Politics and the Library School are based on rather complete studies which have been made in other connections. Those for other departments are, in general, based upon an average of the figures given in the Library Commission Report, Page 63, showing the number of full professors and associate and assistant professors in the various departments for the year 1923-24 and the estimates for the year 1950-51. In most cases we have taken figures exactly half way between, though in a few cases where we felt special conditions made it advisable, we have varied from this figure. The factors used are shown on page six.

We have made no effort to assign any of these items to definite locations in specific buildings with a single exception. As a basis for cost estimates we discovered that the School of Politics and the Library School would require almost exactly the space which will be available in the proposed east wing of Harper. We used Mr. Flook's cost figures for that building as a basis of the cost figures in the Library School Report which is already in your hands.

The space figures for the various departments are based on the assumption that each full professor and associate professor will have an office in the departmental building. It is assumed that the assistant professors and instructors will have studies in the Library Stacks. Hence they are not provided for in these estimates except in one case, the School of Politics, where the figures turned in by Mr. Merriam and which we have used provide offices for both associate and assistant professors in the School building.

Very truly yours,

Emory Gilley

Memorandum to President Barker:

Herewith I hand you a rough study of the space requirements of the various departments mentioned in our recent conference. The first page is a summary showing the actual number of square feet of working space required by each of the several schools and departments. In the last column these figures have been reduced to gross building cubic foot with the necessary allowance for the corridors, stairways, toilet rooms, etc. The following pages show the detailed figures upon which the totals are based.

Of course you will understand that these are rather rough estimates. Those for the School of Political and the Library School are based on rather complete studies which have been made in other connections. Those for other departments are, in general, based upon an average of the figures given in the Library Commission Report, page 88, showing the number of full professors and associate and assistant professors in the various departments for the year 1922-23 and the estimates for the year 1923-24. In most cases we have taken figures exactly half way between, though in a few cases where we felt special conditions made it advisable, we have varied from this figure. The factors used are shown on page six.

We have made no effort to assign any of these items to definite locations in existing buildings with a single exception. As a basis for cost estimates we discovered that the School of Political and the Library School would require almost exactly the same space which will be available in the proposed east wing of Harper. We used Mr. Brock's cost figures for that building as a basis of the cost figures in the Library School Report which is already in your hands.

The space figures for the various departments are based on the assumption that each full professor and associate professor will have an office in the departmental building. It is assumed that the assistant professors and instructors will have studies in the Library School. Hence they are not provided for in these estimates except in one case, the School of Political, where the figures turned in by Mr. Merriam and which we have used provide offices for both associate and assistant professors in the School building.

Very truly yours,

Ernest L. Riddle

COST OF BUILDINGS

43

| | Building | Equip't | Endow't | Total |
|---|--------------------|-------------------|--------------------|--------------------|
| Chemistry | | | | |
| 1) <u>East wing</u> | | | | |
| 112x56x60x60 | 225,800 | 22,600 | 112,800 | 361,200 |
| 2) <u>West wing</u> | | | | |
| 190x56x72x60 | 416,400 | 42,000 | 208,200 | 666,600 |
| 3) <u>Both wings</u> | 642,200 | 64,600 | 321,000 | 1027,800 |
| 4) <u>West wing to north line of east wing.</u> | | | | |
| 124x56x72x60 | 300,000 | 30,000 | 150,000 | 480,000 |
| 5) <u>East wing plus 4)</u> | 525,800 | 52,600 | 262,800 | 841,200 |
| <hr/> | | | | |
| Mod. Lang. with double deck base't. | | | | |
| 138x64x80x60 | 423,936 | 42,393 | 211,968 | 678,297 |
| with single deck base't, 10% less than above | 381,543 | 38,154 | 190,771 | 610,469 |
| <hr/> | | | | |
| Social Science | | | | |
| 138x64x80x60 | 423,936 | 42,393 | 211,968 | 678,297 |
| or | | | | |
| 160x64x80x60 | 491,520 ✓ | 49,152 | 240,760 | 781,432 |
| <hr/> | | | | |
| Administration Bldg | | | | |
| 216x60x64x60 | 497,664 | | | |
| Tower | | | | |
| 60x60x25x60 | 54,000 | | | |
| Margin of safety | 551,664 | 55,000 | 275,000 | 900,000 |
| | 550,000 | 75,000 | 275,000 | 900,000 |
| | 600,000 | 60,000 | 300,000 | 960,000 |

COST OF BUILDINGS

| Chemistry | Building | Equipment | Other |
|---|----------|-----------|-----------|
| 1) East wing | 325,000 | 22,000 | 112,000 |
| 112x60x60 | | | 361,000 |
| 2) West wing | 325,000 | 22,000 | 112,000 |
| 112x60x60 | | | 361,000 |
| 3) Both wings | 642,000 | 44,000 | 224,000 |
| 224x60x60 | | | 1,010,000 |
| 4) West wing to North line of East wing | 300,000 | 20,000 | 150,000 |
| 124x60x60 | | | 480,000 |
| 5) East wing plus 4) | 325,000 | 22,000 | 262,000 |
| 124x60x60 | | | 641,000 |
| 6) East wing with double deck base | 422,000 | 42,000 | 211,000 |
| 128x60x60 | | | 675,000 |
| 7) East wing with single deck base | 381,000 | 38,000 | 180,000 |
| 128x60x60 | | | 610,000 |
| 8) Social balcony | 422,000 | 42,000 | 211,000 |
| 128x60x60 | | | 675,000 |
| 9) Social balcony or | 422,000 | 42,000 | 211,000 |
| 128x60x60 | | | 675,000 |
| 10) Administration plan | 121,000 | 12,000 | 60,000 |
| 121x60x60 | | | 203,000 |
| 11) Tower | 121,000 | 12,000 | 60,000 |
| 121x60x60 | | | 203,000 |
| 12) Main entrance | 121,000 | 12,000 | 60,000 |
| 121x60x60 | | | 203,000 |

Cubic contents of buildings now in process :--

| | |
|-------------------------|------------|
| Field House..... | 3,103,000. |
| Theology | 691,123. |
| Divinity Chapel | 138,000. |
| Zoology..... | 168,000. |
| Hospital | 6,660,000. |
| University Chapel | 1,000,000. |

11,760,123.

Public contents of buildings now in progress :-

| | |
|-------------------------|--------------|
| Field House..... | £3,100,000. |
| Geology | £21,125. |
| Divinity Chapel | £20,000. |
| Geology..... | £20,000. |
| Hospital | £,500,000. |
| University Chapel | £,000,000. |
| | <hr/> |
| | £11,750,125. |

(COPY)

Blogg

Harold H. Swift
Union Stock Yards
Chicago

November 27, 1925.

Mr. B. E. Sunny
212 West Washington Street
Chicago, Illinois.

Dear Mr. Sunny:

The names of buildings I read last Tuesday night
are as follows:

| <u>Buildings</u> | <u>For Whom Named</u> |
|-----------------------------|------------------------|
| Cobb Hall | Silas Cobb |
| Kent Chemical Laboratory | Sidney Kent |
| Ryerson Physical Laboratory | Martin A. Ryerson |
| Snell Hall | Mrs. Henrietta Snell |
| Foster Hall | Mrs. Nancy Foster |
| Beecher Hall | Mrs. Jerome Beecher |
| Kelly Hall | Mrs. Elizabeth Kelly |
| Walker Museum | George C. Walker |
| Haskell Museum | Mrs. Caroline Haskell |
| Hull Biological Lab. | Miss Helen Culver |
| Yerkes Observatory | Charles T. Yerkes |
| Green Hall | Mrs. Elizabeth Kelly |
| Hitchcock Hall | Mrs. Charles Hitchcock |
| Bartlett Gym. | A. C. Bartlett |
| Mandel Hall | Leon Mandell |
| Mitchell Tower | J. J. Mitchell |
| Hutchinson Commons | Charles L. Hutchinson |
| Reynolds Club | Joseph Reynolds Estate |
| Blaine Hall | Mrs. Emmons Blaine |
| Harper Library | Wm. Rainey Harper |
| Rosenwald Hall | Julius Rosenwald |
| Ida Noyes Hall | LaVerne Noyes |

It is quite an honor roll of Chicago names.

In this connection, I attach herewith a booklet entitled, "Great University Memorials," which is issued by the University and which on page 15 shows some of the University memorial buildings, and on page 21 particularly outlines our present needs. The Modern Language Building and the great University Chapel have been provided, but all of the others are in the future. The illustrations are meant only to be suggestive and we are happy to confer with a donor in the architectural details. The proposed costs are also only suggestive as building costs, etc., are fluctuating at present.

Yours cordially,

(Signed) Harold H. Swift.

1929

(copy)

Ernest H. Smith
Union Stock Yards
Chicago

November 27, 1928.

Mr. H. E. Smyth
211 West Washington Street
Chicago, Illinois.

Dear Mr. Smyth:

The names of buildings I need last Tuesday night are as follows:

| For Union Stock | Buildings |
|------------------------|-----------------------------|
| Miss Cobb | Cobb Hall |
| Edith Ross | East Chemical Laboratory |
| Marion A. Pearson | Pearson Physical Laboratory |
| Mrs. Burdette Hall | Hall Hall |
| Mrs. Nancy Foster | Foster Hall |
| Mrs. James Becker | Becker Hall |
| Mrs. Elizabeth Kelly | Kelly Hall |
| George C. Walker | Walker Museum |
| Mrs. Caroline Marshall | Marshall Museum |
| Miss Helen Oliver | Hill Biological Lab. |
| Charles T. Yerkes | Yerkes Observatory |
| Mrs. Elizabeth Kelly | Green Hall |
| Mrs. Charles Nicholson | Nicholson Hall |
| A. C. Burdette | Burdette Gym. |
| John Marshall | Marshall Hall |
| J. J. Marshall | Marshall Tower |
| Charles E. Hutchinson | Hutchinson Gymnasium |
| Joseph Reynolds Katsos | Katsos Club |
| Mrs. James Wilson | Wilson Hall |
| Mr. Henry Dwyer | Dwyer Library |
| John H. Marshall | Marshall Hall |
| Lester Rogers | Ida Rogers Hall |

It is quite an honor roll of Chicago names.

In this connection, I attach herewith a booklet entitled, "West University Memorial", which is issued by the University and which on page 18 shows some of the University's essential buildings, and on page 21 particularly outlines our present needs. The Modern Language Building and the Great University Chapel have been provided, but all of the others are in the future. The illustrations are meant only to be suggestive and we are happy to confer with a donor in the architectural details. The proposed costs are also only suggestive as buildings costs, etc., are fluctuating at present.

Yours cordially,

(Signed) Ernest H. Smith.

Buildings

COST OF BUILDINGS

On basis of figures submitted by Mr. Hodgdon, Trevor Arnett and J. Y. A.;
recommend the figures in red be used in revised schedule as of Oct. 1, 1925.

| Building | Price per cu.ft. | Cubic Contents | Cost to Build | Cost to Equip | Cost to Endow | Total | |
|----------------------------------|---------------------|-------------------|------------------|------------------|------------------|-----------|-----------|
| Modern Languages | 60¢ | 747,520 | 450,000 | 50,000 | 250,000 | 750,000 | |
| | | | 450,000 | 50,000 | 250,000 | 750,000 | 750,000 |
| Social Science | | | | | | | |
| Section A | 60¢ | 732,368 | 439,420 | 51,265 | 219,710 | 710,395 | |
| | | | 440,000 | 50,000 | 220,000 | 710,000 | |
| Section B | 60¢ | 295,680 | 177,408 | 20,697 | 88,704 | 286,809 | |
| | | | 180,000 | 20,000 | 90,000 | 290,000 | |
| Total | | 1,028,048 | 616,828 | 71,962 | 308,414 | 997,204 | |
| | | | 620,000 | 70,000 | 310,000 | 1,000,000 | 1,000,000 |
| Mathematics | | | | | | | |
| Section A | 60¢ | 200,800 | 120,480 | 8,132 | 60,240 | 188,852 | |
| | | | 120,000 | 10,000 | 60,000 | 190,000 | |
| Section B | 65¢ | 349,680 | 227,292 | 30,407 | 113,646 | 371,345 | |
| | | | 230,000 | 30,000 | 115,000 | 375,000 | |
| Section C | 65¢ | 559,860 | 363,909 | 39,190 | 181,955 | 585,054 | |
| | | | 365,000 | 40,000 | 180,000 | 585,000 | |
| Total | | 1,110,340 | 711,681 | 77,729 | 355,841 | 1,145,251 | |
| | | | 715,000 | 80,000 | 355,000 | 1,150,000 | 1,150,000 |
| Chemistry | | | | | | | |
| Section A | 65¢ | 381,920 | 248,248 | 38,192 | 124,124 | 410,564 | |
| | | | 250,000 | 40,000 | 125,000 | 415,000 | |
| Section B | 65¢ | 243,600 | 158,340 | 24,360 | 79,170 | 261,870 | |
| | | | 160,000 | 25,000 | 80,000 | 265,000 | |
| Section C | 65¢ | 478,800 | 311,220 | 47,880 | 155,610 | 514,710 | |
| | | | 315,000 | 50,000 | 155,000 | 520,000 | |
| Tower | 65¢ | 78,400 | 50,960 | 7,840 | 25,480 | 84,280 | |
| | | | 50,000 | 10,000 | 25,000 | 85,000 | |
| Total | | 1,182,720 | 768,768 | 118,272 | 384,384 | 1,271,424 | |
| | | | 775,000 | 125,000 | 385,000 | 1,285,000 | 1,285,000 |
| Administration Building | 68¢ | 1,006,560 | 684,460 | 111,034 | 342,230 | 1,137,724 | |
| | | | 685,000 | 115,000 | 350,000 | 1,150,000 | 1,150,000 |
| School of Education | | | | | | | |
| Section A | 65¢ | 534,630 | 347,509 | 37,424 | 173,754 | 558,687 | |
| | | | 350,000 | 40,000 | 175,000 | 565,000 | |
| Section B | 65¢ | 240,000 | 156,000 | 16,800 | 78,000 | 250,800 | |
| | | | 160,000 | 20,000 | 80,000 | 260,000 | |
| Total | | 774,630 | 503,509 | 54,224 | 251,754 | 809,487 | |
| School of Education Gymnasium | 38¢ | 845,664 | 318,549 | 58,173 | 159,274 | 535,996 | 825,000 |
| | | | 320,000 | 60,000 | 160,000 | 540,000 | 540,000 |

6,700,000
7,000,000
300,000 H. Plant
350,000 College
17,500,000

COST OF BUILDINGS

On basis of figures submitted by Mr. Hodgdon, Trevor A. and J. Y. A. :
 recommend the figures be used in revised schedule as of Oct. 1, 1925.

Building Price
 per cu.ft. Concrete Build
 Cost to Equip
 Cost to Total

| | | | | |
|-------------------------------|-----------|-----------|---------|-----------|
| Modern Buildings | | | | |
| 604 | 727,320 | 150,000 | 50,000 | 750,000 |
| 604 | 727,320 | 150,000 | 50,000 | 750,000 |
| Social Science | | | | |
| Section A | 604 | 727,320 | 150,000 | 750,000 |
| Section B | 604 | 727,320 | 150,000 | 750,000 |
| Total | 1,024,640 | 300,000 | 100,000 | 1,000,000 |
| Mathematics | | | | |
| Section A | 604 | 727,320 | 150,000 | 750,000 |
| Section B | 654 | 727,320 | 150,000 | 750,000 |
| Section C | 654 | 727,320 | 150,000 | 750,000 |
| Total | 1,988,960 | 450,000 | 150,000 | 1,500,000 |
| Chemistry | | | | |
| Section A | 654 | 727,320 | 150,000 | 750,000 |
| Section B | 654 | 727,320 | 150,000 | 750,000 |
| Section C | 654 | 727,320 | 150,000 | 750,000 |
| Tower | 654 | 727,320 | 150,000 | 750,000 |
| Total | 2,740,880 | 600,000 | 200,000 | 2,500,000 |
| Administration Building | | | | |
| 684 | 1,000,560 | 684,460 | 111,000 | 1,150,000 |
| School of Education | | | | |
| Section A | 654 | 727,320 | 150,000 | 750,000 |
| Section B | 654 | 727,320 | 150,000 | 750,000 |
| Total | 1,355,640 | 877,320 | 300,000 | 1,000,000 |
| School of Education Gymnasium | | | | |
| 684 | 1,000,560 | 684,460 | 111,000 | 1,150,000 |
| 684 | 1,000,560 | 684,460 | 111,000 | 1,150,000 |
| Total | 2,001,120 | 1,368,920 | 222,000 | 2,000,000 |

For Dean Gray:

NEW DEVELOPMENTS

1. In Education - Dean Gray has complete information

2. Undergraduate Dormitories:

The money is in hand for their construction, and a detailed plan has been drawn, showing two units, each to accommodate 400 students. The buildings are located south of the Midway.

3. Oriental Institute:

A grant of \$1,985,000 has assured the Institute of a new building and annual funds to maintain its research projects for the next ten years, and endowment for teaching.

4. Epstein Art Institute:

One million dollars has been received to create an art center at the University. It is not the intention that this Institute will in any way conflict with the functions and activities of the Art Institute of Chicago. It is rather hoped and expected to aid and enlarge the usefulness of the Art Institute by stimulating an informed and lively interest in art.

5. Social Science Research Building:

The building is similar in exterior to Wieboldt Hall which is at the west end of Harper Library. Dedicatory exercises were held December 16 and 17, 1929, and is now the research workshop of the Departments of Philosophy, History, Sociology, Economics, Political Science, and the School of Social Service Administration.

6. Eckhart Hall:

This building is advancing rapidly and contractors expect to complete it by May 1. The Departments of Mathematics, Physics, and Astronomy will probably move into their new quarters early in June.

7. Jones Chemical Laboratory:

Dedicatory exercises were held at the same time as those for the new Social Science Research Building, December 16 and 17. One feature, rather new to laboratory buildings at the University, is that this building includes a meeting place for students of the Department.

8. Botany Greenhouses, and Laboratories:

The Greenhouses have been completed for sometime and are now in use. The Laboratory building on Ingle side Avenue will be complete May 1.

For Dean Gray:

NEW DEVELOPMENTS

1. In Station - Dean Gray has complete information

2. Undergraduate Dormitories:

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5. Social Science Research Building:

The building is similar in exterior to Weisfeld Hall which is at the west end of Harper Library. Dedication exercises were held December 16 and 17, 1929, and is now the research workshop of the Department of Philosophy, History, Sociology, Economics, Political Science, and the School of Social Service Administration.

6. Eckhart Hall:

This building is advancing rapidly and contractors expect to complete it by May 1. The Departments of Mathematics, Physics, and Astronomy will probably move into their new quarters early in June.

7. Jones Chemical Laboratory:

Dedication exercises were held at the same time as those for the new Social Science Research Building, December 16 and 17. One feature, rather new to laboratory buildings at the University, is that this building includes a meeting place for students of the department.

8. Botany Greenhouses, and Laboratories:

The greenhouses have been completed for sometime and are now in use. The laboratory building on High Side Avenue will be complete May 1.

Memorandum for Dean Gray:

9. Bobs Roberts Memorial Hospital for Children:

This three and six story structure is to be completed March 1 and ready for occupancy April 1. It will provide 80 beds for children, large out-patient department, teaching and research facilities for the new Department of Pediatrics. It will deal primarily with the medical and hygienic care of diseased children.

10. The Chicago Lying-in Hospital:

Ground for this building was broken early in the Fall of 1929. The contractors report that the building will be completed about December 1 of 1930. It is constructed across from the Bobs Roberts Memorial Hospital, facing the Midway between Drexel Avenue and Maryland Avenue. While in the strictest sense it does not "belong" to the University, its relationship through affiliation with the University is so close as to warrant its inclusion under the heading of "University buildings."

11. The McElwee- Hicks Hospital:

The Nancy Adele McElwee Memorial and the Gertrude Dunn Hicks Memorial complete the east frontage on Ellis Avenue of the central medical group west of the towers. Both these units will be devoted to the surgical and corrective work on crippled and deformed children. Ground broken February 19, 1930.

Memorandum for Dean Gray:

9. Bobo Roberts Memorial Hospital for Children:

This three and six story structure is to be completed March 1 and ready for occupancy April 1. It will provide 80 beds for children, large out-patient department, teaching and research facilities for the new Department of Pediatrics. It will deal primarily with the medical and hygienic care of diseased children.

10. The Chicago Lying-in Hospital:

Ground for this building was broken early in the fall of 1929. The contractors report that the building will be completed about December 1 of 1930. It is constructed across from the Bobo Roberts Memorial Hospital, facing the highway between Boreal Avenue and Maryland Avenue. While in the strictest sense it does not "belong" to the University, its relationship through affiliation with the University is no closer as to warrant its inclusion under the heading of "University buildings."

11. The McKimwood-Hicks Hospital:

The Nancy Atala McKimwood Memorial and the Gertrude Dunn Hicks Memorial comprise the east frontage on Ellis Avenue of the central medical group west of the towers. Both these units will be devoted to the surgical and corrective work on crippled and deformed children. Ground broken February 19, 1930.

BUILDING NEEDS

1. Nurses' Home \$1,000,000

Provision of a nurses' home is an essential part of a well run medical enterprise. Here it has a triple function: it houses those who take care of the sick in the hospital in an attractive and convenient home; it gives to young nurses during the period of study a controlled environment and the advantage of living together and with older nurses; and finally, it offers housing facilities to graduate nurses doing special work in the graduate school of nursing. It is an essential part of the medical enterprise and is needed immediately.

2. Hygiene and Bacteriology Building \$1,000,000

Prevention of disease is more economical than cure of disease. This is precisely the approach of this department which is concerned with public health. The maintenance of public health depends on understanding the nature and spreading of the bacteria which cause epidemics and its continuous endeavor toward the prevention of contagious disease. Important work is now under way on influenza, infantile paralysis and other terrible infectious diseases. This department asks a place to work as a means of continuing its admirable work in the prevention of disease and the promotion of public health.

3. Psychology Building \$1,000,000

Located now in an old and utterly inadequate house, the department of Psychology needs urgently a modern and adequate place to work. Psychology studies the individual human personality, the wellsprings of its action, the measurement of its possibilities, and may be expected to offer important suggestions as to the means of directing personality into useful and happy expression. This building is an essential tool in the progress of effectual research.

4. Home Economics Building \$750,000

Everyone agrees now that problems of the home, no less than problems of business and industry, need study and research. Rule of thumb methods will no longer do. The scarcity of servants, the importance of good diet, methods of child care, must all be subjects of effective teaching and systematic research. From the standpoint of the undergraduate, this department opens a career to women students as teachers and also provides valuable training to girls who are to become wives and mothers. Important research work is now being conducted on the nutrition problems of children. Present housing of the department is ridiculously out of proportion to its national prominence and to its possible significance in the community. This is an urgent need.

5. Graduate School of Education \$1,100,000

This department suffers seriously from congestion and has maintained its leadership among American schools of education under unusual handicaps, especially those for space. The department has in every quarter the largest registration of graduate students of any department in the University. There is little space for laboratories and only one graduate library room.

BUILDING NEEDS

1. Nurses' Home \$1,000,000

Provision of a nurses' home is an essential part of a well run medical enterprise. Here it has a triple function: it houses those who take care of the sick in the hospital in an attractive and convenient home; it gives to young nurses during the period of study a congenial environment and the advantage of living together with other nurses; and finally, it offers housing facilities to graduate nurses doing special work in the graduate school of nursing. It is an essential part of the medical enterprise and is needed immediately.

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Everyone agrees now that problems of the home, no less than problems of business and industry, need study and research. The study of the home is not only a subject of importance, the importance of good diet, methods of child care, must all be subjects of active teaching and systematic research. From the standpoint of the undergraduate, this department opens a career to women students as teachers and also provides valuable training to girls who are to become wives and mothers. Important research work is now being conducted on the nutrition problems of children. Present housing of the department is entirely out of proportion to its national prominence and to the possible significance in the community. This is an urgent need.

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6. School of Commerce and Administration Building \$1,500,000

The scientific study of business is a steadily growing factor in American life, and a great opportunity exists to make of the School of Commerce and Administration at Chicago a unique institution in the West. A thoroughly first-rate school of Commerce will need adequate quarters. The present building, a remodelled club-house, will have to be removed to make way for the construction of the Oriental Institute. Funds for a new building are therefore urgently needed.

7. Administration Building \$1,000,000

This building has been called "the flagship of the University" and so it is. It would do for the University what the brain does for the man; it would permit of coordination and efficient direction of the now scattered offices of the administration group. It would, of course, be the center of the University's contacts with the outside world, with the thousands of visitors to whom it would stand as the symbol of the University.

8. Lecture Hall for Colleges \$1,000,000

This is an urgent need. It would give the colleges their individual, central meeting hall to provide lecture rooms seating 500 and 300, and a number of classrooms seating from 35 to 60 each. It would form an excellent center for the development of a unified undergraduate life. The space released in Cobb Hall by this building could be used to advantage for administrative offices and instructors' offices.

9. A Psychiatric Clinic Building \$3,000,000

Most people would agree that mental suffering is more painful and far more common than physical suffering and most people now know that the psychiatric clinic offers possibilities of help and healing as definite in its field as do the older departments of medicine. Maladjustments may range from slight depressions and psychoses to desperate manias and insanity, but all can be helped if intelligently approached and treated. Perhaps the greatest need in fact is for possibility of help and advice in case of minor personal maladjustments. Leaders in medicine see this as one of the great future developments of the science. Here, then, is a unique opportunity to assist in a pioneer effort of great potentiality for human happiness.

10. Student Health Service--Infirmery \$500,000

The present student health service is housed in the Albert Merritt Billings Hospital and the space which it uses will shortly be needed for extension of the regular activities of the Clinics. Therefore, an infirmery, near the hospital, to provide for sick students, is needed. This an important opportunity to be influential in the lives of young men and women. The building could of course be named at the direction of the donor.

11. Law Building \$500,000

Since the present Law Building has never been named, this gift would carry the name privilege for the building. The future of the Law School is evidently to be as bright and distinguished as its past, inasmuch as the recent extraordinary gift of \$400,000 to endow the John P. Wilson Professorship of Law will add one more distinguished jurist to the staff.

6. School of Commerce and Administration Building \$1,800,000

The scientific study of business is a steadily growing factor in American life, and a great opportunity exists to make of the School of Commerce and Administration at Chicago a unique institution in the West. A thoroughly first-rate school of Commerce will need adequate quarters. The present building, a remodeled club-house, will have to be removed to make way for the construction of the Oriental Institute. Funds for a new building are therefore urgently needed.

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8. Lecture Hall for College \$1,000,000

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Most people would agree that mental suffering is more painful and far more common than physical suffering and most people now know that the psychiatric clinic offers possibilities of help and healing as definite in its field as do the other departments of medicine. Mental ailments may range from slight depressions and psychoses to desperate mental and insanity, but all can be helped if intelligently approached and treated. Perhaps the greatest need in fact is for possibility of help and advice in case of minor personal maladjustments. Leaders in medicine see this as one of the great future developments of the science. Here, then, is a unique opportunity to assist in a pioneer effort of great potentiality for human happiness.

10. Student Health Service--Infirmary \$250,000

The present student health service is housed in the Albert Einstein Building Hospital and the space which it now will shortly be needed for extension of the regular activities of the clinic. Therefore, an infirmary, near the hospital, to provide for sick students, is needed. This an important opportunity to be influential in the lives of young men and women. The building could of course be named at the discretion of the donor.

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12. Geography Building \$1,000,000

Geography deals with the relationship of man to his environment,--to the configuration of the earth, its plains, rivers, oceans, mountains; to its plant and animal life; to its fuel and building resources. It is at once a natural and a social science and its study is basic to economics. A good geographer is essential to business pioneering as he prevents costly mistakes and directs profitable effort. The present Geology Building, Rosenwald Hall, now houses the Geography Department also. But Rosenwald Hall is inadequate for both departments and does not provide the space or facilities precisely needed by Geography. Here is an unusual opportunity to support the work of this eminent department.

13. Contagious Hospital \$500,000

Funds are already in hand for part of this project and the addition of \$500,000 would carry with it the name privilege. A hospital for isolation and study of patients with contagious diseases is an important unit in the medical program. These diseases can and must be studied clinically as well as fundamentally in the bacteriology laboratories. This hospital would be an additional unit also for the most expert care of persons ill with contagious diseases.

14. High School Building \$1,200,000

The High School is part of the laboratory schools run under the Department of Education. Its present quarters are badly lighted and ill-ventilated, and it has maintained its position only by reason of its excellent corps of teachers. The addition of the new Bernard E. Sunny Gymnasium will relieve the strain on the physical education side of the work but the academic side is likely to suffer by contrast.

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14. High School Building \$1,300,000

The High School is part of the laboratory schools run under the Department of Education. Its present quarters are badly lighted and ill-ventilated, and it has maintained its position only by reason of its excellent corps of teachers. The addition of the new Bernard E. Barry Gymnasium will relieve the strain on the physical education side of the work but the academic side is likely to suffer by contrast.