











Regional Cultural History Project

Herbert Bismarck Foster

THE ROLE OF THE ENGINEER'S OFFICE IN THE DEVELOPMENT OF THE UNIVERSITY OF CALIFORNIA CAMPUSES

An Interview Conducted by Amelia Roberts Fry

Berkeley

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INTRODUCTION

This tape-recorded interview with Herbert Bismarck

Foster, conducted in 1960, was aimed at two historical

targets: one the portrayal of life in the University of

California as it grew from a simple Berkeley campus to a

many-appendaged educational system, the other a recon
struction of two rather intriguing nineteenth century

figures of the West, the parents of Mr. Foster.

About the same time that Mr. Foster's mother was jogging in the packsaddle of an ox from Winnipeg, Canada, to Fort Walla Walla with her famous father, James Sinclair, Mr. Foster's father, Hugh Foster, was fleeing Germany and threatened conscription in the Prussian army with boyhood companion Henry Miller. The ship he grabbed happened to go to Australia, and from there on his life was adventure incarnate: gold prospecting in Australia, running a stage company during the California gold rush, speculating in the Comstock, exploring the Amazon, heading the Pacific Union Club in San Francisco, and finally "settling down" to act as adjustor for the San Francisco Board of Trade.

A graph of his own erratic financial history would make this nation's fluctuations appear tranquil and smooth. But the sustaining thread through it all is his friendships: there were Levi Strauss, Adolf Sutro, Daniel Meyer the banker, James Fair, and Henry Miller the rancher. There

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is also a brief but explosive encounter with Samuel Clemens, and a supreme disillusionment with Michael DeYoung.

Herbert Foster tells here about pre-earthquake theater in San Francisco, then takes us to the University of California where he shows how a boy with no parental subsidy but considerable agility could juggle enough parttime jobs to get through to his degree in the early 1900's. In manhood that boy becomes the University engineer, and it is this role that enables Mr. Foster to show us the vital personal interest in the University by the Hearsts up north and the Scripps down south that was lavishly translated into dollars for the University's needs. Mr. Foster also enables us to learn of the insistence by the South for a university, to witness the enormous human resources pooled to provide its physical beginnings, and to marvel with some nostalgia at the seeming simplicity with which early decisions were made in setting the first layouts of a great university.

Like nearly all research, this interview has its serendipity--the part played by Mr. Foster as engineer for the Bear Gulch Water Company and later for the East Bay Water Company in proposing solutions to the water shortages then plaguing the East Bay.

Mr. Foster proved a willing subject for the interyiews, most of which were held in his Berkeley home. In the sedate and spacious stucco house overlooking the Bay, ta lau a brief but explosive encounter with Samuel Cicmena, and a payerme disillusionnent with Michael DeFounc.

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one can see reflections of his sustained interest in the University--photographs of campus scenes and persons, a stack of papers here and there denoting his personal records and writings about the physical development of the University. A vigorous man who loves to fish and camp in the state whose map he could almost draw with eyes closed, he is the devoted admirer of all the neighborhood small fry, whom he furnishes with toy guns, swords, bird houses, and put-together toys from his basement workshop. In fact, nearly every interview was interrupted with a small voice at the door, "Isn't it time for our tea party?"

The typed interviews were edited only for chronological order and for ambiguities which are inevitable when the spoken word is directly transcribed. Mr. Foster had written out part of the section on his father beforehand, and this was put into the transcript verbatim with questions inserted to keep consistent the interview medium. Mr. Foster went over the typed copy for any additions or corrections to be made before the final typing.

To add to its value as a historical document of the University, Mr. Foster's own written story of the birth of the "Big C" and his accounts of the development of the University Athletic Fields have been appended.

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Conducted by the Regional Cultural History Project under the academic supervision of Professor Walton E.

Bean and the administrative supervision of the Librarian of the University of California Library, this interview was part of a series done for the Centennial History of the University of California.

Amelia Roberts Fry Interviewer

Regional Cultural History Project University of California General Library, Berkeley September 15, 1960 Conducted by the legional Cultural History Project under the academic supervision of Professor Pelton 5. Sean and the administrative supervision of the Librarian of the University of Colideral Library, this interview was part of a series of the Contonnial History of the University of California.

Anelia Roberts for Interviewer

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FAMILY

Mother, Mary Sinclair

Fry: Since your maternal grandfather was James Sinclair of the Hudson's Bay Company, perhaps you would like to begin by telling some of the family stories about the party he led across Canada to Fort Walla Walla in 1854.

Foster: Well, my mother, Mary Sinclair, was about four and a half years old at the time they all left. Her little sister Jennie was only about a year and a half. It is this sister Jennie who tells about a trip she later made east in 1923 to see an old half-sister who had kissed her goodbye and pinned a new bonnet on her as she was put in the packsaddle of the pack train at Fort Gary--now Winnipeg, Canada.

Fry: Wasn't there a wagon train?

Foster: No. It was all done on horseback and pack animals;
like most of those trips out in those early days, they
could not take wagons because there was no road. In
places where the brush and timber were thick, they
would have to cut the brush and trees down so the
wide-horned cattle could get through.

Fry: Oh, they used longhorns then?

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ry: ", iney mass longhors that?

Foster: Yes.

Fry: And although they were going on the trail----

Foster: Well, I was just going to mention that there was really no established trail. They would go just in certain directions. They made their own trail mostly as they pursued their journey.

Fry: Oh, I see. Well, your grandfather James Sinclair had gone a few years before, hadn't he?

Foster: He had been west on several trips previous to this one particular trip in 1854; he had made many trips starting in 1830. He is known as the pathfinder of the Hudson's Bay Company.

Fry: And he was more or less the leader of the party, wasn't he?

Foster: He was the leader of the party. Yes, he was in charge of the party.

Fry: Did your mother remember very much of this?

Foster: Oh, I had heard some tales. I don't recall too much.

You see, James Sinclair, after his education in

Edinburgh, Scotland, returned to Fort Gary; he took

up the fight for free trade and individual liberty

and reasonable government for those trafficking in furs.

Fry: In Canada.

Foster: In Canada. And he was the accepted leader of this movement. And he carried it on with much sacrifice to himself. He even took the fight to the throne and

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Poster: well, I was just coing to menuich that the was equily no detablished trail. They would no just in detain directions. They hade the in trail mostly is they prespection.

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nstel: ... baises. And he es the accented leader of this movement. And he carried it on with much sacrifice to himself. He even took the fight to the throng and

Foster: Parliament in England. It is mentioned in the records-"even to the steps of the throne." And that's how he
got the name from Bryce--the title of "The Hampden of
Red River". My cousin tells about it in a paper in
Bancroft Library there at the University.

Fry: Do you know what this "free trade" refers to? Did he want fewer restrictions by the Hudson Bay Company?

Foster: He wanted fewer restrictions by the Hudson's Bay
Company so the trappers had a freer hand in their
dealings with the Indians and with the American
trappers that were coming up into that country. There
was the fight with the Astor Company and with the
American Fur Company. Then also the independent
American trappers that were coming up into that country.

Fry: What were the restrictions? Do you know?

Foster: No.

Fry: They were governmental?

Foster: Yes. Governmental in the way that they were placed by the Hudson's Bay Company, which had originally received the grant from England.

Fry: Now, when your mother was in Walla Walla she went to school and completed her schooling at a missionary school, is that right?

Foster: I think it was a Methodist convent at The Dalles on the south side of the Columbia River in Oregon.

Fry: That was around 150 miles away from Fort Walla Walla?

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the scuth sice of the Columbia Aver in Oregon.

Was sround life ower transcort sales alors

Foster: It was probably 100 miles downstream from Fort Walla
Walla. At her father's death she continued her
schooling there and she was there during the time of
the Civil War. I had heard her relate stories that
the students within the walls of the school would
listen for the town crier to come by to report the
news of the Civil War activities. Incidentally, I
heard my mother say that Ulysses S. Grant was stationed
by the United States in some of the forts and areas
in the North and lived for a time at Fort Walla Walla.

Fry: Before the war?

FFoster: Yes, she had mentioned that she and her sisters used to sit on his knee; he was very fond of children.

Fry: He lived right in the Fort Walla Walla, then.

Foster: Both Walla Walla and Fort Vancouver.

Fry: You say that after her father was killed by the
Indians, your mother went ahead and finished her
schooling. Did she continue to live at Fort Walla
Walla?

Foster: I don't think so. I think after she finished her schooling she got a job with the school department of Multnomah County, Oregon, and taught in the Portland schools. I have in my records her first teacher's certificate for teaching in the Portland schools. It is dated December 4, 1870, and signed by E.C. Anderson,

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Foster: county school superintendent.

Fry: Do you remember any of her teaching experiences?

Foster: Her teacher's certificate certified that "Miss Mary Sinclair is of good moral character" and that she had passed an examination in the following branches: orthography, reading, writing, geography, English, grammar, mental arithmetic, written arithmetic, mental algebra, modern history, and teaching.

Father, Hugh Foster

Fry: I believe you mentioned to me once that your father came from Germany. What was his name?

Foster: Hugh Foster. Perhaps it was "Forester" in Germany.

I don't know very much about his family, except that
he was born in Magdeburg, Germany in 1830, One of his
boyhood playmates was a Henry Miller, son of a butcher.
When the two boys were nearing the age when they would
be forced into compulsory training in the Prussian
army, they decided to run away from home, and Henry
Miller got passage to the United States and finally
got to California and the Pacific Coast, and of course
started a butcher shop in San Francisco. With a
butcher shop he needed cattle and sheep, so naturally
he began to acquire ranches when he could. When I

The teacher and of her selected each of the constant of the co

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Foster: was a boy he and his partner Lux owned or operated over 3,000 acres of ranches.

But my father, in running away from home, got on a boat that took him to Australia. I have often heard him say that in those days in Australia one always had to be on the alert for thugs. He said that when he was working and he was accosted, he would turn and knock the man down and then ask what he wanted.

And my father could probably do just that, too.

He was a very powerful man. At least that is the way

I remember him from my boyhood. His chest and arms

were heavily covered with hair--and he was a six
footer and must have weighed 190 or 200 pounds.

Fry:
Foster:

What did your father do in Australia for a living?

He was a gold prospector. He often told me that it

was his mining partner who found the largest gold

nugget ever found in the world. In fact, in 1959 I

located a gold nugget exhibited in the Mining Exhibit

in the Ferry Building in San Francisco, but the name

of the discoverer was not given; it was named "Welcome

Stranger", and was found at Mohagul, Victoria,

Australia on February 5, 1869 and weighed 2516 ounces

Troy and was valued at \$46,428. It was the largest

nugget of gold of which there is authentic record.

Was it his interest in gold that led him to San

Fry: Was it his interest in gold that led him to San Francisco?

Usten: was a boy it am in the transfer and the companies of remembers.

The my father. In running awar from hous, ot on a beest first book him to Anathalis. - Lave then he had been beend in any that is truck dard in further the father of the relation of which we wenking and he was successful, a rould but out invoke the same time and then as in the content.

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Fry: You mean a stage coach line?

Yes, hauling passengers and freight to and from the Foster: mining areas in California. I don't know what the name of his company was. One line, I remember, was from the lower Sacramento Valley into the Sierras to the gold country via Valley Springs, San Andreas, Mokelumne Hill, Jackson, Sutter Creek, Placerville, Grass Valley, Nevada City, and then to Columbia and There was another San Andreas branch over the Sierras. that went from there to Fourth Crossing, Angels Camp, Vallecito, and Mariposa and on in that direction. Later on in the sixties he had a hand in the new line from Redding to Oregon -- there was gold along the Trinity and Klamath Rivers then -- and this original route between California and Oregon was used until the highway over the Siskiyou Mountains via Yreka and Weed was constructed. Then there was also another branch of that which went down the Klamath River to Happy Camp, and apparently my father drove this route for several years.

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Delieve ho aid and autuar minist, hower-r; he and always interested in horses, so he went into the transportation business.

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Foster: There were a number of those little stage lines that sprang up about that time, or later. My father's must have been one of nearly a dozen.

Fry: You said once that your father would take you on trips occasionally up on his old stagecoach trails and tell you some stories there of all sorts of interesting people: Black Bart, and Joaquin Murrietta...

Foster: Well, particularly Black Bart--or Bolton, which was his real name. But my father and he became very close friends in San Francisco in later days.

Fry: Did you meet him too?

Foster: No, although I had been informed by an old judge in Calaveras County that Bolton was sent up from Calaveras County to San Quentin in 1880, but was released about 1885 and soon after died.

Fry: So he died right after you were born. Well, can you add any to the Black Bart lore?

Foster: No, no new stories about him.

Fry: Did your father keep this stagecoach line for several years?

Foster: Yes - during the fifties until the Comstock boomed.

Then for awhile he was in Virginia City and the Comstock, in the sixties.

Fry: Was he engaged in mining there?

Foster: I am not sure just what he was doing there. I remember

- Fust : Fure vere name of this continue that a stance appears to the thine, or later. Ty father's rest tove been of name of name of ozen.
- The residence that car father would take you on this occasionally as an its of charcosch trailer and lead you so e storfer there of our sorts of interesting neones: Black Took, and Jusquin Juriott ...
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 Hen for subtle be was in Virginia City and the constitution.
 - rrw: las he engaged in mining there?
- Pater: I am not sure just what he was doing there. I renember



THE HILLSIDE GANG
INSTIGATORS OF THE "BIG C"



Foster: he mentioned doing some reporting on mining properties somewhere in the fifties or sixties.

Fry: Someone told me that your father knew Mark Twain in Virginia City. Do you have any "Twainiana" to pass along?

Well, he often told one story about Mark Twain. My Foster: father was only about five years older than Samuel Clemens. He said Clemens was an avid practical joker, and one night in Virginia City, as Clemens came out of the newspaper office of the Territorial Enterprise, he saw a large wooden packing case on the sidewalk in front of the office. The boys were whooping it up in the saloons across the street, probably the Silver Dollar or the Bucket of Blood. Clemens stretched a string or wire across the street to the opposite sidewalk and then hid in the packing box. Of course, he didn't have to wait long. Some of the men came out of the saloon and started down the street. One of the men tripped over the wire and fell flat on his face -- and that man happened to be my father. He got to his feet, mad as a bull and twice as strong. He made a beeline to the packing box, dragged Samuel Clemens out and started to give him the beating of his life. But the others interceded and probably saved Clemens from further harm or even his death.

Poster: te metioned doing some reporting en minim promettes se cwhere in the fifties or sixties.

Thrific lit. To your lather 'Twainiana" to loss alone?

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Well, e i talf are story obcut Mark Twein. facat new ment five your lier Want andaft Cloudic. To solid Olemers was an avid praction; end me first in Arthite Mits, as Clercus core at of the margardy of the a with the grant Interpretate. be but a control of the section to case on the sector in it front of the ceffice. The hope were macrifice if m in the sale and former to since, probable the salver Bollant to Lie bricket of the . Themens the tretted string a wire served to eather the the spaceatte side the sud then hit in the nearly obox. Of attruct easo in or it is of . Lot its of erriging ear int of the salton is it rted down the struct. The if will not it find bus out. and never boucing and bit 'accession that the sent to be in it there is to to to ic as seet, has as a har are to do as attente. He and a beeline to the meeting has arreed down 1 The case out and starte of the line tre beeting . The Wis like. But the there interected and probably served the car from farther a me or even his deetle.

Fry: That was a rather spectacular encounter with Clemens' destiny, wasn't it?

Foster: I have often thought about this episode and the men who saved Clemens so he could carry on his wonderful and successful career.

Fry: Do you know where your father went after his Virginia City days?

Foster: About 1870 my father returned to Germany and fought with the Prussian army in the Franco-Prussian War.

His father was apparently high up in the Prussian army and was an aide to Prince Otto Leopold von Bismarck, the founder of the German Empire. Then at the close of the war, he joined an expedition to South America to explore the Amazon River.

Fry: Your father certainly wasn't the type to let grass grow under his feet.

Foster: No, he always had the wanderlust. During my childhood, much later, he was always coming and going, and I was told by his friends that he made and lost fortunes with the best of them. I remember him as a rugged individual and never knew him to have any serious illness. When he had a cold or fever he simply treated himself with quinine or whiskey; once when he had a toothache, he disposed of it by taking the pliers and pulling out the siling tooth himself. He always

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Foster: wore a beard and sometimes a mustache, and he looked rugged all over.

Fry: This great vitality must have come in handy when he was exploring the Amazon.

Foster: Oh yes. Some of the most exciting times of my childhood were spent sitting on a hassock behind a chair
in our living room and listening to my father and
some of his old-timer friends recount their adventures.
That Amazon expedition traveled the entire length of
the Amazon, from its many mouths to its headwaters at
the top of the Andes. My father and another man left
the party, traveled to the Pacific Ocean and there
caught a steamer back to California.

Fry: It sounds as if there is a real story there.

Foster: He certainly had plenty of tales about it. There were so many hazards--poisonous flies and insects, men dying of jungle fever; and a boa constrictor strangled one of the men to death. Worst of all were the wild savages of the many tribes they contacted. It is a wonder any of them got back alive.

Fry: Just when did he stop long enough to marry your mother?

Foster: Well, right after the Amazon experiences. He traveled on north to Portland, Oregon, to contact the girl friend he had left several years before. He found her, Mary Sinclair, teaching school in Portland,

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Foster: Oregon, and married her and brought her to San

Francisco in 1873 where they made their home. There
he became manager of the Pacific Union Club.

Fry: What was the Pacific Union Club at that time? Who came?

Foster: Well, it was the "high faloy" or high-toned club of the financiers--the big men of San Francisco; it was the forerunner of later the Bohemian Club when it was started, which I understand was much more social.

Fry: Was the Pacific Union Club primarily a place for businessmen to meet?

Foster: I imagine so, yes.

Fry: That's how your father got to know so many outstanding businessmen, then, I guess.

Foster: Yes. My father was well known in San Francisco. He
was a very close friend of Levi Strauss, and I recall
as a youngster coming from school—the grammar school
and later from high school—I would go downtown and
meet my father and go home with him, mostly walk home
from there to our home on Eighteenth Street. And if
I met him at the office of Levi Strauss, I'd go way
back to Strauss' office in the rear of the store.
Levi Strauss used to tell me many stories of my father—
his gambling and wanderings—and told me he hoped that
I would not grow up like my father, or even like my

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Transisce in 1873 where they made their how. There
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Fr: Dat was the Pacific Union Club at that tive. The

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Foster: brother, who sort of followed in my father's footsteps,
a happy-go-lucky person. And it was primarily to Levi
Strauss that I owe my opportunity to go to the University
of California and receive a scholarship for the four
years I was there. He helped me get that scholarship.

Another place I enjoyed going to with my father was the office of Daniel Meyer, my father's banker. Daniel Meyer, a little Jew, wore a skull cap; also had his office in the rear of his establishment like Levi Strauss; his establishment was known as the Bank of Daniel Meyer. In those days the banks were owned and operated by individuals. I don't know what bank has since absorbed the Bank of Daniel Meyer. He told me stories of my father, of the gambling, and how my father would own blocks of real estate in San Francisco--then a few weeks later not have a cent, having gambled it away, and episodes of that sort. He told me of the early fires and the earthquakes in San Francisco and the trek the inhabitants would make out to the beach. You also visited the Sutros some, didn't you? Yes. Apparently my father was very close to Adolf Sutro. They got acquainted during the days of Virginia City, so there was a close tie to the Sutros; the families later visited back and forth. I know I enjoyed going as a child to the Sutro home on the heights above the

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bors i, who sort o' rollowed in my father! to thick .. 25 73 31 I so y- to-lucky person. And it was printle to be vi The contract to the tract of the the tract of the iformis and receive a scholardain for the impr tient I was tient. I nelone me tot but schilleshin. Another stack to anjoy in contact the think there we the confider of the full depair, mg it the tell waker. remitel signer, a little dew, norm a shall cep; slan men A. office in our guest of or the office in a military is trausas all cotto I becot was known in the Bank of De Det was the faith of the late of feing and this up a stack i lateralvible of Anteron. the charrie the Bang of Canel Styre. In toline option of the compath, and the remarkable, and the remild a limba of the of the or transfer are sent of If I will be a significant of the grade of the grade of the life. ong. or objectes of the sent. To the continue of the and the god to captionalist of the colors to the . Let the decident of the first of the state En along visite the sales and , didn't could Yes. The savidit may for the to your of the Adolf Brose. Truy and adjusted under the days of fresining ity, so there in a close til to bution; the families istor bryotan I won' T . . The Mood briteir gotal

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Foster: Cliff House and Seal Rocks. I liked the playthings, the swings and sand boxes and amusements that he had for his own children. I played with his children; I didn't know Mr. Adolf Sutro very well.

Another one of the old-timers was James Fair, of Virginia City. He lived out on Guerero street, near the top of the hill from Twenty-first street. We used to visit there; my father used to go there with another old friend, a miner friend of his who worked at Virginia City--a fellow by the name of Duncan; I don't recall his first name at all. But while the men were talking or having their drinks I know I'd wander in the gardens or I was given books to look at. I recall beautiful picture books--buildings and scenes and things of that sort; it's the only thing I remember of these visits.

Fry: Did your father ever tell you anything about Joaquin Murietta?

Foster: No.

Fry: Fritz Boehmer?

Foster: Yes, I was trying to recall the name last night. He was a childhood playmete of my father's in Magdeburg, Germany. He came out and did a lot in the development of Alameda. I recall in the early nineties when the family used to visit his old home in Alameda on the east end. Oh, the grounds and home occupied an entire block,

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Another one of the old-timens is a Jack Tire, of Jarrings Otter. We lived out to Gausers street. He reads to out to Gausers street. We used to Tie ton of the street. We used to Tie's tone; my father used to To Shere life and the out of the street of Tie's street. The thirty of the street of Tie's Ti

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Foster: a city block. And I recall picnics that we would have when we'd go to this home and when we'd drive up in the hills toward Leona Heights, the old extensive properties up there around Leona Heights.

Fry: Did your dad know Charles De Young or Michael De Young?

Foster: Michael De Young. Yes, I'd heard as a small child that there was a very strong antagonism between the two of them. And it was the outgrowth of, as I understood it, that my father had twice grub-staked Mike De Young, and the third time someone else had

grub-staked him and he made it or struck it rich.

And he never repaid my father, and in political meetings and things of that sort I've heard my father get up and talk from the floor, or get up on the platform, always very vicious against Mike De Young.

Fry: Was your father's rugged individualism reflected in his outlook on religion? Did he take part in the religious life of San Francisco?

Foster: I remember that he had many interesting talks and discussions with friends, such as Rabbi Meyer--his son became a noted Rabbi in San Francisco, Martin Meyer. And then there was a German Lutheran, Pastor Freundling, and a Catholic priest whose name I can't recall just now. They would all get together, and these discussions often would become quite heated.

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Foster: My father believed that Confucius and Mohammed had as many attributes and sound principles of living as had Jesus Christ, and that the Koran of the Mohammedans was as wonderful and as sincere and as powerful as was the Bible. He also hoped that other great and powerful leaders in the world would rise and do good in the future for all humanity.

Fry: He gathered his religious beliefs from many peoples, then. How did he happen to become so familiar with so many different faiths?

Foster: Oh, he was very well educated. I don't know where or how he got his education, but he spoke English, German, some French, and Greek and Latin. He often read aloud from his books on Roman And Greek history in the original language. I got my first taste of Greek myths from his reading them to me in the Greek and translating them on the spot. He also knew a great deal about history and mathematics.

But with all his learning, he had his superstitions. He never gave anyone a present or gift having a sharp edge or point. He believed that if one did that, it would pierce or sever their friendship. In giving me my pocket knives he would sell it to me for a penny, or something like that. In case salt was spilled he always put a pinch of it over his right shoulder.

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Fry: Was he interested in politics at all?

Foster: He must have been, at times at least. Especially during the nineties. I recall that he ran for some minor city office about 1896 when his good friend Sanderson was running for mayor. But I only have a child's impression-heated debates at meetings and things of that kind.

Fry: What sort of a person was he aroundhome?

Foster: Oh, he was the old Prussian soldier. When he called me I had to respond quickly and upon demand, come to attention with my head up, my body erect, and feet together at an angle. In this position I had to relate to my father any misdemeanor on my part, what I had been doing, and receive admonition or fatherly advice. But I don't remember his ever spanking me. His reprimands were more understanding and to the point than any spanking could have been, and he and I had a very happy relationship from our long walks around San Francisco.

He also bought most of the family's clothes-shoes, stockings, underwear, shirts, ties, hats,
suits, and yardage for dresses. Most of these things
he got when he was liquidating a store. When the
truck would make delivery it would look like we were
stocking a store. You see, right after I was born in

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Foster: 1885, he quit being manager of the Pacific Union Club and became an adjuster for the Board of Trade in San Francisco, auditing the accounts and disposing of the merchandise of firms that had failed. Also, he acted as an auditor in examining the books and records of business firms and counties. Some of his best customers were Levi Strauss Company, the W. W. Montague and Company—they sold stoves and hardware—and Miller and Lux at their various ranches throughout California.

Fry: So the two runaways from Germany did reunite eventually

Foster: Oh yes. And I spent many a good vacation on the Miller and Lux ranches.

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PRE-EARTHQUAKE SAN FRANCISCO

School Days with Herb Roth

Fry: You had mentioned beforehand knowing Herb Roth very well--the cartoonist. Was he a happy-go-lucky sort of man?

Foster: Very much so. Very, very much so.

Fry: You went around with him quite a lot, didn't you, because you were dating his sister?

Foster: Yes, on account of that tie with his sister, Irma
Roth. He was the younger brother, being possibly a
year and a half or two years younger than I; I dragged
him around and took him places in San Francisco,
showed him the bi-ways and pitfalls of San Francisco's
tenderloin district. But then he soon became a prima
donna on account of his work in caricature.

Fry: While he was still on the newspaper in San Francisco?

Foster: Yes. And then he went to New York.

Fry: By prima donna, you mean in his friendship with you?

Foster: Well, no--in his work. He went to the top. He rose very rapidly to the top in his line. I didn't go over to see him any more.

Fry: Did he go to the same high school you did?

Foster: Yes, the Polytechnic High School, when it was located at the southeast corner of Stockton and Bush streets.

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- the Polyteennic High tenons, when it was located
- t in statheast corner of thecaton and Paga streets.

Fry: He was there while you were there. Wasn't there an art teacher named Rosie Murdock who is credited with launching several artists of that period?

Foster: Yes. The head of the department was a Mrs. Van Fleck.

Then there was another teacher named Rosie Murdock-oh, such a sweet character of a girl. To all of us
she was always a girl. And everybody that went to
Polytechnic High School that had anything to do with
her really always had a warm spot for Rosie Murdock.

She was a pretty girl, but as I said, interested in
everything. At a party she was always one of the
girls.

I remember one thing about my school days that fellow classmates kid me about to this day. Our English teacher by the name of Charles H. Hamm, a graduate of Dartmouth, came out to San Francisco and taught at Polytechnic High School, both English and history. And each year he used to thave the class out to his home. At one of the parties out at his house was a fellow named Stevens—Andrew Jackson Stevens, who was quite a comedian. He was always telling stories, and he told a story at one of these parties about having a dream. He dreamed that he was falling, falling and falling, and finally landed on an island. And he got up and walked around and saw a

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Foster: lot of people who were milling about in an open place—
an interesting place just like a park. There he saw
big billboards all around where students were going
back and forth up on ladders. And he asked them what
they were doing, and one answered, "Oh, this is where
one goes from here to eternity, but before one goes
he has to write all the lies he ever told while on earth."

Fry: On the billboards?

Foster: On these huge billboards. He said they were given great big pieces of chalk. Just then, he said, I came by. "Say, Foster," he said, "where are you going?" Foster said he was going for more chalk.

(laughter) Funny how a story like that sort of lived.

Theater at the Turn of the Century

Fry: You mentioned awhile ago that next door to you lived the Krelings; these were the ones who owned the Tivoli, right?

Foster: Yes.

Fry: So you got to go to the Tivoli quite a lot?

Foster: Yes.

Fry: Was this when Doc Leahy was manager of the Tivoli?

Foster: I don't remember.

Fry: Can you describe the inside of the Tivoli? Do you remember what it looked like as you went in the door?

Poster: lot if ocoble who were militing about in an oben place -in interesting place just like a park. There is say
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Fry: C.n ,vu de cribe the helde cr the Tivoli? Do you send the door?

Foster: No. It had a lobby. I recall at one end of the lobby was the bar; I know later on it had two balconies and a place along the east side that I always referred to as "nigger heaven", the top-most balcony, because I know there in the latter nineties I always sat there with my cousin, Cole Stanton, who was a professor of Latin and Greek in the University of Oregon at Eugene, and who was very much interested in the opera. I went with him for the entire opera season, although I was too young to really enjoy it.

Fry: And you always sat up in this "nigger heaven"?

Foster: Yes, with him. My first impressions of the Tivoli
Theater about 1890 were that they had tables and chairs
around on the area close to the stage.

Fry: In the orchestra?

Foster: In the orchestra. Then I recall shortly after that they put in the first rows of seats.

Fry: Oh. But for a while they had these tables and chairs where people did what? Eat dinner or ...

Foster: Well, they would listen and have their wine or beer.

It was a similar arrangement to what I'd seen when I visited the Tivoli at Copenhagen, Denmark.

Fry: Oh. It perhaps was a copy of that?

Foster: Yes, I suppose so.

Fry: And then later on when rows of seats were put in the

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Fry: orchestra what did people do to get their drinks?

Foster: I recall that the rows were wider apart than the usual theater seats as now installed because there was a rail--oh, about six inches or more at the back of each seat where people could have their glasses of refreshment.

Fry: And you went out in the lobby to get your drinks then?

Foster: Oh no. They would deliver them to your seat. I know they would shoot the glasses (usually beer) down along this rail.

Fry: You were telling me about some gaslights awhile ago.
Which theater were the gaslight chandeliers in?

Foster: Well, I recall in all the early theaters they had very elaborate chandeliers of gaslights.

Fry: Is this in the lobby or right in the middle of the auditorium?

Foster: Right in the middle of the auditorium. Later on when they put in electric lights it was such a great relief because it was so much cooler.

Fry: All those hundreds of gaslights must have really given off the heat.

Well, you remember then that the Tivoli had a large chandelier. And I suppose the Baldwin?

Foster: Yes, they all had these chandeliers; that was just typical--that was standard.

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Fry: What about the actresses and actors that were with the Tivoli? Tillie Sallinger?

Foster: Tillie Sallinger, Alice Nielsen, Ferris Hartman,
Gracie Plaster, Florence Roberts, Eugene Cowles.

Eugene Cowles used to be a visitor at our home. And
he always used to intrigue me because he was cross-eyed.

Fry: What sort of roles did he play?

Foster: He was a singer and comedian. As I recall, he did
these things for many years, such as Gilbert and
Sullivan, opera, comic operas; and then--I don't recall
whether it was Christmas-time or whether it was New
Year's that Tetrazini sang at Lotta's Fountain at the
south end of Kearney street at Market street. Was it
the year after the earthquake?

Fry: Did you go down there?

Foster: Oh yes. Oh yes, it seemed that everybody in San Francisco went.

Fry: Was this after she had returned from New York?

Foster: Yes, but she had been at the Tivoli for a long time before that.

Fry: How many people were there?

Foster: Oh, it was just crowded for blocks. One thing I recall. In San Francisco in those early days New Year's Eve was when everybody in San Francisco would flock down town and parade up and down the streets-- not just on the sidewalks, but on the streets as well--

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Foster: they would be solid with people up Market street to about Seventh and McAllister, and up Kearney street.

(Kearney street was the principal street in San Francisco up until the turn of the century--really until the Emporium was built in 1901 and 1902).

Fry: What were some of the methods of celebrating at the stroke of twelve?

Foster: Well, of course there were streamers and of course many people were carrying bottles of wine, and put on fancy tissue paper hats and things. Just milling around--no dancing in the streets as I recall.

Fry: You told me you went to the Orpheum often--can you tell what it looked like on the inside?

Foster: No, I can't. There was a first floor, and I recall only one balcony all the way around.

Fry: So it was smaller, then, than these other more grandiose ones? The Baldwin was supposed to be the most beautiful as I understand it--is that your impression?

Foster: Yes. Both the Baldwin and the California; they were both located in hotels of the same name.

Fry: The Baldwin burned down, didn't it?

Foster: In the fall of 1898, yes.

Fry: Do you remember anything about it?

Foster: No.

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Foster: When I was going to high school we used to sneak away on Wednesday afternoons and go to the Orpheum-because it was only ten cents to get into the gallery.
And the things that you heard! They had many song and dance acts. You see a lot of them repeated today on television.

Fry: The Orpheum was the vaudeville, wasn't it? Was that where Dick Jose got his start?

Foster: Richard (Dick) Jose. He was my brother's chum, yes.

In the middle nineties.

Fry: Well, tell me what he looked like.

Foster: As I recall, he was a sort of round-faced lad, with a tendency to be a little chubby.

Fry: Was he Spanish, or Spanish-American? Jose, for a last name, made me wonder.

Foster: I don't know; I imagine so.

Fry: Did you ever hear him sing his "Silver Threads Among the Gold"?

Foster: Oh yes. The last time I heard him sing it was at the Elk's Club in San Francisco about 1932. After the lodge meeting we'd go on down for our refreshments, and someone called on Dick jose to sing his theme song, and he got up and sang it. He was getting pretty well along; the was showing his age, then.

Fry: " He was very popular back in the early 1900's?

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Foster: Oh yes. From 1895 to 1930.

Fry: You mentioned the Alcazar theater swhile ago.

Foster: The Alcazar, yes.

Fry: Now, that's where Florence Roberts played. Could you describe either the theater or her, or both?

Foster: No. The only thing I particularly remember was that my chum took his girl, Edna, and I took my girl, Milicent (before we were married) and we went to see "Pink Dominoes." We sat in the front row of the balcony. And not having much money, we each made up bags of popcorn before we left home and we made such a noise eating the popcorn that the usher came down and tapped us on the shoulder and told us we had to be more quiet.

Fry: Was this in direct contrast to the Tivoli which always more or less encouraged patrons to eat along with the show?

Foster: No, not particularly, I don't think. Oh, later on1904 - '05 - '06--there was a chum of my wife, a

Suzanne Guthrie, and a fellow that visited their house
a good deal by the name of Reggie Keane. Reggie had
a very fine baritone voice and he used to sing bit
parts and always took part during the opera season.
I remember we used to go and hear him. Or during the
off season they used to sing in some of the little

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FERST LION, that's where Planeace Roberts player. Fruit you essently with er the theater or hoth?

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Foster: Italian theaters over in the North Beach area. But he was wild, good-looking, and a good sort of fellow to have around. Lots of fun.

Fry: Which theater did he sing in?

Foster: Oh, wherever the opera season took place. Various theaters.

Fry: Do you remember Alice Nielson?

Foster: Alice Nielson. I don't know enough about her. I only know that I missed having her as my sister-in-law. She was the girl whose mother took her to New York where she became a prima donna on the Metropolitan stage. Although I can remember to this day when I was a youngster about eight years of age Mrs. Nielson came to visit with my mother to prevail on my mother not to let# brother William and Alice Nielson run away from home and get married. She wanted to do things for Alice's singing career--which she did.

Fry: And your brother later on married someone else?

Foster: Yes, he married. But, a funny thing, he never married any theatrical person; he played around with lots of them. I am trying to think--he married a girl he had met in one of the offices down along Front street.

Fry: Would your brother Bill bring all his theater friends to the house?

Foster: Yes. When there was a traveling company passing through San Francisco my brother very often would

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Foster: bring many of the players out to the home. I recall at those times my mother and I would be given tickets-or sent out of town for a couple of days, and my father would stay home to help supervise the party.

Fry: They must have been big parties.

Foster: They were big and wild and wet parties.

I remember twice when Victor Herbert was at my home. Once just after the Baldwin theater burned down, and then once after that--a year or two later.

Fry: What did he look like, tell me.

Foster: Well, as I recall--as a little boy I peeked around the door from our hallway to our parlor. He, well, he was a big animal, a big heavy-set man; I judge that he weighed 250 pounds. But I remember he was at our great big square piano--a big square grand. He was sitting on the bench and he'd play, and then he'd write the score down--and then he'd play some more.

Fry: Oh, he was writing right at the time?

Foster: He was composing at that time. Over the years I've often said it was something from "The Red Mill." I don't know for sure. I might go back in the history and see what he had written in 1896, 1898. I believe that Victor Herbert wrote the "Red Mill" some years later.

Fry: Yes, this was right after the Baldwin theater fire.

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Ty: This was right the time Caldwin thestor fire.

Fry: Did he appear to be a jolly man? Or was he temperamental?

Foster: No. He always seemed to be very pleasant -- all very pleasant. And as I recall, when others would be there he'd mix well with the actresses and actors, yes.

Fry: What was he in San Francisco for?

Foster: One of his shows which he had written was showing at the Baldwin Theater.

Fry: Was he directing it?

Foster: Well, I don't know whether he was directing it; he was here-was just traveling.

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OF CALIFORNIA, 1902 - 1906

Fry: I thought we might begin this time with your college career as a student. You could run through and give us names of professors who you felt influenced you and helped you.

Foster: Let me kind of relate something before we do any of this because I had to wait a year to go to college. I couldn't come over after I graduated from high school; late that summer of 1902 my father died, and so I continued to work at the Union Iron Works in San Francisco where it is still located now. (At the time there were about 4,000 working there) My father took me in and introduced me first to Jim Gunn, secretary. Later he took me out to the Union Iron Works on 20th street where I was to go up and see the head of the electrical department, Mr. Waldo Hanscom. When the clerk came and got me I recall my father getting up and shaking my hand and saying, "Son, you are now a man taking a job. You have to do things for yourself." He shook my hand and he went out and I went upstairs to interview Mr. Hanscom. This fellow Hanscom was a close friend of Clarence L. Cory, the dean of the Electrical and Mechanical Engineering Department of the University of California at Berkeley.

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Foster: After working at the Union Iron Works for months one of my favorite high school teachers, a man by the name of Ralph C. Daniels, got after me. That year, while I was working at the Union Iron Works, I was going to night school, and I got a chance also to coach a lot of boys who wanted to take examinations

while I was working at the Union Iron Works, I was going to night school, and I got a chance also to coach a lot of boys who wanted to take examinations for university entrance and so forth. So Mr. Daniels was anxious that I go to the University. Then, one day, I had a call from Jacob Burt Reinstein; he was an attorney and a regent of the University and was my father's attorney. He said with the grades I had in high school I should continue my education. Well, I told Mr. Reinstein that I didn't have the money to go and he said, "You should go down and see your father's old friend, Levi Strauss. You've known him over the years and he might give you some suggestions and help." That was Levi Strauss.

So I went down and saw Mr. Strauss. He said, yes, he would help me. Mr. Reinstein had gotten papers for me to fill out for application for the scholarship, I had his signature as a reference, also that of Levi Strauss (who was giving many of the university scholarships), Mr. Freundling, the pastor of the church, and also my school teacher Ralph C. Daniels. I was awarded a State of California scholarship which I held for the four years I was in college.

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Foster: Of course it didn't pay very much--\$125 a year,
\$12.50 a month. I had a letter of introduction from
Waldo Hanscom to Clarence C. Corey, the head of the
department of Electrical Engineering, which was my
major when I first started.

The first day I was on the campus I was in the basement of the north end of North Hall and I saw the "help wanted" notices on the board; I got a job the first day I was there with Eugene Kilgore, later a very prominent medical man, particularly with regard to things of the heart. My job for Kilgore was giving out papers in one of the chemistry courses I had to take. After a couple of days I made contact with William Conger Morgan, the chemistry professor of this course. He's one of the best teachers the University ever had. Through him I got a job helping him set up the equipment for the class demonstrations in this course.

Also through him I contacted Mr. Booth, who supervised the chemistry laboratories, and got the job of getting out the reagents, fill up the bottles and clean out the desks in the laboratories. So that was the start of my working career at the University; I had something to do to help support myself.

And then at the same time I met, through that

Poster:

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HERBERT FOSTER AT THE
UNIVERSITY OF CALIFORNIA
CLASS OF 1907

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Foster: contact with the Chemistry Department, a fellow named Murphy - I can't recall the first name now - he was an engineer with the United States Geological Survey. He was the father of E. C. Murphy whom I befriended in later years. Mr. Murphy was doing hydrographic work on the rivers of the state, making analyses of the composition of the water of all the principal streams.

> At this job I learned how to run a slide rule. I made the calculations for these fellows. Well, that was another tie and another job. The fellow that was running this work was an E. C. Eaton; he was my key man and in later years I worked very close to him when he was the chemist for the People's Water Company and I was their sanitary engineer. Well, it was just another tie.

And then the next summer I had my trip to Alaska.

Oh, your "summer cruise," working on a steamer? Fry: Foster: The summer cruise. In late summer I started on the third trip, this time to go to the Hawaiian Islands. The steward on the boat had been stabbed, and then they gave me double-Q because I smoked up everything including the Embarcadero with my improper firing of the boilers. I had an awful time getting up steam and getting out into the stream. Just about that time the

captain, "Crazy" Johnson, came by; the captain was an

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Foster: old friend of my family's. So I told him I thought that I'd miss college if I went on this trip to the Islands; I said I thought I'd better quit if I could. He said, "That's a good sensible move to make." So he says, "Get your suitcase and the bag and when the paper boat comes out, over the side with you."

Fry: You had already left San Francisco again?

Foster: We had come out into the stream, yes--from the Howard street dock out into the stream and anchored. It was only a week before college would open.

Fry: When was this?

Foster: This was August, 1904. So I came back to the University. My high school teacher, Ralph Daniels, advised me to switch from electrical engineering to sanitary engineering; he said the field was much greater, with many more opportunities. I went to the campus at Berkeley to the Civil Engineering Building. On the first floor I saw the name of Charles Gilman Hyde, professor of sanitary engineering. So I stopped in and got acquainted with him, and before I left his office I was working for him.

Fry: Did you still have any of your jobs left over from the last year?

Foster: No. But for the next 25 or 30 years I was Professor

Hyde's right-hand man on nearly all his outside

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 Foster: engineering practice.

Fry: Is he still alive?

Foster: Yes. So I attached myself to Charles Gilman Hyde,
who fathered me, and his wife mothered my wife Milicent.
I so often have said over the years that Milicent took
me out of the gutter and made a man of me, Mrs. Hyde
and Professor Hyde fathered us, and Ralph C. Merritt
counselled us. Those were my three friends who
influenced me more than anyone else.

During the fall term of 1904 I took a course in mineralogy. Arthur C. Eakle was the mineralologist and geologist and I got very close to him over the years. We continued that friendship until his death. He's the one who used to take me to the Hillside Club in Berkeley during the early teens. So that was a very close tie.

My work with Dr. Eakle was to make up the samples for the specimen boxes for the class instruction.

And I also did work for him on his private collection of specimens. This was just another University tie.

And then I had to take surveying and civil engineering, and had contacts with Edward Nathan Prouty, and to me E. N. Prouty was the best instructor I ever had in all my University work. He died here in Berkeley a few years ago.

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Fry: Why do you say that he was the best instructor you ever had?

Foster: For getting over his subject and for demonstration.

Fry: Could you give an example of what sort of thing he would do?

Foster: Well, the thing is this. In his explanation he wouldn't simply give you a few leads. He would sit down and work out some of the problems in detail and show why you did it, and how this followed that -very thorough. Later on I was on a survey in 1906 after the earthquake up in Calaveras County with him and one of the other fellows, a Warren C. Clark. And I commenced to get some rudiments of civil engineering and surveying. And then Fred H. Tibbetts of San Jose came along. He worked for the University on the surveys of the campus property in Berkeley and the Affiliated Colleges in San Francisco and on investment properties in Oakland and elsewhere, and I worked with him. So it gave me an entree to professional work and a close tie to him. Oh, I stayed in surveying work for quite a few years.

Well, then came along my junior year and I started doing some work for "Pop" Soule, who graduated from West Point in '66 and who was the dean of the College of Civil Engineering.

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"CAMP CALIFORNIA"
SUMMER SCHOOL OF SURVEYING, 1906



NICKNAMES AND FRIENDSHIPS BLOSSOMED

"Baldy" Frater, "Chet" Gillespie, "Highball" Foster, Charlie "The Duck"



Fry: How was he to work with?

Foster: Oh, he was a fine old fellow to work with. He was the head of the department. And later on my wife became his part-time secretary.

Then Derleth, Charles Derleth Jr., in 1904 came out from Boulder, Coloredo and joined the Department of Civil Engineering; I took my materials of construction and my design courses from him. After the earthquake and fire I worked a good deal with him on many problems. He was the editor of the Builders!

Review, which dealt with construction problems and things of that sort, and I used to make up the galley sheets and put it together. I did lots of work for Professor Derleth, but he paid me very darn little. He paid me the minimum, 25% an hour.

I recall one job for Professor Derleth: he was doing some consulting work for the county of Alameda when Percy A. Haviland was county engineer. It was in regard to lengthening the culverts along the highways. I had checked the design for extension of the culverts and reported to Derleth that I believed new construction was in order and recommended against the extension of the existing culverts. I recall he had his secretary, Miss Nettie Meek, place a call to Percy Haviland and Professor Derleth spoke to him and

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Foster: said, "Regarding that culvert, the answer is 'No'; in fact you'll have to design a new structure." And then he hung up and dictated his bill, \$150. As I recall my total bill of doing all the work was \$1.75.

Fry: So he had a \$148.25 profit! (laughter)

Foster: He used to say to me that I was getting my education and that I was getting my experience in the things I was doing for him. With Professor Hyde it was different; when you worked for Professor Hyde the rate of pay all depended upon the job. He was a prince; he paid me up to as much as \$5.00 an hour if some of the jobs were worth it. I recall that when he was working on the water supply for Los Angeles from the Owens river I was working up all the information for him, E. C. Lippincott, and the other engineers for the court case.

Fry: Were these jobs which Derleth and Hyde were doing paid for by the University, or were they private?

Foster: That was all private.

Fry: They were allowed to do a considerable amount of work outside of the University, then.

Foster: Oh yes. That's why Professor Derleth came there, and Professor Hyde came here and why Professor Tibbetts did so much. I worked a lot with Fred H. Tibbetts on surveys, etc., for the Alameda Sugar Company.

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Fry: You mean building the Alameda Sugar Company?

Foster: No, on the survey of their lands and measurement of well data and things of that sort. So it was another contact. Even after I graduated I continued this work and I made as much from the outside work as I made in my regular job that I got.

Oh, then another thing, there in my junior year civil engineering had a big roller memeograph. I got around and canvassed the students in the various classes as to whether they would be willing to pay 50¢ per semester per set for a mimeographed set of problems. The professors used to write the problems on the blackboard in class and the students had to take time to copy them.

Fry: They would subscribe?

Foster: Yes. Most of the students subscribed. It was a source of income for me. I cut all the stencils by hand, and I know later on when I got married in December of '05, and after the earthquake when we moved across from San Francisco to Berkeley, I used to cut the stencils by hand and my wife, Milicent, used to run them off.

Professor Derleth was the consultant to John Galen Howard in regard to all structural details of

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Trough the constitution of the constitution of the falen twend in regar to all structural details of Foster: all the buildings of the regents. In working for Professor Derleth I checked the structural design of the plans on the University Library Building, the Agriculture Hall, the Campanile, and many of the other buildings on the campus. I checked the designs and reported to Professor Derleth.

And then with Hyde it was all in regard to the sanitary systems and the water supply and things of that sort. All these jobs gave me a keen insight to the things of the University at many angles. Then, as I said, I made the first survey of the property lines and topography of the University Farm at Davis in 1906 as the regents were buying up the property. That let me have a hand in those surveys and records, and I used them for many, many years in other jobs.

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CHARLES GILMAN HYDE, SANITATION ENGINEER

Fry: What was your first job after you were graduated?

Foster: When I graduated I had the opportunity for four or five jobs. I decided to take the job as Sanitary Engineer for the newly formed People's Water Company. Charles Gilman Hyde was the chief sanitarian and the director of their laboratories, so I decided to take this job and keep my tie with Professor Hyde.

During the years I worked for the People's Water Company I never worked at their office in Oakland but kept my office with Professor Hyde on the University Campus. By so doing I held on to all my University work as well as that of People's Water Company.

I used to go down and report once a month to Mr.

Fry: They just took your monthly reports then?

Foster: And other important things that came up.

Fry: Tell me about Hyde. Today's professors have to do a great deal of research to keep up their reputation.

What was Hyde's specialty, would you say?

the chief engineer of the water company.

C. D. Marks, secretary, and to George Wilhelm who was

Foster: Sanitary engineering. He graduated from Massachusetts
Institute of Technology and went to work for the
Massachusetts State Board of Health. And he later

That was your "irst i b after you were gradu tad! 2 1 7 4 The state of the state of the or ortunity for form fire jobs. I quaircul to take the job sa Sunitaru Aprilees for the really of med Goode's "atem Coon . Ulerlas Hilan agie was the chief staitering and the the story of their lateratorica, so I decient to usie this lor and bress my tie with Prolosus: Wife. rate to learn the transfer and are some attention tomber of the root day air office in colland but apting strive with Author or Frde on the Tilly resity unipus. By so duty I held on the all no Tit comsilving the rell as fur of reporters fater no comy. i used to go down and some a such in it. i. i. srks, acc til., su to hourd illelm to was the metal confront of the worth congrue. Tree fost tool in contill reports then? 111 .cs neo deri a thit in though a fit is ' : 125 Le no siest Wyte. Today's Trefactors base to do a most deal of research to kness up their renutation. het his grade's aperialty, will you may?

nstitute of Technology and went to work for the later tensor setts. And de later

Foster: went to work for James H. Fuertes. They designed the water filtration plant at Harrisburg, Pennsylvania.

Hyde had gone there to do the inspection and be the supervisor of the work and the tuning up or placing the plant into operation. Then he was offered this job to come out here to California as head of the newly formed Department of Sanitary Engineering.

When I first went to work for Professor Hyde in August, 1904, it was in connection with the final reports he was making on the Harrisburg filtration plant.

Fry: He was relatively new, too, to the campus then.

Foster: Oh yes. He came directly from Harrisburg out here in 1904. But, as I said, I worked and practically lived with the Hyde family.

One interesting thing happened in 1919, when the City of Sacramento was looking around the United States for a sanitary engineer for the city filtration plant design. I have actually seen letters where the city council canvassed some of the top engineers in the East. I saw two letters to the effect that, "why come East to get a man when you have the best sanitary engineer in the United States right in your own midst? Get Charles Gilman Hyde." And then there was the report of Hyde, Wilhelm and Miller in 1916; I helped

For rest to the feeth of the state of the designed the aster filteration plant at Harrisburg, Pennal Avaidative and gone there to do the inspection and be the sum risor of the error and the tuning no or place.

the lant into openation. Then he was offered this to come out "in to Selffernia or lend of the inwary forced Department of Selffernia or lend of the law in it is to open to open for the self of the lend of the law in the state of the law in the self in the state of the law in the self of the law in the self of the law in the self of the self of

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with those for water and sanitation for the City of Foster: Sacramento. Later, in 1919-20, when he went on the trip East, the recognition that the engineers in the country, the top engineers, gave to that report made it a classic in water supply. Hyde mentioned this report only a few weeks ago. (March, 1960). He said, "You made that report what it was on account of the tabulations, diagrams, and statistical data and things of that sort." But of course Professor Hyde was on consultation in sewage disposal water supply, irrigation and electric power development and things of that sort throughout the state and the Pacific Coast. His reports are the most marvelous works of literature as well as of engineering data. He had a wonderful command of the English language in his reports, his engineering problems, and things of that sort.

I remember one report we worked on for the Spring Valley Water Company in San Francisco in connection with the condition of the water in the Alameda Creek area, and about bringing water over the mountains from the San Joaquin River and so forth; I think there were also lots of items in connection with filtration and so forth. And I remember that he sent copies of his report and his

To yet on the first the sud saith tion for the City of un esto. Disor, in lais -20, whom he est vo the if thest, the recognition that the engineers in be unitry, the top engineers, ways to that report to the classic in water supply. Ande mentioner t ly regard waiv a tew walls are. (M. vol., 1966). He said, "You made tist to unt what it was on account of the tabulations, diagnorms, and abatilations of the and things of this a st. But of cruss instra Total Descript Company of the contract of the The two quients a way ofester of a list that allocate tribute of the barath are the state and but racing Cosst. The manners are the most arm our the state of literation in a collection of the state of the Have at railroll or the forther to be traited United the comparts, his earliest mind or of the but the . True topt to

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Foster: bill over to the offices of the Spring Valley Water Company. He got word from somebody in the company that they thought his fee was too high. And I recall, as I was the one who typed the letter for him, that he told them that if they were not satisfied with his report to return the reports and the obligation would be closed. The very next day several of the top people and the president of the Spring Valley Water Company were over in Hyde's office. They accepted the report and paid his fee.

When George C. Elliott came out from Colorado to take over the Spring Valley Water Company as their engineer, he took some refresher courses at the University of California from Professor Hyde, and I acted as his tutor. So it gave me a close tie with Mr. Elliott. In later years when I had problems with the Bear Gulch Water Company down in San Mateo County I always had a tie with George C. Elliott for consultation.

Fry: What was Elliott's position?

Foster: He was the chief engineer of the Spring Valley Water Company; the City and County of San Francisco now control it.

Fry: Later on this helped you when you were engineer for Bear Gulch Water Company?

Joston: Dill ver to the cit and if the armine Valler Water dompany. The authority is feel as the city to tight. And I recold, that they tought his feel as the city him, that a fell ther cant if they were not artisfied into a result for extent the request and the obligation would be alosed. The very next day several of the president of the contract of the president of the president of the contract of the president of the president of the contract of the president of the presiden

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Provide the company of the position?

I see the chief engineer of the Spring Valley Voter of the Spring Valley Voter of the Spring Valley Voter of the City and County of San Openciaco now and the country of San Openciaco now and the country of the countr

v: Inter on thir nelpon fou then you were entineer for Pear Pulo inter Company?

Foster: Oh yes.

Fry: If you had to decide which contributed more to your education and training and experience would you choose your formal education at the University or the experience you had working for these various professors, especially Hyde?

Foster: It was the application of my book learning to actual construction, actual reports and things of that sort.

Fry: So this really played the role of in-service training more or less?

Foster: Yes. The experience along with the classroom learning.

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of ter: Ves. The examplesses along with the classicon learning.

WATER PROBLEMS 1915 - 1936

The James L. Floods and the Bear Gulch Water Company

Fry: Did your father know Mr. James C. Flood?

Foster:

1902.

and the same of the same that the

I never heard him mention Mr. Flood but I became very intimately associated with his son, Mr. James L. Flood, because his sister, Cora Jane Flood, had in 1898 given the Flood home place at Menlo Park to the University of California as the start of the Flood Foundation of Accounting. And after a few years, there being certain restrictions in the gift whereby the University had to maintain the home grounds, etc., (it was like a castle) Cora Jane Flood realized that the University could not fulfill the requirements of the bequest, so she bought back the home place. I believe it was in

At the same time she gave the University certain marsh lands adjoining the Flood ranch and four-fifths of the stocks and bonds of the Bear Gulch Water Company, the water company that was started by James L. Flood and old Senator Felton and others. Senator Felton died in 1915.

At the time he was active head that operated the water company and upon his death I was pushed into

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bi your fither mast in. James C. Flor? I never in and him soution Mr. Flood bit the been we ver : ieteu intimatel sancinted with the son, Mr. Janes i. Flood, because nin 4 . ter, Cors Jane Flood, had in 1898 given tie Place how of wire Challo to the university of California as the start of the Flood foundation of Accounting the after a few merra, there being certain restriction to the fift whereby the Thiversity had to main's is the bone vermous, otc., (it was like a cestion) Sugm Jone Ploud tentiare that the Taireraity rell not ruleful the requirements of the request, as the boards bar the home place. I helicted it was in . 3001

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At the tie to ne was active head that overeted the water company and upon its death I was pushed into Foster: the breach by Comptroller Ralph P. Merritt to run the water company as its engineer. My experience with the old People's Water Company in the East Bay area starting in 1907, and my engineering experience with the University stood me well in hand, so I carried on the operations of the water company from then until about 1936 when the company was sold to the California Service Company of California.

In the early years, from 1915 to about 1925, I used to visit a good deal with James L. Flood and on many occasions have taken his son, James Jr., on fishing trips and hunting trips to Bear Gulch Reservoir and Bear Gulch Watershed in Woodside.

Fry: Can you tell something about James Flood, Junior?
What was he like?

Foster: James, Jr., was a likable kid. As I recall, I believe it was his eighth or tenth birthday that his father had given him a cart or wagon into which he had put a motor so he could run around the grounds of the home place in Menlo Park. I think, incidentally, he also gave the boy a million dollars.

Fry: That was quite a birthday present. (laughter)

Foster: Jim and his wife and children still live in Woodside;

they were neighbors of mine at the north end of Greer

Road in Woodside. Jim Flood had bought this home site

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Jim and his wife and children still live in woodside;
they were neighbors of mine at the north end of freer
Road in Woodside. Jim Flood had bought this home site

Foster: from the Huddart estate. Now Mr. James Flood, for his ranch in Menlo Park, had an independent water supply for his use. One year--1915, I believe -- was a year of low rainfall and runoff, so the Bear Gulch Reservoir did not fill. I made arrangements with Mr. Flood to use his private source of supply and pump it from his wells back into the system of the Bear Gulch Water Company, thereby saving the company many thousands of dollars.

You mean his wells on his own private property were

Fry: big enough to supply the Bear Gulch Water Company? Oh yes. And I recall during the First World Wer and Foster: the establishment of Camp Fremont in Menlo Park. Floods very often turned over their garage where they had a big large maple floor for the benefit of the soldiers -- for their dances. They gave many parties for the enlisted men down on the Flood ranch. Incidentally -- an interesting sidelight -- in the garage Mr. Flood had a large turntable, like the turntable for the streetcars in San Francisco, for turning his automobile around. During an evening of dancing the soldiers would find out how to loosen the thing and then they would spin this turntable.

He was very generous, then, wasn't he? Fry: Yes. I recall the beautiful home and the many talks Foster: I had with Mr. Flood in the parlor of the Flood

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Yes. I recall the beautiful home and the many talks I had with Mr. Flood in the parlor of the Flood

Foster: mansion. And the many meals that I had either with the family or with the help in the rear dining room.

Fry: Well, he was rather difficult to get along with, wasn't he? Or was he?

Foster: Not that I know. Of course, he had--he went afield in his pleasures--got tangled up with other women; that's how the Flood-Gavin affair started. I know little about this so do not talk about it.

Fry: But in working with him, what sort of man did you find him to be on such things as the water company?

Foster: Oh, he was a prince of a man to work with; he was so considerate, wanted to be so helpful to the University and to help out his sister, Cora Jane Flood. I recall one particular trip I had with Mr. Flood in San Francisco when he took me through the old home in San Francisco, the mansion across the street from the Fairmont Hotel, which is now used as the home of the Pacific Union Club.

Decision for a Supply Source for the East Bay

Fry: Your work with water problems began early, didn't it?

Foster: Oh, those visiting men here a few months ago were talking about the possibility of building another reservoir on the Mokelumne river, and when it was discussed I said, "Yes, I surveyed that reservoir

Foster: mension. And the many meals that I had either with the real that rear disting room.

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COPPER SULPHATE TREATMENT AT LAKE CHABOT
1907-1911

(Herbert Foster in back of boat)

Foster: site in 1906." It was the South fork of the Mokelumne river, just north of the village of Railroad Flat.

Fry: And whom had you done the surveying for?

Foster: We were working for an eastern concern; the project was for a railroad development to reach and get timber from the Big Trees area by way of Railroad Flat, Dutch Flat and Rich Gulch, Mokelumne Hill, and Valley Springs. Incidentally, in that group of three parties was Warren Clark who later taught Civil Engineering at Berkeley from 1904 to 1906. He was born at Railroad Flat and we camped on the old homestead of his family; he had some people that were interested in that, people of the P.G.&E. You see, they had another hydro-electric plant downstream in what they call the Electra Plant just east of Mokelumne Hill. I worked in that plant in 1899.

Fry: Another thing we wanted to talk about today was this commission in 1917 and 1918 for the study of the water supply problem and its future in the East Bay area. You were the engineer for this commission, weren't you? Professor Hyde was on that too, wasn't he?

Foster: Yes.

Fry: Where did your plan come from?

Foster: Oh, in other reports. Because Professor Hyde got out of the picture but he attended public meetings and he wrote papers and things of that sort on the subject.

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Fry: Oh, but he wasn't on the commission himself?

The Sacramento River Plan

Foster: This particular job came after about 1913 and 1914.

It became quite critical for these East Bay cities to do something to augment their present water supply.

Fry: Yes, I believe they had a very severe drouth.

Foster: I had been the sanitary engineer for the People's Water Company for four years, from May 1907 to June 1911, and I knew all of their properties from Richmond and San Pablo on the north to Alvarado on the south, and all the back property. So I didn't have to rely on reports as the only source of my report. And I also had worked with Professor Hyde in connection with the many reports on water supply regarding the use of the Sacramento river for the City of Sacramento; and I had worked on the report of water for the City of Stockton: I had worked with Hyde on a report about 1906 and in 1907 in connection with irrigation development, utilizing the waters of the San Joaquin river; the same source in reports to the Spring Velley Water Company in San Francisco with Hyde about utilization of the waters of the San Joaquin river pumped over the hill into the Livermore Valley.

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Poster: No.

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Foster: And then again I knew the city engineers of Richmond, of Berkeley, of Oakland, and of Alameda. So when the cities took up this water problem after about 1913 or 1914 and formed an East Bay Water Commission, I was appointed as their engineer to make a report on the possible sources of the water supply for the East Bay cities.

of course my first suggestion had been the utilization of the Sacramento river as a source of water supply, storing it in reservoirs and later filtering it. My idea originally was to divert the waters of the Sacramento into a series of reservoirs for which there are sites south of the town of Rio Vista, on the west side; then by pipeline or tunnel under the bay and up Pinole Creek into a reservoir site above Pinole, and then by tunnel through the hill to the San Pablo watershed, there utilizing the existing reservoir systems.

But the group generally disliked this project for aesthetic reasons; they considered the Sacramento river as too highly polluted. They called the river an elongated cesspool because all the cities were dumping their sewage into the Sacramento river. Of course, we needed legislation to correct this condition. We now have such legislation.

Poster: And then eggin I know the city engineers of die ad, o. chicley, of Uskland, and or Alameda. So when the cities took up this water problem after about 1913 or 1914 and forred an East Bay Water Cornicaton, I was appointed as their engineer to make a report on the norsible sources of the water supply for the East ? y .asidio

-ifite and rood bad notteer we terif you served to r that lo source as as unvir of members & add to doiter supply, storing it is reservoire and later filtering it. By idea or singlly was to divert the rateurs of the backtouts late a series of reserving for which there we site .out to town or Rio Wiste, or the west side; then by pipeline or tunnel ander the bry and up Pinule truek into a reservoir site above icole, en' then is turnel through the hill to the In Fold watershed, there utilizing the existing .errettvoir cyrters.

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The Eel River Plan

Fry: After the commission turned down the Sacramento river plan, did you propose another?

Yes. For some years previous, in connection with the Foster: Bear Gulch Water Company in San Mateo County interests in the Bear Gulch Water Company (other than the University) were the Feltons, Senator Felton, who originally had obtained some of his wealth in the railroad system in the City of Philadelphia. They used this money to build the Snow Mountain Water and Power Company on the south fork of the Eel river, whereby the south fork of the Eel was utilized; they constructed a dam on the south fork of the Eel river which they called "Cape Horn" and a tunnel through the mountain to Potter Valley on the Russian river drainage, then a power plant that for many many years served all the area from Ukiah down to Santa Rosa, and even over the hills into the Napa Valley. Senator Felton died in the latter part of 1914. He was the one who had operated the Bear Gulch Water Company which supplied the area between Palo Alto on the south, Redwood City on the north, the San Francisco Bay on the east and included Woodside on the west.

Upon his death I stepped into the picture as engineer for the University which owned 80% of the

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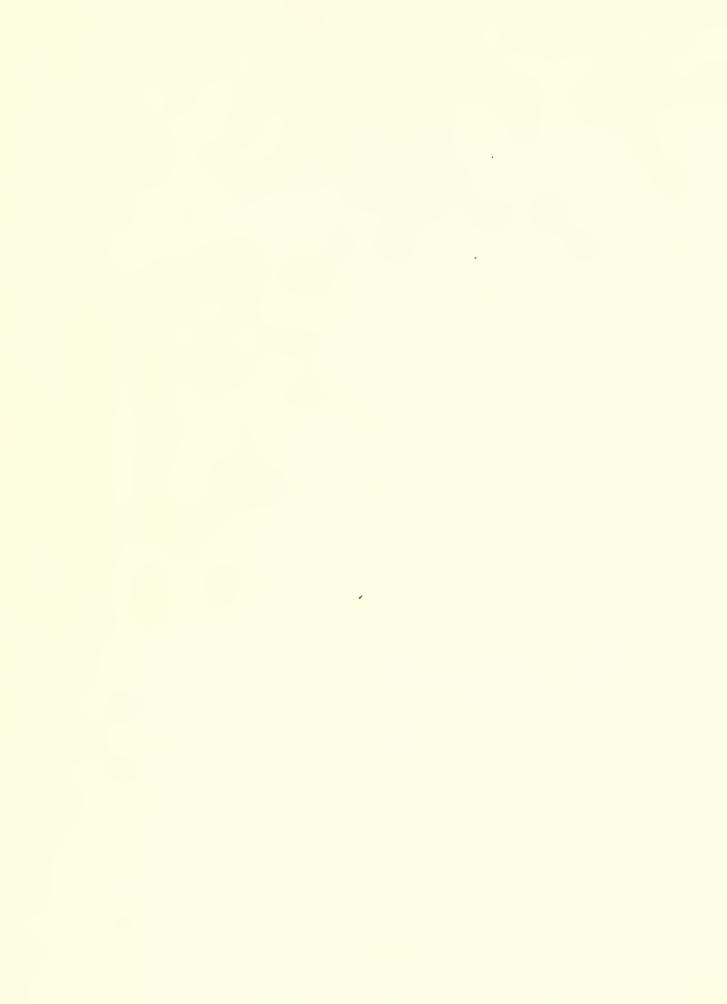
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PEOPLE'S WATER COMPANY LABORATORY

Burton Philbrick, a colleague of Mr. Foster's

BETWEEN 1907-1911



Foster: company) and ran the water company until it was sold in 1935. In fact that position was fine for me because that was right up my alley from my previous experience.

Senator Felton's daughter, Mrs. Nielson, still owned the Snow Mountain Water and Power Company. She very often called me in for engineering advice in connection with the problems of the Snow Mountain Water and Power Company. And so I obtained an intimate knowledge of that company. That was the reason that I recommended to the East Bay Water Commission that they acquire this water and power company: it already had another reservoir site on the south fork of the Eel in Gravelly Valley upstream from the Cape Horn dam (which has since been developed as a storage reservoir).

In my study of the Eel river supply for the East
Bay Water Commission I had the assistance of a fellow
by the name of Frank Hewston who had been chief
engineer for the City of Oakland. He and I went out
into the field and ran the lines and the tentative
location lines from Potter Valley to the suggested
San Pablo reservoir. That was only a tentative project
for my report. Well, at that time there were no
water rights to this water; none had been taken up

Poster:

cornsuly) and wan the water corpany until it was sulta 1935. In fact that position was fine for accouse that was right up my alley from my previous or perience.

Senator Pelton's daughter, Mrs. Miclson, still owned the Snow 'durtein Teter an' Paper Company. She very often called of in for ergineering edvice in connection with the problems of the Brow' countain ster and Fower Company. And so I obtained an intim te low whedre of their company. That was the reason that I recommended to the East Hay Water Corrisation that they acquire this water and nower concury: it always had entiter momentum is site on the grate fork of the law of the law

In my study of the Hel river sumply for the Cast of Water Coumission I had the ausistance of a fellow by the name of Frank Sewstan who had been coteffed esgineer for the City of Cakland. He end I went out into the field and wen the lines and the tentative location lines from Potter Valley to the suggested San Pablo restruct. That was only a tentative project for my report. Vell, at that the there were no water rights to this water; none had been taken up

Foster: along the Russian river; this water from the south fork of the Eel river is the water that makes the river resort country.

Fry: And there were no previous water rights at that time?

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Foster: No.

Fry: So you wouldn't have those legal difficulties to encounter.

Foster: At that time the property could have been acquired for about \$650,000, and it could have provided over a hundred million gallons of water a day; and in a further development they could have gone a few miles further north, thirty miles, or less--and brought in the middle fork of the Eel river and more than doubled the water volume. One thing that appealed to me--there was no other need for that water; it ran down the Eel river and into the ocean. It was not needed for irrigation as there was ample water from the Van Duzen river for the lands near the ocean.

Fry: Nobody was using it?

Foster: No, they weren't using it. There was plenty of water from here down to the ocean there at Arcata and Fortuna.

Fry: Would it have been much less expensive to bring water down from the Sacramento river than from the Mokelumne river?

Foster: The cheapest development would have been in connection with the use of water from the Sacramento river.

Poster: clong the Hussics river: this water from the south fork of the Eel river is the water that makes the river resert country.

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Fig: So you went not neve those lead difficulties to encounter.

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For a state of the community of the community of water from there down to the community and Fortrus.

Vould it have been to the less expensive to helder worther down from the Sacronento river than Tron the Derelumne river?

rester: The cheapest development would have been in connection with the use of water from the Prenarrate river.

Foster: Secondly would be the Eel river water as for the cost of installation; it cost more to use the Mokelumne river water because they had to build a dam. Here at the Eel river they already had their dam and diversion; it was utilized for the power and there already was a source of income from its electric power.

Fry: It would have been cheaper to use the Eel river then than the Mokelumne?

Foster: Yes.

Fry: What were the objections to using the Eel river water?

Foster: They didn't find any definite objections. You see,

very little was known about the Eel river; it might

as well have been in Timbuktoo because the Sierra

rivers were the ones people always saw on their trips.

And I never did get to present my plan; I simply

turned it over to their engineer whom they had asked

to review all plans. The man who presented the

Mokelumne plan was a government engineer in the

reclamation service and was very well known; he was

quite popular. Arthur Davis was his name. He was a

With the construction of a storage reservoir below Potter Valley and just east of the town of Ukiah, the supply now serves all the area of Ukiah,

good speaker and gathered much support for his plan

by his speeches.

Poster:

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r: Secondly would be the Bel river water as for the cost installation; it cost more to use the Movelumno river water because they had to build a dam. Here at the Eel river they already had their dam and diversion; it was utilized for the power and there already was a source of income from its electric power.

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With the contruction of a storice reservity below Potter Valler and just east of the town of Ukish, the supply now serves all the ares of Ukish,

Foster: Cloverdale, Hopland, Santa Rosa, and Petaluma.

Los Angeles wants to take water from the Eel now too. Of course they have developed the Eel river supply within the last few years.

Fry: You made your Eel river plan up in the form of a report?

Foster: Yes, to the commission. But it was never publicized to the people at large.

Fry: Is the rainfall reliable enough up around the Eel river?

Foster: Oh yes, probably much more rainfall than in the Mokelumne river basin. You go further up here to Del Norte county and your yearly rainfall averages 60 to 80 inches. Around here it is about 20 to 23 inches; at Woodaide it is about 36 inches. And about 30 inches in the Mokelumne river watershed.

Fry: Why do you think the Mokelumne river was decided upon finally as the source?

Foster: Well, everybody knew the Mokelumne river; they had gone to the Sierras and seen the high mountains with the snow and the streams. And San Francisco had gone to the Sierras for their water supply and there had been a lot said about their water being pure mountain water, uncontaminated. It was easier to get the general public to support water from the Sierras; that was it. I claimed that it was the agriculture interests that rightfully should have all the Mokelumne river water for the development of agriculture.

Foster: Claverdale, Hopland, Santa Hosa, and Petalum.

Iry:

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CONSTRUCTION FOR HEARST MASTER PLAN AND ATHLETIC FIELDS, UNIVERSITY OF CALIFORNIA

THE RESERVE THE PROPERTY.

Foster: From my professional work with Hyde and Derleth, plus supervising all the upper-class reading and problem sets and examinations and such things, Professor Derleth believed that I was making too much money, so I was given a regent's appointment in 1910 from July 1910 to July 1911 at a fixed salary instead. But that didn't stop me from doing a lot of Derleth's, Tibbett's, and Hyde's professional work; I continued that, and much of this gave me my first tie to the University.

Fry: Then you were officially a part of the University.

You have mentioned to me that Derleth was Howard's structural advisor. What did Derleth think of Howard's ideas in general? For instance, his use of the granite

Foster: You see, the use of concrete came later, about 1916.

Merritt handled that, and when that came along I know
I influenced Merritt a good deal in that I thought
that many of the buildings that were not of monumental
type--the library, the proposed museum, particularly
buildings of that sort--should be entirely of concrete
and with terra cotta partition walls. And so that's

how I influenced some of the buildings; I got the

rather than concrete and stucco.

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Propertising all the unper-class reading and Derlett, plun supervising all the unper-class reading and problem of and excites and excited that I was mexicy too mode access. Turleth I clieved that I was mexicy too mode access, at I was given a regent's spondation in 1:00 from only 1910 to July 1911 at a fixed sale, instead. "We' they didn't atop me area doing a of of Derleth's, libbeth's, and hyle's confinued to rest of Derleth's, included that you have that to the injurisity. Then you were officially a part of the University. You have mentioned to me that perleth thick of Howsen's structural edvisor. What hid Derleth thick of the grant's lides in general? For include, his are of the granted that concrete and stuce.

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Foster: backing of Derleth on that.

I was the first one on the Pacific Coast to use the scientific proportion of ingredients for concrete back in 1910. The first of such studies were made in the East and I copied their methods of analysis, grading of the aggregate, and used it here, first in the construction of the Men's Swimming Pool in Strawberry Canyon in 1910, and the concrete conduit. At that time John B. Galloway, structural engineer, was a pertner of Howard's. Others working in Howard's office included Walter Huber, Henry Dewell and Niskian. Well, if Mr. John Galloway was a structural engineer,

Fry: Well, if Mr. John Galloway was a structural engineer, where did Mr. Derleth fit in?

Foster: Derleth did the consulting work on structural design.

You see, Galloway was a partner of Howard's. They

were partners, but Derleth continued to do the

consulting work for them for many years.

Fry: You mean he would help them here on the campus?

Foster: Oh no. at his office in San Francisco.

Fry: Didn't Howard in 1910 try to withdraw his agreement to do the campus work for 4% of total building costs?

And the regents hired a Mr. Atkins for Buildings and Grounds department to have charge of furnishing Boalt Hall and the new library?

Foster: That was for the furnishings only; Atkins designed and supervised the making of all the furnishings for

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Foster: the Library and Boalt Hall and many of the other buildings. Then later on Howard got around and got another contract with the regents in which he was to get 6% of everything that was done on the campus west of Piedmont avenue.

That's why Howard fought me, fought the development of the stadium in its present location--because it was east of Piedmont evenue and the fees would be out of his contract.

Mr. Howard and I often had clashes when I went in as University Engineer. For instance, the design and construction of the Women's Swimming Pool, located just north of the Hearst Gymnasium: he put his finger down unless he could take and review everything in the design.

Fry: This was before he had the agreement?

Foster: Oh no, that's when he had the agreement with the regents. But what tickled me was when Mr. Howard got my plans of the pool, he gave them to Professor Derleth to review and check. Of course, I was working for Professor Derleth, so he called me to his office and said, "Where are your computations?" and things of that sort. I showed Derleth my design, my computations, and so forth. The same procedure was done with Professor Hyde for the checking of the pipe lines,

Porter:

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Professor Tyle fur the checking of the pipe lines,

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Foster: filter plant, etc.

Fry: You were working for them at the same time, so you in effect reviewed your own plans.

Foster: Yes, I was working for the University, but then on
the outside I worked for Professor Derleth and for
Professor Hyde, and so I got paid twice for the same
job. (laughter)

Fry: But Howard, as you say, did get 6 percent instead of four.

Foster: Yes, he did get up to six percent and in that he was quite a stickler, very much of a stickler on his contract.

In 1909 Howard's office designed and built the Hygiene-Pathology Building; about 1913 they wanted more space so I designed the annex, the T section onto that building, but Professor Howard got his six percent of the cost of the structure. It was constructed partly by the Grounds and Buildings Department and partly by outside contractors.

Fry: He actually did go over the plans for everything, though?

Foster: Yes. And then time came to build the new running track in 1914. Well, I designed it and with Walter Christie, the track coach. I did a lot of research on things of that sort, but when it came to the construction Professor Howard put his foot down. He wouldn't approve of the design until he could review

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Costens: re , I was warrian for the University, but them on the outside I worked for Professor Derleth and for professor refersor re, and so I got paid twice for the state job. (laughter)

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Foster: the plans and layout. But that didn't bother me because the Associated Students appointed a committee of three to supervise and approve all the plans on the running track and I was made chairman of that committee, so had the final say-so in the plans.

Fry: So you still had the last word; you reviewed your own plans again.

Foster: I still had the last word. (laughter) About Howard-Professor Howard had lots of ability.

Fry: He really lived up to his reputation, then.

Foster: Oh, he lived up to his reputation and through it all he was always the gentleman. He never flared up over it and you never saw him blow up. He was always the gentleman. Of course, he could get up on his high horse over some things as when the stadium came along and the problems that came up then.

Of course, I'm still pretty sore about the stadium project because I was threatened on more than one occasion that if I were too vehement about my ideas on the stadium location and design they'd tie a bomb to me and kick me out of the University because Howard's plan had more or less been settled and accepted by the regents, and they didn't want to go through it all again. But I was a close personal friend with Professor Frank Probert, chairman of the

Foster:

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Stadium Committee. I could always go to Frank with Foster: my problems.

Who were the people who were so vehement about it? Fry:

Robert G. Sproul, particularly. Foster:

Oh, I see. Merritt was still there, wasn't he? Fry:

Foster: No, but Ralph P. Merritt was one of the committee on the selection of the stadium site.

> Of course, later on, about 1925, I had advocated that they build a major stadium and pavillion for basketball and pageants on the Gill tract in West Berkeley, also a major building for the staging of the basketball games, pageants, and civic affairs. In those days the Associated Students used to stage their basketball games in the Oakland Auditorium.) Then in addition it could be used for exhibits and big gatherings and conventions and things of that sort. Yes, that's the tract up here north of the campus,

Fry: is that right?

Foster: The Gill tract is located west of San Pablo avenue between Buchanan street in Albany and the Berkeley-Albany line.

Fry: Now, you had the other stadium here, didn't you, when the Memorial Stadium was built?

California Field? Yes. That was built in 1904. Foster: Well, was that inadequate or was it that people wanted Fry:

Tradium Cor mitte. I could always go to Frank with to ter: . emeldeur "

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California Field? Yes. That was built in 1701. 1-51404 Well, was that inadequate or was it that people wanted

: 780'.

Fry: some kind of a monument for World War I?

Foster: That was part of it, but the land was--you see, it was the site where the Hearst gymnasium is now located and they knew that it was a potential classroom building site. Then the thing was inadequate in size as to capacity. They wanted something for 50,000 or 60,000 seating capacity.

In 1917 I pulled or moved the bleachers apart in California Field to make the field large enough for the game of rugby. Rugby takes a wider field. I worked with Derleth on the design of the bleachers at the north end of the field. In 1910 I had worked and put in the drainage system. The playing field would get awfully muddy during the rainy season, as the soil of the field was a heavy clayey soil.

Fry: Is this the gymnasium for men now?

Foster: Are you thinking of Edwards Field? It was built in 1931. I started the designs about 1924, but it wasn't brought to light until about 1928. The meeting for reviewing the designs had been called off.

Later Frank Kleeberger, who was head of Physical Education for Men, was in Comptroller Sproul's office. Sproul had a telephone call, and Frank looked at the designs lying out on his desk and said, "When did you make these, Herb?" And I turned the plan around and

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THE OFFICE OF ENGINEER BECOMES PARALLEL
WITH DEPARTMENT OF GROUNDS AND BUILDINGS

Fry: The office of the University engineer always remained under the comptroller, didn't it?

ARREST CONTRACTOR OF THE PARTY OF THE PARTY

Foster: Oh yes.

Fry: I noticed in the records that the University engineer was under the comptroller and the superintendent of grounds and buildings was under the president, until Campbell's term in 1926 when both positions were put under the comptroller.

But the superintendent of grounds and buildings was an appointee of the president of the University.

When the comptroller's office was established Ralph Merritt developed his office to take over the Accounting Department and the Purchasing Department and the University engineer. When President Campbell came into office he took to himself B. F. Raber and Baldwin Woods of the Department of Mechanical Engineering as engineering consultants. They wanted to do and control all the engineering work of the outlying campuses.

Mrs. Woods was a rabid card fiend. And, of course, she played the organ down here at the Trinity Methodist church in Berkeley. But Baldwin Woods tried

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Foster: to grab my job away from me.

Fry: Did he want to be the University engineer or to just

have that office under his wing?

Foster: Have it under his wing.

Fry: Do you know what any of Woods! ideas were for

Southern California at that time?

Mr. Woods went down to the Scripps Institution at La Foster: Jolla and once he saw the picture and the needs of repairs to the pier he took it upon himself to do something about it. Of course, at that time the Scripps Institution got practically no financial assistance from the legislature. It all had to come from the Scripps interests. He also happened to meet up with Clarence Wesley Crandall who was the business manager at the Scripps Institution. (Later on he was business manager for Ellen B. Scripps and E. W. Scripps' interests.) The two of them talked about the pier and Mr. Woods said he had to do something about the pier, so Crandall immediately notified me because we had been very close friends for many many years. (since 1911). Apparently a report had been made by Woods that came to the attention of Comptroller Sproul, so Mr. Sproul called me into his office and said, "Do you know anything about the pier at La Jolla?" I told him no, I hadn't been down there for some months -- he hadn't assigned me to go down there.

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Foster: He said, "Do you know anything about what the president's office is trying to do to get control of the engineering at all the outlying stations?"

I said no, I didn't know it.

Fry: By "outlying stations" what do you mean?

Foster: The campuses and stations throughout the state other than Berkeley. He said, "Herb, you're in a bad way, aren't you?" I said, "Well, I don't know. I just heard from Crandall saying that he had seen Baldy Woods; he had commented on it."

I also found out that a report had been made by Professor Derleth. So I went out to see Derleth.

And he said, "Well, I'll correct it." So he took the phone and he got President W. W. Campbell on the phone and said, "In my office is Herbert Foster, the University engineer, in regard to the condition of the pier at La Jolla." He said, "I had written a report and some recommendations about repairs to the pier.

Foster has been the engineer for the University for 15-odd years; he has done a lot of engineering work for me over the years."

He said, "He is not the most brilliant student to come out of the University, but for all the years he has done things for the University he's never gotten the University or the regents into a bad situation.

Foster:

He seid, "Do you know anything about what the president's office is trying to do to get control of the engineering at all the outlying stations?" I said no, I didn't know it.

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Ey "outlying stations" whet do you mean?

The campuses and stations throughout the state there than Berkeley. He said, "Herr, you're in a bad way, aren't you?" I said, "Hell, I don't know. I just heard from Crendell saying that he had seen Baidy Woods; he had comented on it."

I also found out that a report had been made by Professor Berleth. So I went out to see Derleth.

And he said, "Veli, I'll correct it." So he took the phone and he got President W. W. Campbell on the phone and said, "In my office is Herbert Poster, the University confineer, in revers to the condition of the pier at La Jolla." He said, "I had written a report and some recommendations about repairs to the pier.

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Foster: He's done an excellent job. So long as he is still the University engineer you should go to him to get your advice and then advise me as to what you had in mind for repair to the pier. Follow his advice, thank you." And then he hung up the phone.

Well, I was called in the next day and President Campbell wanted to know what to do. I said, "All right, I'll go down there and I'll see if we can get the money for the repairs." It takes money to do such things. I contacted Mary B. Scripps and E. W. Scripps and they said that they would provide the necessary funds for the repairs, and it was eventually straightened out.

Fry: How did Campbell feel about Woods going down and making the engineering reports and so forth?

Foster: That was really Baldwin Woods' downfall, because he hadn't done the particular thing that he was assigned to do, i.e., look over the Vermont Avenue campus.

For years I had been working on the problem of combining the Grounds and Buildings Department and the University engineer's office. So Mr. Sproul had called me in to offset that because President

Campbell had put a request in his budget for starting an engineer's office under the president. For years I had been trying to have the superintendent's office

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Foster: of the Grounds and Buildings Department and the University engineer's office combined as one office because there was so much work that I as University engineer was doing for the Grounds and Buildings Department in connection with the campus utilities and the building construction, most everything of an engineering nature on the campus. So I told advised Mr. Sproul, "Why don't you make the Grounds and Buildings and the University Engineer's office into

And this he did. It got by. President Campbell had confidence in E. A. Hugill, the superintendent, because he was his appointee. He knew that he could talk to him and get results. So that happened in the early Twenties.

one department and take over complete supervision?"

The comptroller's office used to have monthly meetings and at those meetings both Hugill and I would attend on an equal basis, and I continued to do the odds and ends of engineering design and supervision work for Mr. Hugill. Then, about 1929, I designed the two-story building to house the Grounds and Buildings Department, together with the offices of the University engineer. It is located east of Sather Gate. I then moved my office from the attic of California Hall into it.

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Fry: Yes, both departments were under the comptroller; the break had been made and approved by President Campbell.

After Sproul became president did both departments remain under the comptroller?

Yes, under the comptroller. The organization sort of Foster: broke up. When Ralph Merritt and later Robert Sproul was the comptroller it was part of the organization procedure to have a group meeting once a month, a luncheon meeting of all the heads of the comptroller's At those meetings we discussed certain office. problems that came up in the department. usually had a prepared talk ready and then there were discussions. Oh, that procedure went along even when Sproul became president. He used to come over to those meetings; it was run then by James Corley. The assistant comptrollers from the other campuses usually would come to Berkeley for those meetings, from San Francisco, from the medical school, and from Davis, and from UCLA and Riverside. I don't think La Jolla was tied in at that particular time. from the principal campuses we had a direct representative of the comptroller's office -- he was called an assistant comptroller. I don't think they've had those meetings for 15 years now.

Fry: Were these meetings of the comptroller's office or--

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Foster: Of the comptroller's office staff. And that included the engineer and also buildings and grounds. Just the top men, the assistants. Once in awhile they would bring in another member of their staff.

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THE HUMAN SIDE OF A LARGE UNIVERSITY

Ralph Merritt, Comptroller

Fry: Ralph Merritt was your immediate superior while he was comptroller, wasn't he?

Foster: Yes. Ralph Palmer Merritt and I first got together in 1890 on the ranches of Henry Miller and Lux in the San Joaquin Valley. Merritt's father was the secretary to Henry Miller and at vacation times Ralph used to go to the Santa Rita ranch on the San Joaquin river, and I used to go to the Dos Palos ranch under D. A. Leonard. As kids that's how we first got acquainted. You remember I told how my father and Henry Miller grew up as kids back in Magdeburg, Germany from about 1830 to 1846 when they both ran away from home. Then here in California my father used to expert the books for the Henry Miller ranches and stores.

When Ralph came to college he and I made our contacts again. Ralph Merritt grew up in Oakland, lived on 35th street and Telegraph avenue. A couple of blocks from there he met his future wife, Varina Morrow.

Of course, Ralph majored in agriculture and I

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Foster: used to marvel at his ability. The day he graduated
Ralph Merritt was making \$5,000 a month, where the
ordinary person was making \$75 or \$80 a month. He
was graduate manager of the Associated Students and
he was secretary to President Wheeler. Of course there
was a tie to Wheeler because they both belonged to
Alpha Delta Phi fraternity. He held the position as
president's secretary for several years.

Then he and Varina got married and started for Europe for their honeymoon. He got sick on the way. (Ralph, as a boy, hadn't been too rugged; his father wanted him down on the ranches in summer vacations.) So Ralph came back and got a job as manager of the Miller and Lux ranches. I think his starting salary was \$10,000 a year.

He didn't stay with Miller and Lux for many years. Ralph gave up his job when Henry Miller reprimanded him for befriending one of the cowboys who fell through a fence or gate and in his fall accidentally was shot by his own pistol. At that time Merritt came along in his automobile and took the cowboy to the hospital for treatment. Henry Miller objected to this procedure and pampering, saying, "There are lots of cowboys, lots of men, and you don't have to beby anybody." But that was Merritt;

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used to marvel at his ability. The day he graduated Ralor Merritt was making 5,000 a month, where the credinary person was making 75 or \$80 a month. He has graduate manager of the Associated Sturents and he was secretary to Prosident Wheeler. It counse there is a tie to Wheeler because they both belonged to Alpha Delta by frate mity. He held the resident's scoretary for arveral years.

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Foster: he looked after and had an interest in all his people that he had contact with.

I recall that his week's program of work was to start out from San Francisco and go all the way down to Bakersfield and then come up through the valley visiting all the Miller and Lux ranches. Anyhow, this incident brought a break between Miller and Merritt so he quit.

Ralph Merritt was a close friend of Guy C. Earle.

You should get an interesting story about Guy C.

Earle, his early life and rise to fame and fortune.

It was at that time when the "pink lady," Victor

Henderson, was the secretary of the regents; he was a

fine man but not too strong as a business man.

Foster:

Fry:

Where did this name of "pink lady" come from?

I'll have to go and find out from Frank Stevens just how it came about. But Victor Henderson wasn't too strong a manager and the University was at a sort of low ebb in regard to getting funds from the legislature and so forth. And so Guy Earle and one or two of the other regents thought they should have a capable business manager, a comptroller. And that's how the regents created the position. Merritt was offered the position and made comptroller. And the "pink lady", Victor Henderson, continued to be secretary to the Board of Regents. Then after a few years

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Foster: he resigned from the University and traveled. And so Ralph Merritt became both comptroller and secretary.

But there were certain particular principles
that Merritt held to. I recall he heard me one day
say that I worked for Ralph Merritt. And he came over
to me and said, "You don't work for Ralph Merritt,
you work with Ralph Merritt. We both work for the
University of California, so don't forget that."

And he also pushed me into contacts with many of the regents. He often said, "Contacts, outside contacts for the University are the biggest asset that the University can have;" he said, "make contacts." He also said, "Don't be afraid to do a little bit more on your job. The job will repay you." In all the years I was there with Ralph Merritt I never asked for a raise; it was automatic.

When I had been to one of the various campuses or stations on business, the first interview I had when I'd return was with Ralph Merritt. He'd ask me what I'd found out, what did so-and-so say; he felt that the comments that people would make to me might be a lot different than what he would get in his contact with them. It was to get the undercurrent and the attitude of the other University personnel.

All through the regents' minutes there was not really

Fry:

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Fry: any mention of anybody who worked for the University except Ralph Merritt. Often they would pass a resolution, every month or so, commending the work of Ralph Merritt. Is this a reflection of the true state of affairs?

Foster: In going to the regents' meetings Ralph Merritt usually dominated the meeting.

Fry: Over Wheeler?

Foster: Yes. He dominated the meeting. He was virtually the head of the table; he dominated the meeting. He would review the problems of the University at hand and give ideas of solution for each particular problem.

And the regents would usually follow his advice.

But, as I say, it was so different later when Robert Sproul came in as comptroller and secretary. For years the regents didn't take Sproul under their wing.

Fry: You mean when he was comptroller?

Foster: Yes.

Fry: Where was Wheeler in all this? Now at each regents' meeting Wheeler gave a report, and then was that about all that he did?

Foster: Of course, the relationship between Ralph Merritt and
President Wheeler was a very close one. As I said,
Merritt had been Wheeler's secretary, had written
many of these regents' reports for Wheeler. So

Fry:

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Fry: Was he a sort of power behind the throne, then, in the early second decade?

Foster: Merritt? Oh, yes; but it was all done thoroughly.

Merritt rarely left the campus to go to San Francisco

or to go to Sacramento or to Fresno without taking

somebody along with him. It might be a student; it

might be a professor; it might be a businessman whom

Ralph Merritt would take along on the trip, continually

cultivating friends to know the inside workings and

policies of the University.

Fry: Merritt also helped a great deal when Wheeler's health started breaking, didn't he?

Foster: Another thing about Merritt, at least in his relations with me, he always gave credit where credit was due.

He wouldn't go to the regents and say, "This is my report." He would say that someone had made an investigation or study and he'd give them the credit.

On the many things that I did he'd give me the credit, so it gave me standing with many of the regents. And then, as I say, he pushed me toward the regents—found things I could do to help A. W. Foster, John A. Britton or to go to Louis Taussig or any of that group.

As I say, those are the advantages that he gave me.

"Come to the regents' meetings. Get those contacts," hw would say.

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"Come to the regents' mertings. Let those contacts," he wo is say.

Fry: You started to tell a little story about Earle. Did

Merritt get his position through Earle?

Foster: I think principally so. He had the backing of Earle and his brother.

The Earle boys had come as kids with their mother to Independence, down near Fort Independence in California; the father had died. The kids used to go out and pick berries; their mother used to make berry pie and the boys would go over and sell them to the personnel at the fort -- Fort Independence. got the love for the out-of-doors. Both boys got a good education; his brother, of course, started the Earle Fruit Express, which was the forerunner of the refrigerator car system that we now have all over the nation. His brother didn't like to go back to the old place at Independence. But Guy C. was the outdoor man. I've been on a couple of trips with him; he liked to ride a horse; he'd get on a horse and "Whoa," he says, and hollers and shouts and things of that sort like the real cowboy. He used to go fishing a good deal up in the Feather River.

The development of the Great Western Power Company was his dream, the development and construction of Lake Almanor and the building of the Western Pacific Railroad up the Feather river and over the Sierras.

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The development of the Great Western Power Company was his dream, the development and construction of Lake Almaner and the building of the Western Pacific dailroad up the Feather river and over the Sierras.

Foster: And I recall one time he was particularly happy. He had gotten back from a meeting of the stockholders of the Western Pacific Railroad in New York. The New York financiers thought they saw a chance of gobbling up that railroad. But Mr. Earle reported that all the bonds and things of that sort had been picked up. He had kept the control of the Western Pacific Railroad out here on the Pacific Coast.

Fry: His influence was very widespread, wasn't it?

Foster: Very wide. Oh, but the thing is that I see in reading about some of the regents of today is that they don't seem to have the same attitude toward the University, the bigness of doing things for the University.

Fry: You mean...

Foster: The vision they used to have in the development of the University. One thing that Merritt used to do, and I don't think the regents' Grounds and Building Finance Committees do it today: the regents would come over to Berkeley every couple of months and go around the campus and review and see what they wanted to do for a new building or a development here and that sort of thing. They knew the details and the conditions at the site of development.

Fry: They actually saw the physical object.

Foster: Yes. They saw what the problem was and made their

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Poster:

Foster: plans for accomplishing it.

Fry: Is it because we have built up our empire now and our pioneering spirit is gone?

Foster: I don't know. I don't know what's happened. I don't have the contact. I don't have the close relationship. to the University or to the people making these plans.

I don't get the confidence of the present Board of Regents. I don't know; it's beyond me.

Fry: It's so complex now, too; it's almost too much for one man to educate himself about.

Foster: One thing, I was glad I was at the University during my years. We kept the control of all the engineering for all the campuses here in Berkeley. And therefore we had a closer contact and knew what they needed.

Fry: So that one man like Merritt really could be a center point for knowing all this information and at the same time disseminating it to the regents and other influential people.

Foster: Yes. Another thing is this. In recent years, well,

I call it organization. There's too much organization.

They build up big organization and divide all their duties and things of that sort and they don't get the centralized picture so that the person knows what it's all about.

Fry: No one person has a comprehensive picture of the

Foster: plane for accomplishing it.

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Fry: needs, is that what you mean?

Foster: Yes, that's true. That is one of the big problems.

Fry: Do you think that this really does affect our communication with the legislature?

Foster: I think it might. I can't see how it could be otherwise. But, as I said, a good part of it is the relationship of the regents and the contact of the regents with these various problems, the overall picture.

Fry: Merritt did so much, as you pointed out, on a personal level, actually being able to get down and play poker with the legislators in the capitol back rooms.

Foster: Yes, but, as I say, it wasn't only that the University became more complex. We've got to be very emphatic that after Ralph Merritt pulled out from the University it took Robert Sproul quite a few years to gain the confidence of the regents.

Robert G. Sproul, Comptroller and President

Fry: Do you think that Merritt was able to help Sproul set up any system of contact with the legislators that carried over very much when he took over?

Foster: Well, they were two different personalities, very different personalities, and then--

Fry: needs, is that what you mean?

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Post : Yes, that's true. Thut is one of the bir problems.

No you think that this really deep affect our

Commission with the legislature?

relationship of the regents and the could be there wise. Fut, as I said, a good part of it is the relationship of the regents and the contact of the regents with these various orotlems, the overall pinture.

Merritt it so much, as var pointed out, or a plantal level, actually being able to get nown and ploy poker with the legislators in the countral pack rooms.

learne more complex. When not to be vary embatic learne more complex. When not to be vary embatic learne alor hereits pared out from the Paiversit, it took Robert Soroul quite a few years to reducte outfilence of the regents.

Robert G. Sproul, Compendler and President

Do you thisk ship Merritt was able to help Sproul as the up try system of contact with the legislators that corried over many much when he took over.

boot r: Well, they were two different personalities, very different personalities, and then-

Fry: You mean his and Sproul's were different?

Foster: Yes. I've told you a story about Sproul, haven't I?

Fry: No, at least not on tape.

Foster: In the early part of 1914 there was an embezzlement at the University. The cashier, Harry Wright, borrowed some money from the University to play the horses at the Shell Mound (Emeryville) race track.

You take the cashier of an institution as big as the University of California--it carries dignity and prestige. Yet he was being paid only \$75 a month.

Fry: Was this under Merritt?

Foster: Yes, he'd been there; some years before that in 1902

McKowen, the former cashier, had done the same thing,

played the ponies at Shell Mound Race Track and

borrowed the money from the University till.

Fry: Because his salary was so low, or...

Foster: Yes, and Harry Wright was a likable guy. Many of us never blamed Harry Wright; we blamed the organization. This happened only a short time after Ralph Merritt came into the picture as comptroller. Merritt had picked a successor for the position of cashier and assistant to the comptroller. Paul Cadman, a very promising young economist, a graduate of the University and tops in his line. I recall that in the late spring or early summer of 1914 I was on the second

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Foster: floor of California Hall. Ralph Merritt came in and came directly over to me and said, "Herb, I've got bad news. I've just been up to see Paul Cadman and Paul has tuberculosis, and his doctor said he will have to go and live on the desert for a couple of years. What the dickens am I going to do about a cashier and an assistant?"

And I said, "Well, how about this kid who graduated last year in engineering? He's working for Charlie C. DeWolf, the personnel officer for the City of Oakland. I've known this kid for years. He used to go out for track while in college. You might remember him; he had a big bellowing voice; he used to announce the events at the track meets. I knew the kid from high school and before that when he lived at 26th and Noe streets in San Francisco. I'll go in and call up this fellow DeWolf. I've known Charlie for a number of years and I think he'll be free to talk with you."

So I did. I went into Mr. Merritt's office and phoned him and told him my boss wanted to speak with him about Bob Sproul. Mr. Merritt talked with DeWolf and asked him to send this lad out. So Bob Sproul came out the next day, had the interview with Mr. Merritt, and he got the job as cashier.

Poster:

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Foster: I related this incident to Dr. Kerr several years ago after that at some function for one of the comptroller's office force who was retiring from the University. Ida Sproul was pouring. I related to a group about telling Dr. Kerr this story and said, "You know when Bob worked down there in the City of Oakland he used to take a lunch and eat it down in that little plaza in front of the City Hall. Oh, there are a few others that used to do the same thing. I remember one kid,

she worked for Frank Mott, the perennial mayor of

remember that kid, don't you, Ida Wittschen?"

Oakland." Then I nudged Mrs. Sproul. I said, "You

And she turned around and she said, "Yea, now let me tell the story." She said, "Yes, I worked there in Mayor Mott's office and I used to take a lunch and eat it on the plaza and that's how I got acquainted with Bob Sproul. And later on I married him. In those days Herb's wife Milicent would call me or Herb would call Bob and say, "Come out to the house tonight and do our baby sitting; we're going out to a dance or a party." And so Ida and Bob were our baby sitters before they were married, and they continued as our baby sitters for years after they were married. So that's my contact with Bob and Ida Sproul.

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Sproul and Merritt Contrasted

Foster: One thing that I wanted to bring up was the attitude of Sproul. After Merritt left Sproul of course saw his opportunity, and he was moving ahead pretty fast. So he wanted to get credit for everything. I know when I'd write reports on University problems Sproul would often take them and rewrite them and take them into the regents' meeting as his own. He wanted to be the big shot, in other words.

Fry: Did Sproul have the same intuitive knowledge of public relations that Merritt had? Was Sproul very good at this sort of thing.

Foster: He wasn't of the same caliber as Ralph Merritt. Well,
I can explain it to you this way. Ralph Merritt

promised Guy C. Earle and some of the other regents
that he would only stay a limited number of years
with the University until he'd gotten the University
on a sound financial footing in all its relations,
including its contact with the legislature. And of
course the First World War came along and he became
food administrator for California under Herbert Hoover.
Then that position was expanded to take in all Pacific
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Foster: administrator. I recall a meeting at the wholesale food exchange in San Francisco; there were the representatives of the different produce houses and things of that sort.

Fry: Oh, they sent their representatives to this?

Foster: Yes. The door closed and they were bidding on the price of the various commodities. It was usually the last price of the market of the day that went out over the wire setting the price of that commodity for the coming day or until the next time they would meet.

Of course, at the end of the market someone would bid up prices in order to increase their bid price, although no sales were made at this price. But Merritt wouldn't go along with this procedure, he made them use the average of the prices of the actual sales that were made that day as the price that would go out over the wire. They challenged his authority.

Fry: Yes, I can imagine.

Foster: He said, "As food administrator of this area under the direction from the President of the United States,

I will continue to do this and do that."

I recall another episode. Mr. Merritt was going up to Sacramento about the rice industry; it was a deal with the rice dealers. I met Mr. Merritt on the train returning to Berkeley and I said, "Well, you

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Foster: had a big day." He said many of them in committee had challenged his authority on things of that sort because they wanted to set a fictitious price for rice. He told them, "I have certain contracts for the purchase of rice now stored in various warehouses that I could acquire, and today I bought a mill to mill my own rice and set the price at such and such." He was a man of vision and things of that sort. He won his point and kept down the price of rice.

His contacts with the government during that food administration stood him in good stead later.

He got all the prices of commodities from all over the United States so he knew the price of things of that sort.

Fry: This helped him later on with his raisin industry.

Foster: Yes. Of course, he had to play politics and he had to pull chestnuts. Later, the Raisin Growers'

Association put him on a job and paid him \$100,000 a year. You know you must have some ability to do that.

But when he had to play politics he pulled chestnuts for some of the raisin interests, and it put him in the doghouse.

Fry: Why?

Foster: Well, because they were conniving -- illegitimate business, and things of that sort.

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editor: Well, because they were commining--illegitimate business, and things of that sort.

Fry: You mean later, much later.

Foster: Yes. I've always kept in contact because Ralph Merritt has asked me to come down to Los Angeles and visit him; we keep in close contact like that.

Fry: I'm not sure that I have really in mind the contrast between Sproul and Merritt. I'm wondering how Sproul would handle the regents, for instance, that was different from Merritt's handling of the regents?

Foster: He didn't. They handled him.

Fry: Oh. In other words he was not the person who could stand up forcefully and say, "I am an authority."

Foster: It took quite a few years before they accepted Mr.

Sproul as the leader of the comptroller's office.

And then again they must have sensed that he was trying to pull himself up. Of course he always had that wonderful voice.

Fry: How does this help him?

Foster: To meet the public and in his talks and things of that sort. Mr. Merritt was no public speaker. Also, there was this kid, Harold Ellis, there in the early Twenties. When Mr. Sproul was contact man at the legislature of Sacramento this young reporter, Ellis, for the Sacramento Bee up there, knew agriculture and used to take Sproul to task on many subjects. In a little trip over to Davis this reporter mozied along,

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Foster: and he influenced a good many of the senators in California. And I recall that I told Bob Sproul, "The only thing to do with a fellow like Ellis is to hire him." And so he did. That was Harold Ellis; he came down to Berkeley as the University's publicity man about 1923. Of course, I knew Harold Ellis in connection with the filtration plant at Sacramento. He was working for the Sacramento Bee. After Harold and his family moved to Berkeley, he often pointed to me and he said, "You know, when I came to Berkeley this was the first fellow that took me in; he took me in his home and gave me food and gave me a roof over my head." I'm happy to still be close to Harold Ellis and his wife.

Fry: How would you evaluate Sproul as a comptroller and Sproul as a president? In other words, in which job did you think he was better?

Foster: I would hesitate to say. When Sproul became president, as I said, he very often attended the comptroller's staff meetings; he tried to carry on the dictation of the policies of the comptroller's office even as president.

Fry: I've heard that said of a number of departments under him.

Foster: He tried to dominate the policies.

Noster: and he influenced a glos many of the senators in Salifornia. And I rosell that I told Bob Sprus!

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Women's Faculty Club and Men's Faculty Club

Fry: Another thing that you might tell about is the beginnings of the Women's Faculty Club here on campus. You said that your wife, Milicent ---

Foster: Well, it was when I was working for the civil engineering department. My wife, being close to the Derleths and Hydes and Etcheverrys, was invited around socially with that group, they, together with Mrs. Wheeler, wife of President Benjamin Ide Wheeler, started the Women's faculty group back about 1906 or 107.

What gave rise to this, do you know? Fry:

Foster: Social only.

And there wasn't a really organized group of women Fry: here before that?

Foster: No.

Fry:

What sort of functions did they have at first? Foster: Oh, they used to have parties and they used to invite

their husbands and other couples on the faculty to dinners and dances. Milicent and I often went to Derleth's home on Webster street and up at the Hydes! home on Buena Vista Way, who had a big home. And then the women's group used to meet over in the women's gymnasium, Hearst Hall.

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Fry: What did they do for recreation then?

Foster: Well, they played cards. They had social teas; I used to attend at their faculty teas when the husbands were invited.

Fry: The husbands came along?

Foster: Well, they invited the husbands, too. Of course, you see, the husbands had already had their club started.

They took over the Pyra Club and the old D.A. (Dining Association House), which was operated by the students under Brasfield as an eating establishment.

Fry: For faculty men.

Foster: Yes. It originally started as the Pyra Club. That
was a group of boys who lived in an old shack that
later became the faculty club where they lived. The
faculty men ate their meals at this other place, the
D.A. (The Pyra Club boys were the fire department on
the campus.) And then when I was at college the men
used to have luncheon and later on dinners at this
place that was called the D.A., the Dining Association.

Fry: Explain to me who these members of the Pyra Club were. Students?

Foster: Yes, students.

Fry: And then that became the dining club. Well, does this lead into the Men's Faculty Club?

Fry: What did they do for recr stion then?

Foster: Well, they played cards. They had social teas; I used to attend at their faculty teas when the husbands were invited.

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Fry: And then that became the dining club. Tell, does this lead into the len's Faculty Club?

Foster: Yes. Later on the University took the building away

from the Pyra Club and it became the faculty club

until a new clubhouse was constructed.

Fry: There at that spot?

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Pry: There at that spot?

Foster: Yes.

NEW CAMPUSES ARE BORN

Davis

Professor Howard did some work at the University Farm Foster: at Davis. Cunningham and Politeo were the architects for the first main buildings for the University Farm at Davis. Of course, one thing early in the development that Howard did was the elevated tank and one of the other buildings. And a few years later the first administration building was constructed. Of course I knew Huber. Walter Huber. The principal construction problem here at the Davis campus are the soil conditions. I advised Walter Huber that one has to prevent the water from getting into your foundation, and so on all the buildings at Davis we put skirts out from the foundations to drain water away. When I go to Bavis now I often go around, inspect, and see if I can find any cracking in those old foundations and things like that that I put in back in 1911.

And they are holding up pretty well? Fry:

Yes, but that was the result of my experience with Foster: Professors Hyde and Derleth and with Fred Tibbetts. It was the practical application of the things that I learned in class through these instructors who were

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Professor Howard Mid sold wirk at the University arm at Davis. Cundisplem and Jolites here the arenitects for the first and lotletas for the university Warm at Davis. Of corres, one thing early in the development that Howard old was the elevated that and one or the object buildings. And a few ears object the linet administration building a constructed. . . . course I knew Figer, Waller Tiber. The principal construction problem here of the Laris engineers be all chaditions. I cay as welter Suber that one has to prevent the water from gotti g into year "condation, and so on all the haildings at Davis or put skirts out for the "manufilms to irein water and." I me to ravis nor I often vo amound, inspect, and are is I can find any proching in these old stundations . If I is a like finit shit is not in back in 1911.

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It was the precised application of the things best learned in class through those instructors who were

A little one holding as section well?

Foster: tops in their line.

Fry: So that you could become the technician. When did you start your own work on the Davis campus?

Foster: The regents started acquiring the property for the University Farm in 1906. There was a fellow by the name of Moore that had come out from the University of Iowa, the agricultural school at Ames, Iowa. He was going to take some work at the University in agriculture. So I interested him to help me in making the surveys of the property lines, setting corner monuments and making a detailed topographic survey. And we made the surveys. I ran out all the lines according to the deeds, and at the same time we made topographic surveys, so I got all the contours and made a map showing all the contours of the original acquisitions of the University. I recall that -- it must have been in the late Thirties. In the office of the irrigation department they were planning to lay out some new drains in the northwest corner of the Farm. They had a rough sketch map of the proposed development. I told them about the old ditches of the Putah Ditch, which traversed the area, and told the group that they would have to get more detailed information. Professor Frank Veihmeyer, head of the irrigation department, said, "I have an old map."

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I looked under the corner of the map, and I said,

"This is mine." It was my initials, HBF, and there was a date, 1906.

Scripps Institute of Oceanography

Fry:
Foster:

When you worked down at Scripps, you designed that pier?
Yes, the design was all mine, including the sea wall.
The first building of the Scripps Institution in 1911
was designed by a man who was an engineer in the
Santa Fe Railway Company office in San Diego. I
worked a little bit with him on that first building.
I was not at La Jolla when the contractor started that
building. When I returned I blew my top because they
had located the building too close to the cliff. So
the next year it was up to me to construct a sea wall
to prevent the sea from picking that building off.

I got to the Scripps station once when there was a big storm ragin that brought in and piled up tons of gravel onto the beach in front of the station.

I told Clarence Crandall, who was the business manager, "Clarence, this gravel is too valuable to lose. Let's reclaim it." So we got some trucks and things of that sort and went down on the beach and hauled tons--

Poster: To ment and dug out the map and he said, "I have to be careful of this. It is the only one we've got."
I looked under the corner of the map, and I said, "This is mine." It was my indicas, HEF, and there was a date, 1906.

Fry:

Seriops institute of ceanography

Then you worker fown at Scripps, you designed that wierly yes, the design was all mine, including the ses wall. The right building of the Scripps Eastitution in 1911 was designed by a new who was an engineer in the Santa he Railway Jorpeny of ice in San Piege. I worked a little bit with him on that first building. I was not at la Tolis when the contractor started instantial initials. Then the contractor started instantial located the building too close to the cliff. So the next result was not on the building the construct a sea wall to prevent the sea from picking that building off.

Tark to the periphs station once when there was a big storm ragin that brought in and niled up took of provel onto the beach in front of the station.

I told Charence Crandall, who was the business manager, "Clarence, this gravel is too valuable to lose. Let's reclaim it." So we got some trucks and things of that apprend on the beach and hauled tons-

Foster: cubic yards--of this material up on the bluff for later use. It would not have stayed long on the beach because the next storm might have happened in the other direction and washed all this gravel out again--out into the drink.

Fry: E. W. and Ellen B. Scripps were the ones who supported the Scripps Institute?

Foster: Ellen Browning Scripps was E. W. Scripps' sister.

The two of them contributed most of the money that built the Scripps Institute in its early years of development. You see, Ellen Browning Scripps lived in La Jolla, and E. W. Scripps lived easterly at Miramar. And during the early construction of the institute he'd come over and he'd ask me about this and ask about the work. He was very much interested in the construction program. And during the construction he'd say, "Well, how much would this cost and how much would that cost?" A couple of days later he'd come over with a check to do this and do that. He and his sister were the fairy godmother and godfather of the institute.

It used to get my darn goat, even back in those years--I'd tell the University authorities at Berkeley that they ought to get more land up on the mesa. You see, the University acquired Pueblo Lot number 1298,

Folter: cubic vards--of this material up on the blaft for later use. It would not be a stayed long on the heach course the next story might have happened in the other direction and weshed all this gravel out sering-out into the daink.

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It used to ret my darm rost, even bilk in those years -- it ditted the University sut orities at Berkeley that they ought to get more land up on the mess. You see, the University acquired Pueblo Lot number 1298,

Foster: comprising 163 acres, and right from the start I
wanted to get other lands up on the mesa for the
future development of the campus. That's what they
need now, and that's what they know and they are
going to pay through the nose to get it.

Fry: Do you think Scripps would have bought it then?

Foster: Yes. Bernhardt, (or as my kids used to call him,

"Barnyard Hardt") one of the zoologists, wanted a

little place of his own; he had a family of three or

four children and he didn't want to live in one of

the cottages; he wanted to get his own place. Well,

E. W. Scripps gave him his place, an acre or more on

top of the hill adjoining the University property.

The same with F. B. Sumner and one or two others at

the station.

Fry: Was there any sort of difficulty in negotiating with the county for these lands?

Foster: No. You see, La Jolla is about the geographical center of the City of San Diego. The City of San Diego was one of those pueblo towns that was established by King Philip of Spain and when they settled in Mission Valley they had to have all these mesa lands for their farming and cattle. So when they set up the City of San Diego, the property line extended northerly to near the point at Del Mar.

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Fry: Well, how did the city feel about this being taken over by the University?

Foster: Well, it added a lot to the city.

Fry: I guess the main objection is usually that it takes it off the tax rolls, and was this already off?

Foster: Thousands of acres of this mesa land was within the original pueblo lands of the City of San Diego.

Now they're making all sorts of developments on the mesa. Someone is buying it up for a housing development. That's why the University is going to go up there. The fellow that helped me make the surveys of the Scripps Institute property in 1912 was none other than William E. Ritter, the director of the station.

Fry: Now, he was, more or less, the great academic father of Scripps, wasn't he?

Foster: Oh yes.

Fry: How did he get to know the Scripps? Apparently there was a very close relationship there.

Foster: His wife was women's physician here on the Berkeley campus in the Nineties.

Fry: That was long before they went to San Diego then.

Foster: Of course, there were those early years of the Scripps
Institute when the Ritters lived on the second floor
at the west end of the first building, I lived with

some by the University?

P ster: (cll. it added a lot to the city.

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Foster: the Ritters when I had to make trips to the institute.

Some years later a home was built for the director.

Fry: How did he get interested in La Jolla, do you know?

Foster: I don't know.

Fry: What were the Ritters like? Was Mrs. Ritter a very active person there?

Foster: Mrs. Ritter? Well, yes and no. But a most lovable fine creature was Ellen Browning Scripps. Sometimes in the early development of this station I had to be down there for weeks at a time. Ralph Merritt said. "You can't go away and be away from home and away from your family." He would say, "You take your family along to La Jolla. The University will pay for a cottage or whatever you have down there." Merritt set this principle as a rule; and also at Devis in the early years I sometimes stayed over for the weekend and worked both Saturday and Sunday. Merritt would say, "On Friday night you come home to Berkeley. The University can well afford to pay you to travel back and forth." He would say, "You have a family here and you have to keep in contact with your family. And you can go back Monday morning."

> And so when I went to La Jolla on work assignments I would take the family with me and get a house in La Jolla. We visited around a good deal with the

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Foster: Ritters and Ellen Browning Scripps. And of course
the fellow that we got close to was Clarence Crandell,
Clarence Wesley Crandell. He was instructor out at
the State Normal School in San Diego and he also was
the captain, the skipper of the boat operated for
the station research work. And then later on he
became the business manager of the Institute, and then
later than that he became the business manager for
all the Scripps interests. His future wife was going
to College at Berkeley and graduated in 1911--Laura
Stewart Grandell. And she still lives down there
in La Jolla.

Fry: Tell us more about Ellen Scripps. You visited in her home down there?

Foster: Oh yes. Very gracious and very appreciative of things, but she'd ask lots of pertinent questions about how we do this, and why we do this and shall we make provision for this thing, or should we have a clubhouse where the people can get together. It was a couple of miles from—as my children named it—from "Bugtown" to La Jolla. Bugtown was the Scripps Institute.

Fry: So she really---

Foster: Had a keen interest in what was done and how it was to be done.

Foster:

His fellow that we got close to was Clarence Urandall, Clarence Vesley Grandall. He was instructor out et the State Normal School in San Diego and he also was the captain, the sripper of the bost operated for the station research work. And then later on he became the business manager of the Institute, and then later than that he became the business manager for all the Scripps interests. His future wife was going to College at Terkeley and graduated in 1911--Laure Stewart Crandall. And she still lives down there in La Jolia.

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Had a keen interest in what was done and how it was to be done.

Fry: Her whole attitude was one of simply giving almost unlimited support to this project?

Foster: Yes.

Fry: That's what the University needs now. (laughter)

Foster: Yes, but not to take it from you and me in the way of taxes for the state. To me this is vicious.

Fry: Her brother, E. W., would come down too, you say.

Did he more or less want to keep a check on what was going on, or did he let her have free rein?

Foster: No. During those early years of the construction development period he came over quite frequently from his mome at Miramar. Of course we often had parties and things of that sort over at his home in Miramar; he'd invite us over. On the job he'd ask lots of very pertinent questions, and when he'd see the advantage of something he'd say, "Can you get me some sort of an estimate as to how much it would cost?" And the next time he'd come over, he'd bring a check. Of course the check went through Clarence Crandall, the business manager.

Riverside

Fry: What was John Galen Howard's relationship to architects on these other new campuses, like Lester Hibbard, the architect, at Riverside?

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Riversite

What was John Galen Howard's relationship to architects on these other new campuses, like Lester Hibbard, the architect, at Fiverside?

Foster: (Laughter) Just recently while in Los Angeles I
walked around just to look at one of Hibbard's first
jobs. Lester H. Hibbard had done a job for the
Santa Fe Railroad in fixing up their offices in Los
Angeles, and I reported on what I thought of the job
and architecture of Lester H. Hibbard and his partner,
Cody. (Incidentally, Hibbard was a graduate from
the Department of Architecture of the University of
California at Berkeley.) Their firm got the job of
designing the buildings for the new campus at
Riverside. It was Herbert Foster that went out with
them and said, "We'll put the axis here; we'll put
the buildings back here and we'll do this and do that."

Fry: Who did that?

Foster: Herb Foster. (laughter) It was funny the things one did just as a matter of course. You set the thing and it was that way.

Fry: What did Howard have to do with these campuses?

Anything?

Foster: Nothing. His work was on the Berkeley campus only.

Fry: This was not his domain, then.

Foster: No. Berkeley was the only campus. Well, no, I'll take that back. He did some work at the Davis - the elevated tank and another building. But usually Berkeley was his only campus.

Foster: (Laughter) Just recently while in Los Angeles I walked sround just to look at one of Hibbard's first jobs. Lester H. Hibbard had done a job for the Sants Fe Railroad in fixing up their offices in Los Angeles, and I reported on what I thought of the job and architecture of L ster H. Hibbard and his partner, Gody. (Incidentally, Hibbard was a graduate from the Department of Architecture of the University of Colifornis at Berkeley.) Their firm got the job of designing the buildings for the new campus at Riverside. It was derbert Poster that want cut with

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Foster: I often went south with Ralph Merritt, the comptroller, on his business trips. Once we'd been down to La Jolla in the fall of 1914. The state had appropriated funds for the acquisition of the site of the citrus experiment station in Southern California. And this particular day we went into the San Fernando Valley with three of the members of that committee on the selection of a site. It was about a mile west of the town of San Fernando, as I recall. That was the site that was selected by the committee for a citrus experiment station.

Fry: Was this a regents' committee you went with?

Foster: No, I don't think so. It was a committee appointed of people in Southern California to make recommendation for a selection of a site for the citrus experiment station.

Fry: I wonder if these were any of them--E. D. Parker,
John T. Wilson, W. F. Cronemiller, L. V. W. Brown,
S. C. Evans and Regent Mills?

Foster: I wouldn't be able to say definitely. Well, this day
when we were out in San Fernando Valley--and I know
Ralph Merritt has mentioned this several times--I took
him by the shoulders and turned him around and pointed
up the valley. I said, "You see that pipeline that
comes through the mountains up there? That's part of

roster:

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Los Angeles aqueduct system from the Owens river Foster: development. It brings the water down and conveys it into Franklin #1 and Franklin #2 reservoirs. That development was made by the Metropolitan Water District of Los Angeles." (I know something about this development and acquisition because I did a lot of the engineering work for Charles G. Hyde and Lippincott and Charles Grunsky during the court cases about five years previous, in 1909.) "Ralph," I said, "there's very little underground water in the San Fernando Valley." You never saw water in the Los Angeles river except when the thing was in flood time. I said, "If you locate the citrus experiment station here you'd be at the mercy of the Metropolitan Water District for your water. For Lord's sakes, Ralph, acquiesce to the selection of the site here."

And he said, "Herb, where would you go for a suitable site?" And I recall I said that if I were locating a citrus experiment station I would go somewhere along the Santa Ana river, probably in the vicinity of Riverside. We went back to Los Angeles to contact the banks and we also contacted Mr. Henry Gage, who had developed the Gage canal system from the Santa Ana river above Colton, and that's how the present site, east of the city of Riverside, was

roster:

Los Anreles aqueruct syste from th Gens river develorment. It brings the water dram and conve s it int. Franklin #1 and Franklin #2 recervoirs. That development was lade by the Metrologitam Vater District of Los Angeles." (I know something about this developnent and acquisition because I did a lot of the engineering work for Cherlin . Hyde and Lingincott and Charles drunsky during the court cases shout rive years previous, in 1909) "Raloh," I said, "there's very little underground water in the San Meinando Valley." You never raw water in the Los Americs river except when the thing was in flood time. I said, "if you locate the citrus experiment sistion here you'd be at tac hereny of the letropolitan Water District for your water. For Lord's sakes, Ralph, orquiesce to the selection of the site here."

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Foster: selected. I assisted in making the original surveys of the site later on.

Fry: I guess there was much indecision about that site;
the regents themselves were pretty well divided on
this San Fernando Valley versus the Riverside sites,
after Riverside's hat was thrown in. Then didn't
Pomona make an offer right at the last minute?

Foster: Yes. Then, of course, later on that was stimulated somewhat when W. K. Kellogg and Jimmy Rolph, former mayor of San Francisco and later governor of the State of California, got to playing around with horses and so forth, and W. K. Kellogg and his wife gave the Kellogg ranch just west of Pomona to the University, with all those Arabian horses. I went down there-oh, I had big ideas for the development of the ranch. I started some of them. One of the stipulations was-from W. K. Kellogg--that the University had to keep his former superintendent. I usually found his

as I understood it, Kellogg had the second largest string of Arabian horses in the world. Lady Wentworth of England had the largest.

there at the ranch on Sundays and holidays. You see,

superintendent either drunk or sleeping. (laughter)

But they used to put on some wonderful horse shows

Fry: Well, what did the University do with Kellogg's

Foster:

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Well, what did the University do with Kellogg's

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Fry: property right at first?

Foster:

Well, the University just kept the ranch going and operating and they didn't get a chance to move agriculture into the thing or to make any agricultural developments or to use it as an agricultural station.

The main project seemed to be Arabian steeds. And later they had a chance to liquidate the property and get out with pretty near a million dollars, so they thought that was a pretty good thing.

In 1918 the legislature appropriated additional funds to start a farm school in Southern California somewhat like Davis. The "farm school tract" was purchased in 1919 and comprised about 300 acres of land added to the Riverside campus adjoining the City of Riverside to the west and the Riverside Farm School on the east. The authorities at Berkeley softpedaled anything about the development of a farm school; they didn't want to start anything at that time like we had at Davis. Some years after the acquisition of the farm school tract I tried to get the University authorities to buy some land north of the main citrus experiment station tract, east of the highway. They finally bought these same lands about 1945 for the development of the Riverside campus. What did they actually do after soft-pedaling the

Fry:

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Fry: agricultural angle?

Foster: You see, it was originally bought or acquired primarily for research in citrus.

Fry: You mean they didn't want to have classroom work there?

Foster: Yes. They wanted it to be research or upper division work.

Fry: At this time - 1918 - there must have been considerable pressure in the south for more classroom work of almost any kind, and especially for agricultural training.

How did the University respond to this pressure?

Foster: I happened to know and traveled around a good deal with Herbert E. Weber, who became the director. (He was head of Agriculture here in 1923-24, somewhere along in there.) He went down to Southern California primarily for the development of the citrus experiment station. He was the father and the dean of the citrus experiment station. And then when the First World War came along in 1916 I went around with him to many meetings at different places. He tried to point out to the people in the south that citrus culture wasn't the only thing or the only crop to be grown in the south. What they needed was diversified agriculture. You needed more other products and more orchards; that's why he started certain orchards and certain grains and things of that sort at the citrus

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Foster: experiment station. It wasn't to be entirely citrus.

I imagine there was quite a strong pressure for citrus only, but Weber was top man. He had lots of recognition throughout the states and the world.

Fry: He's the one that steered it away and broadened it out beyond the citrus, then.

Los Angeles

The Branch on Vermont Avenue

Fry: After the land was acquired where does your personal experience with the UCLA campus start?

Foster: It was down on the Vermont Avenue campus, shortly after the regents had acquired it in 1920. I had work to do in connection with possible enlargement of that campus and the acquisition of additional lots adjoining the campus.

Fry: You did the surveying, you mean?

Foster: Well, not only the surveying, but also running down
the details of the real estate transactions for the
acquisition of the lots and contacts with the individual
owners. And there were other things on the original
campus including the instalation of some sprinkler
systems for the lawns, design and installation of the

expendent station. It wasn't to be entirely citrus.

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The ranch on Verment Avenue

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sequisition of the lots end centracts with the individual
owners. And there were other takings on the original
carpus including the instalation of select apprintler
systems for the lawns, desirn and installation of the

Foster: filter plant for the swimming pool, and resurfacing of the tennis courts.

Fry: This was all handled by the Berkeley office?

Foster: Well, a good deal of it was handled directly by
Robert M. Underhill. Sproul had put Underhill in as
assistant comptroller at Los Angeles; Mr. Sproul had
always said that if he'd tell Underhill to do
something he was almost certain he would do it.

Fry: What did Sproul think about Underhill?

Foster: Of course they were fraternity brothers, the
Abracadabra fraternity. Sproul was of the class of
1912 and Underhill was 1915.

When Robert Underhill graduated from the University he went to work for his uncle in San Francisco, wholesale business. And then when the First World War started, Bob Underhill came over to Berkeley to work in the Accounting Department.

Fry: He followed Sproul here then. Did Sproul bring him?

Foster: I meant to say, because of Sproul. Of course, I knew

Bob Underhill and his wife, even before they were

married; Grace Partridge Underhill's mother taught

school and was principal of one of the schools here

in Berkeley. Bob Underhill had two other older brothers,

both in the Marines; they made a name for themselves

during the First World War.

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Foster: It was under Bob Underhill's direction that I was connected with building for the ROTC on the campus.

Fry: Oh, during World War I?

Foster: Yes.

Fry: Was this that time when you were given from mid-September till October to build one?

Foster: It was put up in an awful hurry. Bob Underhill had trouble with the commissary; I recall that we checked on such items as the speed with which they fed the bunch. Then there was the flu epidemic, when we all wore masks, you might remember. So that's how I got well acquainted with Bob Underhill; he continued in the Accounting Department and later on Bob Sproul put him in as assistant comptroller at Los Angeles.

The fellow who was kind of in the doghouse because he wanted to go down and run things in Southern California was Baldwin M. Woods, "Baldy" Woods. He thought he had a grand chance to do something because he was close to President Campbell. He went down there and instead of looking after the Vermont campus as he was directed, he wanted to operate all the University down in Southern California. Then after this fiasco, they appointed Robert Underhill under the Comptroller's Office to handle UCLA's office.

Foster: It we under Bob Underhill's direction that I wes connected with building 's the dol's chie compus.

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Fry: Well, meanwhile, back at the branch on Vermont avenue-Foster: President Campbell is the one who had the name changed
from the "Branch" to the "University of California
at Los Angeles." He was directly the one responsible
for that change.

Fry: Did anybody that you knew of, on or off the Board of Regents, want the southern branch to become a separate University with a separate board?

Foster: Not that I recall, no.

Buying the Westwood Site

Foster: I recall there were several suggested sites for a campus in Southern California.

Fry: Yes. Miss Dornin in University Archives told me that about 80 sites for new campuses were offered, and five were in the final run-offs. Do you know how those were selected?

Foster: One of the proposed sites that was very high up in the running for the campus was the so-called Hastings site over at South Pasadena. I am the one who fought that site and talked with anybody I could talk to against that site and for the Janss site in Westwood. I argued over the heat situation; in the summer it could get very hot at the Hastings site, whereas at

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I argued over the heat situation; in the summer it could get very hot at the Hastings site, whereas of

Foster: the Westwood site you would get the breezes in the afternoon from the ocean, which is the redeeming thing about it. Oh, I talked that everywhere.

Fry: During the time you were down there you were on the committee to look over the sites, weren't you? I saw your name along with that of Baldwin Woods---

Foster: And also B. F. Raber, E. A. Hugill, John W. Gregg and Francis C. Foote.

Fry: And this was a committee of the president, wasn't it?

The Campbell committee?

Foster: That was a committee of the president, but Sproul got hold of me and he said, "I want you to dominate this committee." Of course, B. F. Raber put his palms down and was right there at the top and asked to write the report.

Fry: He was a professor of engineering?

Foster: Of Electrical Engineering. But every word that Mr.

Raber wrote I was at his elbow. I lived down at his home or in his office. Mr. Raber was under obligation to me because I had got him a professional job some years before as engineer of mechanical affairs at the Sacramento Filtration Plant in 1920-22.

Fry: Why did Sproul want you to dominate this?

Foster: Because he knew that I knew the requirements for the campus and had the interest of the campus and the

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Foster: Comptroller's Office at heart as against some recommendations that President Campbell or Professor Woods might have.

Fry: I don't quite understand what the Campbell and Woods interests would have recommended.

Foster: When the selection was made it was in favor of the Janss property in Westwood. Then, of the laying out the boundaries of the campus, of transportation and water supply. Of course, some of those things I saw through to the finish, particularly on the water supply because I knew many of the engineering staff in the Los Angeles Water Department. That was part of my job. They were in my line of business; I knew most of them. And, as I said, Comptroller Sproul particularly wanted me to dominate the report that was made-and I can't remember the fellow's name that did the political work through the city of Los Angeles. I can't find my copy of the report.

Fry: Oh, you mean the man who pushed this through?

Foster: Yes. He was dynamic and how he wrapped the councilmen around his finger!

Fry: Was he connected with the Holby Corporation or the Janss Investment Company? He wasn't a regent?

Foster: No. Neither.

I got close to the Janss boys, Harold and Edward.

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Foster: I knew Harold; he had taken engineering here at the
University of California. His brother, Ed, was on
the board of the Janss Investment Company, and during
formulation and requests and things of that sort many
a night I stayed with them at their hotel—a big hotel
there next to the park in the center of Los Angeles.

Fry: Was this during the selection of the site that you

stayed with them?

Foster: No, after the site had been selected. Later I went and lived with their engineer, a fellow by the name of Struble, a keen lad and their top surveyor. I went out in the field with him and worked with him setting lines and limits of the campus property. I insisted upon certain things, such as the width of the streets. Half the width of the boundary streets was taken off the gross amount of the acreage because I insisted that I did not want any part of the campus to back up against any private property.

Fry: You told me before the recorder was turned on that you wanted streets 80 feet and not 60 feet wide.

Foster: Yes. Not the ordinary width of streets, not 60 feet.

Fry: Yes. Now, when Los Angeles, Santa Monica, Venice, and Beverly Hills all decided to buy this land and give it to the University as a gift, were you there

when the bond issues were being campaigned for in

Poster:

University of C lifornia. His brother, Ed, use on the board of the Janas Investment Company, and during a smalletion and requests and things of test solt solt in a night I stayed with them of their intelled his note. The most to the oard in the center of use Arcles.

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ron wanter offerts 80 feet and not 60, feet will.

Fry: the different cities?

Foster: No, I didn't know much about that. Let's see, deeds
to the lands came from the City of Los Angeles, the
County of Los Angeles, the City of Beverly Hills, and
the City of Santa Monica, just those four; also a
parcel of about 8 acres from the Pacific Southwest
Trust and Savings Bank (a part of Bel-Air).

Fry: A moving power behind this on the regents seemed to be George I. Cochran and Margaret Sortori, John R. Haynes and Edward A. Dickson.

Foster: Yes, and there is one other fellow who was not a regent that was the most dynamic one for getting the thing through the councils of the various cities.

Fry: Who was he? What was his line of business?

Foster: He was a realtor. I cannot recall his name. I was in his office several times. I recall on one occasion somebody called up on the telephone about a piece of property for sale (not site property) and he said he wanted to know how much--maybe the price was \$260,000 or something of that sort, and he said, "All right, I'll send you a check right away." And he took out his checkbook and wrote the check for the \$260,000.

Fry: The Janss property was offered to the University at

Fry: The Janss property was offered to the University at \$2,000 an acre, which would make a total of \$600,000 in all, so why did the total sale to the cities come

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Fry: to \$1,070,000?

Foster: It was a gift from those cities.

Fry: Well, this is what the cities paid Janss for it in order to give it to the University. The Janss Investment Company and the Homeridge Corporation (who acted as one in this) had offered it to the University originally for \$600,000. Now, do you know why that increase?

Foster: No, I don't. My original notes on the report are missing. Were you able to get a copy of the report that was made by a special committee that was appointed by Comptroller Sproul? Raber, etc?

Fry: Yes. Now, Letts was an investment company and it belonged to Holmby Corporation of which Mr. Letts was president.

Foster: Yes.

Fry: What did the investment company have to do with this?

Foster: I don't know those details except that the Janss boys were the ones that made the subdivision with their organization and sold the lots.

Fry: This was before it became a candidate for a University site.

Foster: Yes.

Fry: Well, they didn't lose any money on it, did they?

Foster: They certainly did not! They developed a subdivision of the land between the campus and Wilshire boulevard

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Foster: (a block or more either side of Westwood boulevard)
which became the Westwood shopping district and
prices were way high for that land.

Fry: They sold this, or did they lease it?

Foster: They sold it. The same way, the lands adjoining the campus were sold primarily for apartment houses, fraternity and sorority houses, and some private homes.

Fry: And these were rather high, apparently. This engineer,
Mr. Strubel, who belonged to the Janss Investment
Company, was a good buddy of yours?

Foster: Yes, we became very close friends.

Fry: On the phone the other day you said something about the way his particular company made its money by simply foreclosing on a mortgage. Were you talking about one of these companies, or was it somebody else?

Foster: Oh, that was later, there about 1928 when I thought that purchase of property in the vicinity of the Westwood campus would be a desirable acquisition for my own investment. So I asked Mr. Strubel one day about buying some of the lands that the Janss Investment Company had to sell, and he invited me to one of the company meetings when they were discussing sales, etc. And on many of the contracts the purchasers were not able to pay, so the company foreclosed on them and took the properties back. He said, "We set the

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Foster: price so high that it would take them a good many years to pay the thing out as an investment. That's how the company makes a lot of its money, by taking the land back by foreclosure." And so he said, "Don't buy any of our lands."

And so another friend of mine, a Mr. Gerhart, a realtor in Los Angeles, sold Mrs. Foster and me certain pieces of property down along Pico boulevard; I couldn't pay it off or sell or develop it, and I lost money on the deal.

Fry: You mean this property you did buy didn't develop and increase in value like you thought it would. Well, it was very decent of Strubel to tell you not to buy their real estate.

Foster: Oh yes. Yes. But the U.C.L.A. land - well, originally it was just like going out in the country. It was just nothing but rolling hills. This fellow Lloyd Barber, Jim Schaeffer, Ernie Sagehorn (my assistant) and I on many an afternoon after work would go down in the lower flat area of the campus with our guns and shoot jack rabbits and quail, and had them for our suppers.

Fry: Otherwise undeveloped land, really.

Foster: Yes. It wasn't good agricultural land, either.

Fry: It wasn't good for farms and wasn't far enough into

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Fry: the city yet to be valuable as urban territory, I guess.

Foster: No, it wasn't. As I say, Mrs. Foster and I camped right there on the grounds many a week during this development work.

Fry: The City of Beverly Hills resisted buying these lands; they were the last ones to vote. They said, "Well, it's already settled. Why should we put out our \$100,000 now?" Why this resistance?

Foster: They were pretty dull, you know, the City of Beverly
Hills, with their high class sub-divisions and their
movie people, movie industry living right there.

Fry: They didn't really seem to care very much.

Foster: The same way with Bel-Air. Bel-Air is a high class subdivision; they got the survey and the thing outlined, and there was this piece that the University didn't own--this eight and a third acres. I used to go over to visit and stay at night once in awhile with Claude A. Wayne, a classmate of mine at Berkeley, a fine tennis player; he was secretary to Alfonso Bell, and I showed him on the map what we had done, and I said, "Why don't you put it up to the boss and see if he'll give this eight acres to the University?"

And so it was deeded to the University as a gift.

Fry: Oh. Was that eight and a third acres a part of the

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And so it was deeded to the University as a gift.

Fry: 100 acres for faculty housing?

Foster: Yes. On the northwestern corner near Sunset boulevard and Veteran avenue. But, as I say, of course I didn't get credit for that sort of missionary work, but I was told to dominate the report on the development, the layout, and the utilities, and things of that sort, so that was my business.

Fry: What were the specific needs for this eight acres?

Foster: It was isolated from the Bel-Air development, and it joined the University lands. The University would make their own subdivision ultimately for residential purposes but this has never been done in 31 years.

Those restrictions don't mean anything now and can readily be removed.

Fry: Did anybody wonder about where the professors were going to live if they didn't have this faculty development there? With Bel-Air on one side and Beverly Hills on the other, it is not the usual type of community a professor could afford to live in.

Foster: But at that time the land between Pico boulevard and Wilshire boulevard were hundreds and hundreds of acres that they were starting to subdivide and build homes on. This would be the answer to faculty housing problems, yes.

Fry: Did that become what they call Westwood?

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fid that become what they call Festwood?

Foster: Yes. The realtors took advantage when the University got started there; it was a normal development too, streets and homes--and they put their price high.

Laying Out U.C.L.A. at Westwood

Fry: Did you have any idea why the people wanted a university down there and at this particular place?

Foster: There was a lot of politics involved because, you see, a lot of them still had the idea they might divide the state, you know, too, and that idea was uppermost in the minds of a good many of the people in the South, to make a Northern California and a Southern California.

Fry: And they wanted to be sure they had a University in case that happened.

How did the Janss brothers get in on this? This property belonged to Lett.

Foster: I know. I think they had options for subdivision purposes; there were lots of other lands adjoining this. Later on I tried to acquire some of this land over here.

Fry: Right by Veteran avenue?

Foster: It belonged to Uncle Sam; it was part of the Veterans'

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done of the Veterans' to was part of the Veterans' Tome.

Fry: Oh, the Veterans' Home land. You mean acquire it personally?

Foster: No, to get additional land for the University. I got panned pretty severely because the University didn't get as much of the flat land as they originally expected, because I had to make certain concessions, for instance, in getting around here (pointing to map of U.C.L.A. property). I couldn't cut across.

Fry: Which, this little University Drive area here?

Foster: Yes, this little piece in here. It was natural for the grade to circle around; that was just good engineering of the road location we had. I couldn't quarrel about it. This is just like here on Strawberry Hill, you know, rolling hills. So all the way down we started working on the surveys, and I camped out. And here is where I set the axis, westerly from here (between where Royce Hall and the Library are now), along the line of the bridge and out toward the dip between the two hills. It's hard to see today because everything is so built up.

Those first buildings were a great group of buildings. George W. Kellum, of course, was the supervising architect, and he came down and wanted to know what I was doing, and I talked about making topographic surveys, and setting the axis for the

ul, the Veterans' one land. You can require it personally?

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No, to get additional land to the University. I put paused orcity severely because the University didn't get as much of the flat land as they originally expected. It cause I had to take certain concessions, for i stace, in setting or and here (pointing to man of this little university). I couldn't cut series.

Yos, this little nice in here. It was noticed for the sinde we wincle secure: In the was just evolution, in the cing of the read lostion we has. I couldn't marrel shoot It. This is just line here on the way dilt, you know, but ing hills. It all the way down we starter working a fast surveys, and I was seld ont. In the inverse I set the axis, watured from here (between where I yes fail and the library are only, slong the line of the bridge out out toward the hills. It's have the first toward the hills. It's have the factors to the hills. It's have the first down.

Those first building were a groat whom of building. Ceorge and melium, if course, was the supervising architect, and he came down and wented to know what I was doing, and talked about making tooppraphic surveys, and setting the axis for the

Foster: buildings. He said, "Why are you setting it there?"

I said, "Look through the transit out to the west
there; see those two little hills? I'll just point
it right between and make the axis there." He looked
through the transit and turned around and said, "I
guess you've done pretty good in setting the axis for
the new campus." So I set the axis for the new campus
right there and then. But some of these other things
that happened make a lot of interesting stories.

For instance, the removal of the hill; I had to get Stone Canyon. Stone Canyon Creek came down right through the site, and one of the first things I did was to put in that big drain through the canyon and put the creek underground. This is the area for subtropical horticulture. Robert W. Hodgson was over here in agriculture. He's a character. He's always been interested in the South. When he went down here 30 years ago that's what he had in mind: he wanted to have charge of all the agriculture in the South. He now has charge of Riverside Experiment Station. You once told me you had written in these street names here when you had to draw this map and deliver it under a dealine to the regents. You just printed the names in, and that was the way they were christened? Well, some were already named, like Wilshire boulevard,

Fry:

Foster:

"Later: buil incs. He said, " hy are you setting it there?" I soid, "Look through the transit out to the west thing truit Il'I Sellin offthe owt seeds ook to we it right butween and make the axis there." He looked through the brenedt and turned around and atth, "" ros alas bud unities of flor witton onch aving agent the nav carbis. If I art the axia for the level of midt to be east in and then. Dut one if toese of the ty t erpoined make a lot a descripting at rie.

or isstance, the result of to bill; I was to et rteue Ganvon. June jagvon Greet dans journ rigit ath I partiff the ofte, and one the off square wert to make the the street of the canyon was put the deer announced. In the the cheefer nevo and musphos . Tablet ". Modesun insideration in priobleme. Te's a character. He's alwar. but interested in the South. Hen in writ numbers . There are trates but be but in state te while .nt of all the autiliois a still in the soul of . contrada de la compania del compania de la compania de la compania del compania de la compania del compania de la compania de la compania de la compania del compania de la compania del c i a onte tala marco bed written in this catect ust a bere when run bed to drew this may end deliver it under a douline or the remains. You just printer the name. in, and that was the way they were chrustened? 'ell, some were already named, like Vilshire boulevire,

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Foster: Westwood avenue. But these other streets I --

Fry: These Berkeley campus names you "sneaked" in?

Foster: Yes.

Fry: (Laughter) The tyranny of it all!

Foster: Like LeConte street: I took my hydraulic course in the University with little Joe LeConte. I worked for Dean Eugene W. Hilgard on some of his books for publication. And I took the Great Books course from Gayley--Charles Mills Gayley.

Fry: So you just put in all your favorites.

Foster: Sure, I put them down on the map. You know, people have since panned me for that.

Fry: What did they say?

Foster: Well, that I should have taken names from Southern California.

Fry: Well, the ones you chose were universal enough to spill over into Southern California without severely damaging their culture.

Foster: Now, this (pointing to map) was the so-called "Hundred Acres" which was given to the University for faculty residence development. President Campbell was very anxious to have the land as resident sites for the faculty.

Fry: That was over here on the western side, west of "A" street?

Poster: Westwood svenue. But these other streets I --

These lerkeley campus names you "sneaked" in:

Foster: Yes.

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That was over here on the western side, west of "A"

street?

Foster: Yes. I made all the lot subdivisions for this tract and had all the detailed specifications for all utilities, gas, water, sewers, etc. You see, I didn't follow the subdivision map of the Bel-Air company; I laid out a new one for our purposes.

Fry: Without their restrictions and everything?

Foster: Yes.

Fry: What happened to that plan for faculty housing?

Foster: I don't know. They never seemed to get settled on any price. Later on Professor Hodgson came to use some of the area along Veteran avenue from Gayley avenue for horticulture.

Fry: Why didn't the University ever use the land for homes?

Foster: I don't know. It had a definite restriction in the terms of the gift; it could be used only for faculty housing.

Another one of the things that I tried to get through was buying additional land for agriculture. But instead of that the authorities came down and bought south of LeConte over to pretty near Veteran avenue. That was land the University later bought from Sonja Henie for a medical school.

Fry: What did they build first?

Foster: The first buildings were these three buildings; the Library, Royce Hall, the Chemistry Building, and later

Poster: Yes. I made all the lot subdivisions for this treet and rad all the detailed specifications for all utilities, gas, water, sewers, etc. You see, I didn't follow the subdivision map of the Bel-Air

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The first buildings were these three buildings the Library, Royce Hall, the Chemistry Building, and later

Foster: the Physics Building, I think, and then here were the two gymnasiums, and the Students! Union Building, the shops and Corporation Yard and the athletic fields.

Fry: Oh, down there at the end of the canyon. Did the architect stay on and do most of those buildings?

Foster: No, George W. Kellum had become University architect after John Galen Howard, and some of the buildings were done by the architect who had designed all the buildings on the Vermont Avenue campus.

Fry: How did they work together?

Foster: I don't know, and I couldn't tell you just which ones they did. Then George W. Kellum appointed a superintendent by the name of Lloyd Barber as his inspector or superintendent on the job. Lloyd Barber had worked for Mr. Kellum in the East in Chicago, a very bright high type of man. And as soon as we got started at the Westwood campus I needed an engineer on the ground at Los Angeles and so I wrote to my friend, Paul Bailey, and he said, "Well, why don't you get your old friend, Jim Schaeffer." And that's how I got James G. Schaeffer as an engineer, surveyor and building inspector. He stayed here 'til a couple of years ago when he was retired.

Fry: By 'here' you mean U.C.L.A.

Foster: Yes. He is a very noted name in California history.

He was a baseball player, football player, football

Poster:

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Foster: coach, rugby coach, and professional baseball player.

Of course, in order to get Jim through college I

would cheat and put my paper during examination near
him so he could read off or copy the answers.

Fry: He wasn't a real brain in his class, then.

Foster: No. His father had a grocery store in Berkeley at

Josephine and Vine streets.

Fry: Well, I wish you could give us a little character sketch of the Janss brothers and what they felt about the University. Now, was this strictly a business deal with them?

Foster: That's it. They were in the real estate business.

They are the ones who took hold of most of the other adjoining lands, the Letts property, and made the subdivisions of it for sale, which is now known as the Westwood District.

U.C.L.A.'s Founder's Rock and Big "C"

Foster: There's one more thing. The students wanted a founder's rock at the new Westwood campus.

Fry: Why?

Foster: I don't know, unless it was because there was one at the Berkeley campus.

Fry: They had to have it to match those Berkeley names on all the streets down at U.C.L.A. (Laughter).

Poster: cosch, rugby coach, and professional baseball player.

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Fuster: I don't knew, unless it was because there was one at the Berkeley campus.

Fry: They had to have it to metch those Berkeley names on all the streets down at U.C.L.A. (Laughter).

So the students got a draying company to go out to the Foster: hills near Hemet south of Riverside and get a big boulder and haul it to the Westwood campus. I recall one afternoon after our work day they darn near lost their boulder. Several of us were walking easterly along the axis road and noticed the recently-delivered boulder at the edge of the road. It had been dropped off the truck over on the Westwood campus near what was called the east-west axis road on the south side of the bridge. Jim Schaeffer, Lloyd Barber, and I stopped and looked at the boulder and Jim said, "Come on. let's roll it down there into the drink, down there in the creek." So we got it to rocking back and forth, but we didn't roll it because that would have been a dirty thing to do; they would have to get another one, so we didn't. But we could have easily rolled that boulder down into the canyon.

Now if you get one of the U.C.L.A. guides with a map of the campus you will read how the Founder's Rock has been moved to the east end on a little island of land and it's not here in that little area where we originally saw it. But the guide goes on to relate how the committee came out from Los Angeles and stood by this rock and decided that this would be a good place to have a university, so this was called the

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Foster: Founder's Rock!

Fry: Miss Dornin in archives told me the same story a couple of days ago. She showed me a picture of it; it doesn't really look like it belongs there.

Speaking of campus landmarks, weren't you the father of the Big "C" in Berkeley in your student days?

Foster: Yes, I have that story written out for a number of people who request it.

Fry: We'll have to put it in the appendix of our interview.

Foster: Yes. They have a Big "C" there at U.C.L.A., too.

A few years ago when I was down on the U.C.L.A. campus I was looking out the window and I said to one of the engineers, "I see you have a Big "C", too." "Oh," he said, "yes, sure." I said, "Is that the shape of your emblem or Big "C" as adopted by the associated students on the campus? The thing looks distorted to me." He said, "What do you know about it anyhow?" I said, "I happen to be the father of the Big "C" on the Berkeley campus." When I laid the Big "C" out on Charter Hill I went out and measured the slope of the hill and the angle between the slope of the hill and certain places on the campus such as the football field, the site from where one would view the "C" during games. From our survey data and the shape of the official "C" as adopted by the Associated Students,

Fuster: Founder's Rock!

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Miss Dornin in sremives told me the same story a comple of days ago. She showed me a pirture of it; it coesn't real y last like it beloans that.

Spe hing of compus lendmerks, weren't your six ent days.

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Foster: I projected and established the dimensions of the "C".

Fry: So it wouldn't look foreshortened.

Foster: Yes. At the Westwood campus the students just went ahead and outlined a "C" on the hill (the so-called Faculty Home Site Area), dug out the soil and poured some concrete. I said, "Well, there's not very much glory to the thing as I see it."

Fry: Any other U.C.L.A. stories?

Foster: Can't think of any right now ...

Fry: Then this will mark the end of our interviews. Thank you so much for your participation, Mr. Foster.

Poster: I projected and established the dimensions of the "C".

Pry: So it wouldn't lock foreshortened.

Fortor: Yea. At the 'estwood camous the students just went aired and outlined a "C" on the hill (the school school school site 'res), dug out the sail and poured some concrete. I said, "Well, there's not very much clory to the thing as I see it."

Any other M.C.L.A. stories?

Poster: Can't think or any right now ...

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Fry: Thank this will note the end of our interviews. Thank you not for your participation, Mr. Foster.





APPENDIX A

The History of the Big "C" at Berkeley

by

Herbert B. Foster 834 Mendocino Avenue Berkeley California

1960

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THE HISTORY OF THE BIG * C . Barkeley Calif

The writer, Herbert B. Foster, entered the University of h(S) California in August, 1903, which made my class 1907. My home was in San Francisco, so with many others who lived there, I commuted daily to and from the campus. There being very few restaurants or public eating places near the campus, the writer as well as many others who did not belong to a fraternity or house club took a lunch eachy day.

San Francisco or the neighboring cities and towns attent lunch on the slope of the hill just west of the north end of North Hall. After a time the regulars became known as the "Hillsiders" or the "Hillside Club or Gang". This group should not be confused with the "Hillside Club" started by Bernard Maybeck and others in North Berkeley in 1902 as a neighborhood improvement club and later and now is a social club.

Our Hillside group included Lloyd Bryan, Everett Bryan,
Homer Bryan, (none related), John Olsen, Francis Sievers, Edward
Rosenlund, Harold H. Kelly, Harold F. Gray, Herbert B. Foster, Roy
Danforth, John J. Eggers, -- Menzes, -- Wagner (a junior), etc.

Dr. Benjamin Ide Wheeler man came to the University of [899]. California as its President from Cornell University in 1900. Capple his favorite expressions was "that it is good to be here". He referred to the 1900 class as his "naughty class" and to the 1902 class as his "naughty class" and to the 1902 class as his "naughty class too".

In those years the students had little or no say in the control of student affairs, they being under control of a Faculty Students Affairs Committee, They had full control of public ations, competitive athletic events and other activities of the students.

The upper classmen from 1900 to 1905 were m king every

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effort to convinue the faculty that they could and should handle all student affairs. A period of notoriously violent interclass rivalty with which the faculty were unable to cope had brought discredit upon the University throughout the State, thanks to the newspapers, and even reflected its effect upon the State Legislature,

The upper classmen took pride in protecting and advising the lower classmen, the juniors looking after the freshmen and the seniors looking after the sophomeres. Without the protection of the juniors, the freshman class would have been unable to hold a class meeting or an election of officers. Even so, there was always attempts on the part of the sophomores to break up a class meeting, either from the outside or by sophomores gaing entrance to the meeting and interfering with procedure until they were captured and evicted from the meeting.

The writer recalls that in his sophomore year, he was one of the culprits at a freshman election by putting lighted sulphur matches in the ballot bax at the election being held under the North Hall steps, and on another occassion he stole the ballot bax and ran like a deer toward the atheletic field (now the site of the Life Sciences Building), threw the ballot bax over the fence where another sophomore was waiting and ran with the box across the field and finally dumped it in a pool of muddy water in Blackberry Creek, north

However, the poor freshman were put through various forms of hazing by the sophomores and even by upper classmen during the registration period and the first few days of a new school semester.

Among the pranks were these; haveing a freshman roll up his trewsers, put his coat on backwards or inside out and m roh hack and forth with a stick instead of a gun; to have several freshmen

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put through a contest of rolling peanuts down the sidewalk with their nose, their hands being tied behind them: er to have an alleged prominent student from a small town high school be made to stand on a box, platform or steps to a building and make a speach on a subject assigned to him by an upper classman; to make a freshman with his clother and hair dishevelled kneel and propose to a passing coed or to carry the coed's books; One incident in which the writer was forced along with other freshmen was to report and take wa a physical examination. One of the University's requirements at the time of registration was that the student have a physical examination and show a vaccination certificate. Again, many of the upperclassmen, during their vacations grew beards or a mustache, which made many which I was one look older than their years. This group of freshman were herded into a basement room of old Harmon Gynmasium, made to strip down to our way and be subjected to an examination, mostly by being struck and to show our reflexes and to receive a vaccination on the arm. that that his arm aws scraped, some gelatin put on and then bandaged and told to report again in several days. Of course, the whole procedure was a fake and one form of hazing to the amusement of the upper classmen.

In those days the seniors were black plug hats, usually battered in, and the juniors were tan or light brown plug hats. The junior plugs were usually decorated and painted with their class numerals, pictures of events in their school year, their class yell, etc. The juniors did a lot of rough housing wherein their plugs were kicked around. The writer's junior plug has the class yell painted around the upper side of the rim "RACKETY AX CO AX COHEAVEN, CALIFORNIA" '07"; in the front of the crown is a surveyor's level rod and transit

the promote to the transfer of English In only 62 to the same this same to the same to the same t you get in the entry the or the control of the first of the to it of the contract of the c A was no residence to proceed the form of the government of the go Die willen bal daten bil in bort out perconation at the bill be Political meson the continue of the continue of the meson that is not be me TO THE ATT OF MITS OF WILLIAM THE POINT OF IT ALL IN Extract similar to the point of the property of the point The property when it has the second of the s a general of the entire to trainers on an environment of the war was able to the many whom is not in the . The first of it of it is a construction of the contract of the of the form the spectra of the order of the first of the first of the first of the the course of the course of the contract of the contract of the contract of the contract of The color of the state speed with the state of the color of the color of the color -- The lite of the first of the to the appear of the same of the of the of the xub crant) mountat

which indicated that the writer was enrolled in the College of Civil Engineering. around the crown of the hat was painted a dancing girl, my derive and of all the dream or pin-up girl of a picture of a beer stein tus boys, and a clay pipe reminescent of the many "beer busts and smokers" held in those days, a picture of an electric light pole near the site of our "Hillside Gang", on the top cross ka arm is the shoe belonging to Lloyd Bryan, our sophomore class president in the spring term of 1905, a picture of Charter Hill with a surveying transit in the foreground pointed to a couple spooning on the hillside, and lastly, a picture of a big vellow "C". the most cherished University job of the writer up to that time, as its inception, design and supervision of construction Below the big "C" was a picture of a hand bill printed by classa at the time of the building of the "C", with the heading of "WANTED" for the big job on the hill" and a reference to the Goeds and Pie (the big feed after the job was completed). On the top of the crown is a replica of the 1907 class pin design. A blue and gold ribbon originally worn during a football game is woven around the hat in place of theusual hat band.

In the tears from 1902 to 1905 the upperclass leaders of the student body were making every effort to get full control of their own stocken affairs and to prove their points with the faculty they gave supervision and assistance to the lower classmen at their class meetings elections, etc., breaking up the frequent rough housing fights between freshmen and sophomeres, and particularly in attempting to stop the annual rush between the two lower classes.

These spontaneous outbursts of class indignation by the freshmen and sophomores often resulted in bloody noses, and oftimes bloody noses, and oftimes bloody noses, and oftimes

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that evoked parental protests and by feeding the newspaper columns with defacts gave the public throughout the State an unfavorable impression of the University which the faculty and efficials were unable to cope with. When these rushes occured, the upper classmen would rush in, break up the fight and then one of them would give the distrurbers a lecture on student control, gentlementy demeanor, and the hope that the student body would eventually gain control of their own affairs. Among those upper classmen who often spoke to us were Max Thelan, W.H.Dehm, St.S. Hawley, E.R.Hallett, Wm. Cavalier, Phil Carey, Joseph Loeb, James G. White, W.E.Hawley, and others.

The upper Glassmen finally got the recognition and backing of President Wheeler and the faculty and the affairs of the student body were finally turned over to them. Ezra Decota became the first 1907 out graduate manager of the Associated Students of the University of California in the fall of 1905.

When the 1907 class were freshmen, there occurred on the campus 20 Big an event that had great significance with all the students and most Q0 certainly had its influence with the 1907 class when they became soph-Reference is made to the Students Labor Bay of February 29, It was the second Students Labor Day, the first haven taken place on February 29, 1896. There being no February 29th in 1900, the day in 1904 became the second Students Labor Day. In 1896 the affair was sponsored by Jacob Bert Reinstein, a regent of withe University, at a time when the University had difficulty in obtaining sufficient funds from the Legislature of the State of California to do or carry out much ofmthe maintenance items of work on the Berkeley campus. On that Kabor day the students walled up certain sections of the banks of Stawtrimmed tree, and cut brush berry Creek, and other work. The walls of the creek fush east of

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to gain prestige and recognition of the faculty in their handling of the affair. The whole project was highly organized and planned. The men of the classes were grouped according to colleges, such as Mining, Chemistry, Civil Engineering, Commerce, etc. On the particularity we formed according to our college and them marched to the particular job we were assigned to and did such items of work as cutting and sawing up trees, cutting and burning brish, grading, etc. After the mornings work we had a picnic lunch and later games, such as sack races, three-legged races, tug-of-war by colleges, etc.

In the spring of 1905, the "Hillside Luncheon Gang" at their daily meetings discussed class politics and decided to run a full slate of candidates for the class offices from our own group. Our political slate comprised :- Lloyd Bryan for president, (inflater years one of the most prominent roentonologists and doctor at the a Sofin Francisco University of California Hospital); Everett Bryan for Secretary, (in later years the engineer in charge of water rights in the State Engineer's office); Homer Bryan for treasurer(in later years a prominent railroad engineer); Harold H. Kelly and Roy Danforth, as menbers of the advisory committee (Harold Kelly became an ordained minister and put in most of this life in charge of Seamen's Institutes. first at San Pedro in California, then in Alaska and for many years in New York, New York and has returned to and retired to Berkely, where he is still active in the St. Marks Episcopal Church: Roy Danforth became a prominent newspaper man); and Harold F: Gray as sergeant at arms (Harold Gray later obtained a doctors degree in public health at Stanford University. later became health officer of Palo Alto, was engineer on many early mosquitto abatement districts, starting out first under Professor William Herms of the University, and has been

since a country office the companies of the country of the country of all of the state o white is the of the or the contract of the in the late of the contract of - the fight for the gip to the gip to the contract of the cont as I all the state of the state man and the state of the state Moil El -I will to the transport and of the far. The far. The contract of the contract o reas back ... " sty , . Office to Color of The newy aria de la companya della companya d 1 - 1 - 1 also, on the same and the same of the same and the second of the second o attendig to the public of the control of the contro and the state of t 200 . is. in a transfer of it of it. mice the one unit minimal to the time.

for many years in charge of the Alameda County Abatement District as well as a lecturer in Public Health in the University of California)

The Hillside Gang electioneered streuously was with the result elected as that the entire slate were elected the class officers for the Spring term of 1905. Of course, the principal topic of conversation at our luncheon meetings became class politics, the pertiment topic of debate centered around "what to do about the class rush" The last finks Charter Day class rush was in 1903. In the spring of 1904 under President Claude Kern, it was voted by the class not to have a class rush. The Faculty Students Affairs Committee under Professor Clarence Cory was not sure of the class decision so he had installed electric search lights on the roofs of the Mechanics Building, North Hall, South Hall and Budd Hall (now the site of Eshleman Hall). Also, additional campus policemen wefe sworn in to police the campus. However, many freshmen met at the usual campus meeting place, the flag pole, (near the site of Sathern Campanile) but not before we blackened our faces so as not to be identified by the campus cops of by the faculty. The larger groups were broken up so no actual mak rush with the sophomores took place. In former years the rush took place on the eve of Charter Day, March this 23rd, the being the anniversaty of the founding of the University, the the slope of freshmen attempting to put their class numerals in some form of the they Charter Hill above the present Greek Theatre), and being rushed and stopped by the sophomores. The free for all fight that took place oftm, resulted in bloody noses, broken bones, violent sprains and bruises and form clothing. At times previous to the rush, the officers of the classmight even be kidnaped in order to remove the leadership of the class.

At one of the Hillside Gang luncheon meetings when the rush

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was bein discussed, it was suggested by Harold Kelly that the two classe es combine and utilize their energy by planting trees ... on the slope of Charter Hill as was done by the classes of 1882 and 1888, be planted in a grove or even in the form of a big C. The writer having an engineering trend in my make up and being somewhat immediately took issue and materialisticm stated that if there was sentiment in the planting of the trees in the form of a big C, someone might come along and cut down any sentiment by our classes would be destroyed so then writer suggested the the big C be made in masonry. The idea took immediately. The idea was reported to and approved by our class meeting with the recommendation that the project be submitted to the 1908 freshgrajoint project in substitution for the annual run W.H.Dehm, president of the Assocmen class for their consideration. iated Students, and the officers of the 1907 class met with the freshmen class and sponsored the project, which was readily accepted. The remembers one particular item at the meeting, he made the mag In discussing the tentative statement that it was proposed to put yellow othre in the top coating of/cement finish to give the C a permanent yellow color, whereupon/xxx Jim Burke jumped to his feet and objected, stating that he saw a tradition in the making in that successive classes would be obligated to maintain the C and keep it painted It It was originally hoped that the area aroung the "C" would be sodded with grass and kept always green but this idea was never followered out. If one would take the time to travel to the "C" and use his pocket knife of the surface, he would how how the it realize the many coats of paint the "C" has had as well as numerous coats of red paint and several of green.

With the approval of the project by both classes by March 1st, 1905, the machinery was set in motion to organize the work. The writer was made chief engineer of the project. With the assistance Clyde Cameron surveys were made of the site for the "C" and at the recontino of mortal,

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on a state of the second of th · ignite out a little of the state of the st the second secon at the site some of the state o and the property of the first of the second must be a property of allows a restore a record to the above the court of with the state of - compact of the property of the state of th - US AS THE STORY OF THE STORY The body will be a first the first time and the same of The state of the s and so with the factor of the same of the -11. The tent of the party and the second of of E' gillig in the second of and the state of t rit not a tolon product the formers of the series ton i ce un le ce con le ce con le ce con le con le

Hr. Howard's assistant, William C. Horys accompanied the worker to check on The location of the site for the-9- E".

cation of the "C" was tied in and referenced to the arms of the campus.

Angles of the slope of the hill at the site and to particular points
of vantage, such as North Hall, the Football field, the Berkeley
business area and the Key System Mole, were made and from the writer's
drawing
course in "Descriptive Geometry", the outline of the "C" was developed
to s "C" patterned after the official football C as adopted by the

Associated Students.

From the original plans of the "C" which the writer still has in his possession they show that the "C" is 60 feet long, 26 feet wide, with top width of 8 feet, a side width of 3 feet and with 11 footings about 16 inches square and several feet deep to anchormthe "C" to the hill, with steel reinforcing bars extending from the concrete piers into the 6-inch slabs of the "C".

when the project lass publically anneal need, some members of them there was a storm of protestfrom the faculty and sense of the up and delegated and the state of the "C", which was taken/pro and condition by the general public. The main protest of the epposition was that the color of the letter, "yellow" would harmonize neither with the green hill slope in winter and spring, nor with the brown in summer and fall; that it would mar the beauty of the Berkeley Hills, the "birthright of the people about the Bay" and that on account of the sliding conditions of the hills that the "C" would slide down the slope, break up and become an eye sore on the landscape. Other facetious people suggested advertising bill boards, despicting Bull Durham Tobacce, various brands of cirgarettes, etc. A friend of the writers in later years, a Frank worton Todd was a writer on the local Berkeley Newspaper and that any sponsor on the building of the "C" but on account of his ardent stand for the project was fired from his job.

Among the various committees for the project the following

XXX

The writer's original notes indicate that 34 sacks of

Portland cement, 4 cubic yards of cearse sand and 7 cubic

yards of broken stone were ordered for delivery at the Dairy Barn

in Strawberry Canyon. In connection with the design and the

proportioning of the concrete mix, the writer, of course, con
ferred with Professor Frank Soule, dean of the College of Civil

Engineering, whose course in "Materials of Construction" the

writer was enrolled in during that particular semester. He

at also conferred with Loren E. Hunt, engineer in charge of the

Materials Testing Laboratory for practical ideas.

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men of the classes were appointed: - ximp Adolph Teichert, Jr.'07 (in charge of the congrete work) and J. Meckfessel '08 of the College of Civil Engineering; Ralph Button '07 and G. A. McEldowney '08 of Mechanics, John J. Eggers '07 and H. L. Englebright '08 for Mining; Robert R. Rankin '07 and J. H. Jemkins '08 for Commerce; A. B. Smith '07 and R. F. Bosshard'08 for Chemistry and Natural Sciences; Jack Fletcher '07 and F.A. Whire '08 for Social Sciences and Letters.

The design and obtaining of the bronze plate which is imbedded in the lower slab of the "C" was in charge of C. H. Ramdsen, Mechanics '03. At first Mr. Ramdsen had designed the plate with raised letters in the inscription. When it was submitted to the writer for approval, objection was raised against raised letters. that with a cold chisel the letters could all be removed in a short period of timem and the plate ruined. The writer told him that the inscription was OK but to have retired the letters deeply grooved into The bronze plate, was cast and presented to the classes by the W, T. Garratt Cor, San Francisco. The insciption reads " IN MEMORY OF THE RUSH, BURIED BY THE CLASSES OF 1907 AND 1908, -MARCH 25, 1905 - REQUISCAT IN PACE ". It is about le inches by 16 inches in size, with webs about 5 inches deep on the underside with holes through the webs, through which steel reinforcing bars about 8 feet leng were run in both directions, so in order to remove the plate (which has been attempted on occassions) it would be necessary to blow or break up a slab. of concrete about 8 feet square.

of the project and durings its construction. The classes ont him a telegram asking that he declare a holiday for the freshmen and sophomore classes on Mysch 23, 1905, the day the classes had hoped to build the big "C". The President referred the request to Profess-

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or Carl Pheln, acting president and to Professor Charence L. Cory, chairman of the Faculty Students Affairs Committee. Professor Cory was in favor of the project, anything to get rid of the class rush and class rivalry, so he granted a holiday to the two classes on Saturday, March 26th, 1905.

California Hall was under construction at the time. The contractor gave the classes some steel reinforcing bars, expanded steel mesh which was used to reinforce the slab, himids broken terra cotta roof tile which was used for drainage under the bottom slab of the "C", and some lumber for forms.

pany and from the Contra Costa Construction Company several wheel barrows, picks, shovels, buckets, sacks, etc. They also purchased lumber for forms, stakes, straight edges, tamps, mixing platform, etc., also nails. Many of the workers brought their own shovels, hammers, saws, cement floats and trowels.

At 8 of clock on Saturday, Karch 18th it was raining and had rained during most of the night. The writer met with the leaders of the various groups at the Civil Engineering Building and it was decided that arder should not be dampened by a little rain, that we had planned to construct a big concrete "C" on that day, so why not start. The rain let up for the entire morning. We were off to our respective jobs.

A group of the engineers under the leadership of Adolph Teichert, Jr. and John J. Eggers went direct to the site to grade the area, dig the holes for the piers, set the forms, prepare the site for and make the concrete mixing platform, and to grade a path for the wheel barrows from the mixing platform to the "C". The writer and Clyde Cameron had previously set the corners of the "C" and the

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location of the piers.

the wooden storage tank northerly up the hill from the Dairy Barn, lined out and connected up water pipe and fire hose grom the pump to several wooden barrels placed just below the site of the "C" and This were kept busy during the morning in pumping water for mixing the concrete, wotting down the site or repairing the many breaks in their pipe line and hoses.

which had been donated or loaned to us by the various entractors, and carried them to their point of use. The remainder of the workers proceeded to the Dairy Barn, some filled sacks with sand and/or rock fire while others formed a line, like a/bucket brigade from the Dairy Barn to the mixing platform, sophomores and freshmen alternating in along the line. The sacked materials was then passed from one to the mixing platform. Many of the huskies of each class made bets before themselves on carrying the sacks of cement direct from the Dairy Barn to the site, however, many had to take numerous rests along the route.

below the "C". A wooden bench was later placed at this location as well as the looker containing the electrical equipment which was used in later years for illuminating the outline of the "C" on nights just prior to a major football g ame. When the concrete was mixed it was shovelled into the wheel barrows and delivered to the "C" by having one of husky man guide the wheel barrow while others pulled the load up a path by ropes attached to the front of the barrow. Other men spread the concrete and levelled it off with wooden straight edges.

During the progress of the work certain upper classmen

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came to the site and made attempts to egg the lower chassmen into a fight. When the prodding and teasing did not stop, the upper classmen would be rushed, seized and tied upsleng the site of the operations and until they agreed to clear out.

The entire job was practically completed by by noon time, when we all marched or tradded mx wearily down the hill to the basement of Hearst Hall where the women of the two classes had prepared a hot lunch of baked beans, het dogs, coffee and pie.

The Women's Committee in charge of these arrangements included: On Finance - Carmelita Riley '07, Cornelia Stratton '07; Rose Hizar '07, Amy Fischer '07, Elsie Cetter '07, Freda Watters '08, Ida McCey '08, Lily Pena '08, Hannah Wollenberg '08; On Arrangements - Alice Berry '07, Elizabeth Markle '07, ***Carrie Winter '08; On the Dinner - Mabel Goddard '07, Jennie Gooch '07, Mabel Edwards '07, Justie Bowers '07, E. Hatters '07, Francis Sanborn '07, Lulu Thornburgh '07, W. T. Sale '08, A.B.Tobin '08, H.M.Young '08, E.M. Lucy '08, and A.M.Heyward '08.

After the lunch brief speeches were made by the class members presidents, Licoyd Bryan and James Burke and by several/of the Wemen's The writer committee. I was called on for a few words, he recalled becoming confused but finally stammering out his thanks to everyone in making the project a success and finally asking the help of a few of the men to go back up the hill to put sacks over the fresh concrete to protect it from damage as it had begun to rain.

The speaker at the Charter Day exercises in the Greek Theatre on the following Tuesday, March 23, 1905, was Dr. Henry Van Djike. To-ward the end of his speach cheers and oakies were heard from the "C" on Charter Hill, culminating the finish of the big "C" construction, Jun-

THE SERVICE IN A DECEMBER OF THE PERSON OF T

cause some repairs and finished grading around the "C" was necessary to complete the job.

what years of disapproval of the entire State and strenuous hindrance by the faculty had failed to accomplish. These two classes, now sophomore and freshmen, will go down in the history of the University as those who sacrificed their class spirit for love of Alma Mater and effectively put the death seal on class, rushing, the thing which hamber, brought the greatest odium upon the name of the University of California, thanks to the press.

In later years the Charter Day spirit between the two lower classes was kept alive by friendly and orderly competitive games staged on the football field. For a number of years it was took the form of a push ball contest, with a huge rubber ball about six feet in diameter, in which all men of the classes participated. The object of the contest was to move the ball down the field to the goal line, whereon the class who accomplished this was declared the winner for that year.

In later years it became to tie-up by teams of equal numbers, by tug of war contests, and by jostling contests of equal number of two man teams, one on the back of the other.

In recent years this class spirit seems to have died out completely and few if any of the students know of the tradition of the the big "C".

834 Mendocino Avenue, Berkeley, California.

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BERKELEY, CALIFORNIA, TUESDAY EVENING, JUNE 15, 1943

Frosh, Sophs Bury A

"Yes, I helped build the 'Big C' on Charter Hill above the University Campus 38 years ago.

Herbert Foster, University of California engineer, turned from his charts in the campus grounds and buildings department, rested his feet on a rung of the backless high chair.

"A period of notoriously violent interclass rivalry perished in giving birth to the 'Big C'," he said. "With its creation the

poll rafts tied together with twist-new University spirit reached maturity.'

He related how the immemorially spontaneous outburst of indig-nation-at-each-other of Freshmen and Sophomores, resulting now in occasional bloody noses, then end-ed just as often in broken ones, not to mention broken arms, and violent sprains and bruises requiring hospitalization. Such activity evoked parental protests, and, by feeding newspaper columns, gave to the public an unfavorable im-pression of the University, which its officials were unable to cope with.

Freshmen and Sophomores carried out fierce and well-organized raids against each other. Their class meetings were held in secret. If their rendezvous were spied out, the meeting there would be broken up by the rival class un-less a force of Junior-class guardians were called out as a protection squad—and it often was.

FRESHMAN RUSH

To the Freshmen the evening before March 25—charter day—meant one thing: the Freshman rush. Up the side of Charter Hill would swarm the whole class, battling against a horde of Sopho-mores for the right to imprint massively upon the hillside their class number. Casualties grew to a point where the administration forbade the staging of the rush on pain of expulsion of participants from the University. The last rush was held in 1903.

An attempted rush in 1904 proved abortive. The authorities turned floodlights on the hillside, and "campus cops" were empowered to serve summons on disturbers of the peace to appear be-fore the dean. Groups of boys, their faces blackened to avoid identification, congregated expect-antly on the outskirts of the field of battle for many hours, waiting for something to start bappening for something to start happening -but nothing did.

"A year went by," continued Mt. Foster. "I, who had been a Freshman, was now a Sophomore. Freshman, was now a Sophomore. A group of us, calling ourselves the 'Hillside Gang,' because we ate our luncher on a slope below the place where California Hall was being erected, included in our number the class officers. We were in the habit of discussing campus politics.

"'Wonder If there'll be a rush this year?' said one of us as Charbar of the stanford Indians cut down the trees for trophy-sticks at their first opportunity?

"'Let's build it of masonry then,' I said.

"Forthwith the idea was taken up wholeheartedly and discussed"

"The only possible way to remove that plate is to carry away an eight-foot block of concrete with it.

"Yes, we finished the 'Big C' on Charter Day, 1905. Just as memorial services were being held in the Greek Theater that afternoon we gave them an Oski-wow-wow to let them know we were done." A group of us, calling ourselves the 'Hillside Gang,' because we ate our luncher on a slope below the place where California Hall was being erected, included in our number the class officers. We were in the habit of discussing campus politics.

Frontier Rodeo



Cowolri Haroldine Hansen, typical outdoor lassie of the Redwood Empire, who will take a leading part in the seventeenth annual Willits (Mendocino) Frontier Days and Rodeo, July 4-5. A colorful pro-gram of Western entertainment, street parades, dancing, band muslc and daring exhibitions of buck-ing bronchos, roping and other rodeo events will be presented in oonjunction with a wartime ob-servance of the Nation's birthday.

ter Day approached.

Harold Kelley spoke up; "If we can't have a rush, how about doing something on Charter Hill anyway—Frosh and Sophs, together—something useful?"

Last year's class had planted some saplings up there (the big trees you can see there today), so I suggested planting some more

at length. We drew plans, specifications, and estimates of material. (I still have the originals).

"We sprang the idea. Towards t the campus and the public were both divided—the majority with us, the minority in opposition. us, the minority in opposition. Some citizens thought that a giant letter would be an eyesore. One of the objecting faculty feared that the whole thing would gradually move downhill, eventually invading the computer. ing the campus.

"But we went ahead. We had support Dr. Clarence Corey, substituting for President Wheeler, who was in the East then, said he would back most anything to help get rid of excess class rivalry. WORK BEGINS

"And so one Saturday early we set to work, regardless of the fact that it was raining. Next Tuesday would be Charter Day and we wanted the 'Big C' finished for the occasion. We formed a staunch bucket-brigade up the hillside—Sophomore alternating with reshmen, though some wouldn't believed such cooperation possible.

"The mechanics students piped up water. The co-eds prepared a lunch in old Hearst Hall. Sev-Juniors who attempted to make trouble were summarily tied

up.
"I had suggested that we should mix yellow ochre with the cement,

mix yellow ochre with the cement, thus assuring to the 'Big C' its perpetual 'California golden' hue.

"'No," sald Jimmie Burke to me, 'what good would that do? This thing is going to be smeared with red paint by the Stanfordites, no doubt about that, so we'll have to repaint it anyhow. 'But,' he added, 'I think I see the makings of a tradition: the guarding of this emblem from marauders when the football spirit is at f pitch.' He forecast correctly.

PLATE CEMENTED DOWN

"Incidentally, you know the copper plate up there—the one reading: 'In memory of the rush, buried by the classes of '07 and '08, etc.?' Well, many a time have poor Stanfordites pried at it in vain, hopstanfordites pried at it in vain, hoping to remove it as a battle trophy. They can't do it. The plate was cast with perpendicular, fins on its lower side. Into these we drilled holes, and through the holes we ran stout iron bars—we got these from the building supplies at Colifornia Hell. The whole plies at California Hall. The





Herbert B. Foster, 834 Mendocino Ave., designer of the "Big C" overlooking the University of California, looks at his student cap, worn by the class of '07.

—Gazette photo

Construction of Big C at Century's Turn 'An Epic'

A phase of the University of California that is older than the decade, but an integral part of every UC student's life is the Big C.

The story of its construction is fascinating history, as gleaned from the designer of the landmark, Herbert B. Foster, 834 Mendocino Ave., Class of '07.

At one of the luncheon meetings of the "Hillside Gang," composed of students who ate lunch on the hill above the campus, trees planted in the shape of a C were suggested as a class project. The classes of '82 and '88 had done it.

Foster came up with the idea of a masonry C that would be permanent. The entire sophomore class approved the idea, as did the freshmen at a special meeting.

It was at that meeting the tradition of painting the Big C was born. Foster suggested putting yellow ochre in the concrete to make its color permanent. Class President Jim Burke objected. "I see a tradition in the making if we require each successive class to keep the color bright," he said. "By March 1, 1905, machinery was in motion. Foster was named chief engineer of the project. Surveys were made to place the C in reference to the axis of the campus, so that it would be visible from any spot.

Original plans show that the C is 60 feet long, 26 feet wide and has 11 reinforced concrete piers deep in the hillside.

Despite a storm of protest from the citizens of Berkeley, the administration approved the idea and March 20, 1905, was declared a holiday for the construction.

The big day arrived, raining; undaunted, the men of the two classes started up the hill.

The site was cleared and leveled. A pump was set up near the dairy barn in Strawberry Canyon

and pipe and hose ran un the hill to several barrels. Strong arms began pumping water to the barrels. From there water for the concrete was passed on up to the mixing shelf by a bucket brigade.

From the mixing shelf, wheelbarrows filled with concrete were strained on up to the site.

During the work, certain juniors and seniors tried to interrupt the work, but were seized and tied until they agreed to leave in peace.

By noon the work was nearly completed and the weary workers straggled down the hill to lunch on beans, hot dogs, rolls, pie and coffee prepared by a women's committee.

Speeches were made. So ends the saga of the construction of the Big C.

In June 1957, the class had copies of my history of the construction of the big "c"
frinted and bind a and pac copy was
presented to the University of Chainia
by the class of 1907, June, 1957 and one copy meded to the Colifornia Alomai Aires from My original copy was extend clas and by Eleverend Horald H Kelly The both It the revied copy is afforded hore with. Also is a letter received by me from Barkeley,





APPENDIX B

The Story of the Development of the Athletic Facilities at Berkeley

by

Herbert B. Foster 834 Mendocino Avenue Berkeley, California

1960

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ATHLETIC FIELDS OF THE UNIVERSITY OF CALIFORNIA AT BERKELEY.

A major athletic field or fields had been envisioned for the campus of the University of California at Berkeley for many years prior to the building of the California Memorial Stadoum and the fields adjacent to the Men's and the Women's Gymnasia.

In the International Competition for the Phoebe Apperson
Hearst Architectural Plan for the University of California in 1899, competitive plans for the layout of a campus for the University of California, awarded in 1899, nearly all the plans submitted showed a stadium in connection with the Gymnasia.

From the middle nineties to 1915, the running or cinder track was located on the east edge of the eucalyptus grove, north of Strawberry Creek and Center Street path and south of the north fork creek known as Blackberry Creek. Its major axis was north and south. The distance around the track was about 325 yards, making the track about 5½ laps to the mile. The 220 yard dash and hurdles were run partially on one turn at the south end and always in lanes. The hammer throw was staged on the baseball field located east of the track. Bleachers were located on both the east and west sides of the track. I practiced and ran many a race on this track from 1899 and 1906, while attending the Polytechnic High School in San Francisco and in my freshman and sophomore years at the university.

The baseball and football field up to 1904 was located immediately east of and adjoining the running track on the site now occupied by the Life Science Building. I recall bleachers only on the west side of the field, and a low set of bleachers on the east and north sides of the field for baseball spectators. There was a fence about 8 feet high around the field.

In my years in college (1903 to 1907) many of the students went to football and baseball practice, and the rally committee held regular

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The baseb 11 and football field up to 1904 was located inediately est of and adjoining the running track on the site now occupisd by the Life Science Juilding. I recall bleachers only on the weside of the field, and a locate of bleachers on the east and north rides
of the field for baseball an attors. There was a fence about 8 feet

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ich around the field.

In my years in college (1003 to 1917) many of the students contact of the students contacted half regular

singing practice on the bleachers several times a week. The students became more intimate with their athletes. I recall one day when "little Mini", one of Cal's star half backs on the football team, related to me that the students placed their athletes on pedestals and actually worshipped them, so when a game came along, they played their hearts out and gave their all in order not to fall off the pedestal that their fellow students had placed them.

In those days the big game naturally, as it is to-day, was with Stanford University. Other practice games during the season were staged with the Reliance Athletic Club of Oakland, the Olympic Club of San Francisco, the Multamonah Athletic Club of Portland, the Sherman Institute of Arlington, just south of Riverside, and occasionally with other organizations. There was no athletic conference with other institutions.

I remember an incident that happened on the bleachers in the football game between the University of California and the Reliance Athletic Club of Oakkand. It was in the fall of 1903. Harry Howard, known to and called by all his friends as "Greek " Howard was a natural atheatete. He was the star 440 yard man on the track team, and played tackle, end or half bask on the football team. He was a fine specimen of manhood, a natural athlete and looked the part of one of the Greek gods, therefore his nick-name of "Greek" Howard. This particular after noon "Greek" Howard was playing one of the half back positions on the team. On one play "Greek" was given the ball around the end, and soon was on his way for a touch down. A girl in the bleachers began to yell "Greek" Howard, make it a touch down. During this commotion, a lady behind her tapped her on the shoulder and said his name was "Harry". The girl said "no", that it was Greek Howard, she should know, that he was her beau and that she was engaged to him. The ladt then responded that she should know that his name is Harry because he was her son. And so singin protic on the blackers aver litimes a cor. The ctudents became more intimited ith their athletes. I recall one day when "little "ini", one of "lis termal" backs on the football term, related to method the the students microsof their athletes on medestals are setucilly conshipmed them, so when a rese core long, they played their hearts out and gree their all in order to "all off the pedestal that their

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I remember on incident that incremed on the ideadware in the football gare interest the University of welformis and the feliance (this effect Club of Universal. It was in the full of 1905. "arry hower", more to and called by all his friends on "Greek" howerd was a natural thailtte. He was the star 440 years wan on the trock team, and aloyed tackle, and or half hack on the football team. He was a fine specimen of we maked the part of one of the Greek of we mood, enstural attlets and looked the part of one of the Greek coon "Presk" He and was playing one of the half back positions on the team. On on play 92 rest was given the ball around the end, and soon was on his my for a truck down. A girl in the blenchers began to yell, "Greek" Howard, make it a touch down. A girl in the blenchers began to yell, hind har tapped her on the choulder and said his name was "Marry". The pind har that the said was chould how, that he was done her head as energed to him. The ladt then responded that her her head and that the mas may that the mas energed to him. The ladt then responded that

should know that his note is Harry because he was her son. And so

it happened that Harry Howard's future wife and his mother met for the first time on the bleachers of a football game. I witnessed the incident because I sat two seats from Mrs. Howard and one row behind the girl. For over thirty years, the Howard family and the Foster family often spoke of this incident, we had become close friends over the years.

other important interesctional games were staged in San Francisco. The California- Stanford game was most always held on Thanksgiving Day. In the nineties the games were held at the 8th and Market Street Recreation Grounds, which later became the home of the Pacific Coast Ball Club in San Francisco. From 1898 to 1902, inclusive, the game was held at the 16th and Folsom Field and in 1902 at a field near the end of California Street.

At the game between California and Stanford in 1900, held at the 16th and Folsom Street field, I was carried into the field by Rex Womble, one of the California star ends. The team, fully clothed in their football suits were brought to the game in a large tallyho, drawn by six horses. They were driven up Market Street under the cheers from admiring followers. Youngsters stood around the entrance gates to the field as the team filed in. From pictures in the newspapers I recognized Rex Womble, and called out his name as he passed by me. He put his arm around me and half carried and half dragged me through the gate So that day I saw the game from the field, but kept alert to keep out of the way of the police who probably put me off the field and out of the grounds.

From 1900 I witnessed many of the California-Stanford football games. I particularly remember the 1902 game at the 16th and Folsom Street field. The very first play after the kick-off provoked a fight between the players and within minutes there was a free for all fight between players, spectators and the police. Several players were put

it beneard that derry locaries of this other has other top the first time on the bleaders of ecotosil and. I situed of the incident feeture I sat the sents and one really and the first cours I sat the sents and one really girl. For or retaining the downs, the downs family and the Toute for this incident, we indicate the second of the second of the football sames through a distination of the football sames through a distination of the football sames through and the results of the football sames through a distination of the second and sets we are

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out of the game. Later in the game afternoon was the great catastrophe with the collapse of the roof of the Glass Works, where hundreds of spectators had climbed to witness the game. Several people were killed and many others were injured.

On Thanksgiving Day in 1903, the California - Stanford football game was held on a field near the end of Cal ifornia Street. I recal that in the preliminary game between the freshmen teams from California and Stanford that the 1907 freshman team (my class) was beaten by the Stanford freshmen by a score of to . I remember that Phil Carey was yell leader that day and that the song " I Rambled" was first sung by the students. I remember another incident that happened after the night of the game. On the night of the big game it was usual for a big celebration in down-town San Francisco, in the theatres, bars, clubs, Chinatown and restaurants. The town was literally torn apart. following incident happened in the red light district in Chinatown. Down one of the alleys (I believe it was St. Anne Street, off of Pine Street) a free for all fight had started. I came upon the scene with two of my buddies, John J. Olsen and Lloyd Bryan. We had arrived on the edge of the crowd which had gathered and could not see just what was going on. I then relied upon my knowledge of Chinatown from my high school days. I had my chums follow me down some stairs in a nearby building, through a basement hallway, then up stairs to the roof, then over a parapet wall to the building overlooking the alley where the fight was going on. We had a good vantage point but my pals were scared until I assured them that I knew my whereabouts in all me parts of Chinatown and could take them for blocks in Chinatown through hallways, roofs, and even tunnels underground.

In 1904 California Field was constructed on the Berkeley campus for use for football and baseball, on the area west of old Hearst Hall the women's gymnasium, and the women's basket ball courts, located on the

out of the came. Lat r in the roof of the more as ank, where indired of spectator id aligned to rithese the properties of the roof of the properties of the roof to rithese the properties and any others were injured.

On Thrake iving Dry in 1705, the Clifornic - Starlord football game was beld on a firld near the end of la iformia othert. I re an that in the wreliminary rate buttern the fre has terms fro sliftenia nd St mford that th. 1907 freshing to (my class) sas osstin by the Stanford fre baen by a soor of to that Thill ray vas rell leder that ay rist the sonr " I Po Pld" an first cung by the stal ats. I we amber emother indicat that imported after the night of the same. On the ni ht of the big make it was any ? for a big celebration in down-town am Transisso, in the the tres, bare, while, Orinatown and restaurants. The torn was literally term apart. It e following incident broppe of ir the relief mich in this tom. form one of the alleys is the it we it out of the t, of it trut) of the for all first bod otast d. The upon the gron ith tro of pluddies, John J. Olova al Joy Ervan, de had arrived o the and the crowd thick the country of the contract to the contract the co ing or. I then relied upon when dige of him town from my high chool days. I had my cinter tollow me do n some stairs in a n I ny builder through a been ut hally of the un atairs to the roof, then over marget will to the bilding overlocing the alley dere the first was going on. To had a cood venter roint but my pals ware strate on the mi stude for dw v rom! I that men't bernes I linu here a of him to many could tel them for bearing in in town through hall-Tyr. roofs, and even turn la underground.

In 1994 alifornia lield and annimuoted on the Berguly a unic for use for football and begenall, on the area vert of all servet lall the wolfn's surpassion, and the momen's basist hall courts, locted on the west side of College Avenue and north of Bancroft Way. Wooden bleachers were constructed on the east and west sides of the field. This field became very muddy after rains . To overcome this condition prior to a football game large canvasses were spread over the field, and particularly if rain was expected. In 1910 this field was widened to the east to accomodate the Rugby type of football. Additional bleachers were constructed at the north end of the field. I supervised the moving of the east bleachers and the additional grading which was required. I also assisted in the design and preparation of the plans for the north bleachers, working in Professor Charles Derleth's office. In 1911, to help overcome the trouble of a muddy field during the rainy season, Professor Charles Gilman Hyde was employed to design and layout a system of terra cotta tile drains, installed in trenches, filled in with gravel and sloped to the west side of the field. I assisted Professor Hyde in this work and also supervised the regrading of the field to give the surface more lateral drainage. This field was never very good as a playing field during periods of heavy or constant rainfall due mainly to the fact that the soil material of the field was a heavy clay soil. This work was done when Milton Farmer was the Graduate Manager of the Associated Students. The experience gained by me on this work helped me greatly when I worked on the construction of the field of the California Memorial Stadium.

From a small bey I always was interested in sports, such as in San Francisco t Polytechnic High School, located at the southeast corner of Bush and baseball, football, tennis and track. During my high school days, I Stockto Sheets pursued all these sports, Puringxexxkighxsekseixdexxxix but particularly track, baseball and bicycle riding. I was elected Athletic Manager, and was one of the group who organized the San Francisco Athletic Association of the high schools in San Francisco The other members in this organization were William Middleton from Lowell High School, "Bones"

Hamilton from Lick High School, and -- Bowley from Mission High School.

west it of College Avance on Inches the college of the vere constructed on to mark wit mut sides of the field. Thi field b of the unit ter rine . to overco e this condition rrior to c footbell g m lige convisce were spread over the field, in artiquetrip end of benefit ar blair fill thir figures as we wire his the end to accorde to the Lucitant football. Additional bleadant rure contructed at the north end of the field. I sup rvised the moving of the oate 1 . heriver any doing a direct for a religious of the direct direction and no desired and the mission of his betting lle of rs. vor in trofessor Trails Derleth's office. In 1911, to he in overcome the trouble of a mudy field auring the mainy resear, therenesor where filter ly even employed to lest nand layout a system of terra dot'a tilu ir ina. inat 11 d in trenches, filled in vith arreal and sloved to the west side of the field. I as isted Irofersor dyla this ork and allo supervised the regrading of the field to give the urfree more leteral trainage. Inis field we never very good as a Tying field oring period of berry or constant rainfall us a inly to the fact that the soil teril of the field we a heavy play coil. his a residence in a little of the contract of the case of the case ist a student of the exp rince of the on this the health help with the reatly had I worked on the construction of the field of the Jifornia

From 11 boy I all are a interested in aburts, such as carbell, forthall, tennin a ditract. During my high school lays I mraued all these sports, brings wxhighyschalkingswift at partion.

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In the fall of 1900, I first met Walter Christie, coach of track and field at the University of California, at a bay Counties Track meet held at the University of California Cinder track in Berkeley. In the two mile race I was spiked twice by a --- Bowley of Mission High School. Walter Christie removed the conders from my knees and bandaged me. This meeting was the beginning of a long friendship and association with Walter Christie until has death in 1957.

These same schools in San Francisco also belogged and participated in track and field meets in the California Academic League, which was State wide, and in the Bay Cities Athletic League, which composed schools about San Francisco Bay.

In the University of California beginning with August, 1903, I went out for track and baseball. On the track I tried out for the half mile, mile and two mile events. I never participated in any of the field events. I never won a race because there was too much better talent for me. I best I did was to break even time in the half mile (just eventful under two minutes). I participated in one half mile race, staged at the Emeryville Race Track in 1904 when Roy Service ran the half mile in 1: 52 3/5, a record for that day.

In the spring of 1904 I went out for baseball. There were many

excellent players on the team, Overall, Heine Heitmuller, Causley, Jim Schaeffer, Roy Reid, Joe Bhss, Dog Graham, and many others. In those days many of these boys had to make money to stay in college, so they often played semi-professional baseball under assumed names. My only claim to glory was to catch the ball when Ovie Overall was warming up. After graduation in 1904, Overall joined the Chicago Baseball team and pitched the team to a world's campionship, winning two games by his pitching. Jim Schaeffer joined the Boston

team and played in the outfield when Babe Ruth was pitching for this

team.

In the fall of 1911, I had occasion to go with Ralph Palmer Merritt, the Comptroller of the University, to a football game on the campus. Ralph Merritt had been Graduate Manager of the Associated Students in 1907 and 1908 and had a keen interest in their problems and welfare. On this day Ralph told/me that as University Engineer, it was my duty to assist the management of the Associated Students in their

engineering problems whenever I could and without cost to them, as any

insted in track and field to the in the daifermin Actoria and field to the in the daifermin Actoria and field to the interior and in the lary lift a the letic is arge. With non-out arbents about an Ex neigo -v.

In the University of Jalifornia berinning with women. I wat out for track and beschall. On the track I tried out for the last out for the balf mile, mile and two mile events. I never marticipated in any of the field events. I not events to the row a randle of the track to universe the row time in the balf mile (last out for me. I bust I did not to broke ven time in the balf mile (last out to minutes). I resticipated in on half dir race, storage to the last of the last out to half dir race.

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work that I did for them was of value to the University. So, from that date until the present I have done and/or offered my services gratituously on any and all of their engineering problems and maintenance work, of the Associated Students of the University of California.

The major items have included changes in the field, bleacher design and drainage of old California Field, the Running Træck constructed in 1914-15, the California Memorial Stadium, the entire Southwest Athletic development (Edwards Field), and consultation on many other of their engineering problems.

For many years I laid out the football and baseball fields, made the seating diagrams of the bleachers of the various fields and of the Men's Gymnasium. I also have made maps of the road approaches, paths, entrance gates, etc. of the various fields.

My gratitious services to the Associated Students over the years would have amounted to many thousands of dollars. I am proud that I had the opportunity to do this work.

In 1914 the writer made the surveys and prepared the plans for a new running track and field, located west of old California Field, east of Barrow Street and north of Bancroft Way, and now the site of the Women's play field on the west side of the Women's Gymnasium. The track was designed four paps to the mile. After I had started the designs on this track, I lost the engineering control of the project to Mohn Galen Howard, the University architect, who intervened under his contract with The Regents, wherein he was to design and have full charge of all buildings and construction on the Berkeley Campus, west of Piedmont Avenue. However, the Associated Students Association appointed me as chairman of the special track committee in charge of all details and layout of the new track, so I was in virtual control of design and construction.

At this time (1914), Mr. Walter Christie, track coach and I experimented with various materials for the track construction and

ork that I did for them sa of value to the University. So, from that date until the present I have 'one and/or offered my services a utituously on any 'nd all of their engineering problem and maintenance work.

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At this time (1914), Mr. Walter Aristic, track coach and I experimented with various materials for the track construction and

surfacing. Among the materials tried were the usual coal clinker and cinders, sandy clay on a clay base, a sandy clay surfacing on a base of redwood bark and shavings, and a peat base covered with a layer of mixed sandy clay and screened cinders. The use of peat as a base had intriged me for many years, The Emeryville horse race track in Emeryville had been constructed with a peat base about a foot thick, topped with bark. This track retained its resilence for many years and always had excellent drainage. This track was never muddy in rainy weather. A close personal friend of mine, Paul Bailey, who at the time was manager of a large ranch owned by Louis Titus. horth of Tracy which extended down to the marshes and had large deposits of peat. I advised Mr. Bailey of my project and he sent me two truck loads of peat cut into cubes about & foot in size. The peat was placed in a strip about two feet wide for the experimental section of track, and topped it with a layer of a mixture of sandy clay and screened cin-This type of track construction had great merit but due to lack of sufficient funds it had to be discarded. The track that was constructed had a clay base and a topping of cinders salvaged from the old track near the eucalyptus greve. In this development, bleachers were construct ed on the east and west sides of the track. This track was much used during the many track meets held during the Panama Pacific International Exposition in San Francisco. May noted track and field stars perf ormed on this track and set records. This track served its purpose satisfactorily until the new athletic fields (Edwards Fields) were constructed in 1931 in the area east of Fulton Street to Dana Street and north of Bancroft Way to the Cross Campus Road.

About 1924, I, as University Engineer, began the study of a major Men's Athletic plant for the so-called southwest area of the campus, which included a new running track and field, and a baseball field, to be used also for practice football in connection with the proposed Men's Gymnasium. A portion of the funds for the Gymnasium had

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been made under the Cowell bequest about 1904. I recall as a student when President Wheeler announced from the platform in the old Harmon Gymnasium at a University meeting that the University had received funds from the Cowell Estate for a new men's Gymnasium and for a student hospital. It took many years before eith the University Hospital (Infirmary), built in 1929, and the Men's Gymnasium (built in 1931) were constructed.

The development of the Men's Gymnasium and practice play fields and running track stadium in the southwest corner of the campus had been a dream of mine since 1913 when The Regents of the University of California decided to square out the campus by acquiring south to Bancroft Way and west to Fulton Street. My development scheme was made in 1924. About five years later plans for the Men's Gymnasium and Play Fields and Track were authorized. I recall a conference called by Comptroller Sproul in his office to discuss the pro-Among others at this meeting was Professor Frank Kleeberger. head of the Department of Physical Education for Men, who were asked for their comments on the tentative plan of development. Frank was interested and surprised at my proposed plan. He asked me when I had made it and I showed him the date of the plan, He then called me a dirty dog for not taking him into my confidence about the plan, as we had been close personal friends over the years. Comptroller Sproul then advised the group that the plan was only a tentative plan prepared by the University Engineer for discussion and comment. However, my tentative plan was virtually carried out in final form as I had planned it.

The details of the Running Track and Field were entirely prepared in my office of the University Engineer. I aimed to make this track and fields the finest in the country. It was four laps to the nile. Transition curves, as used in railroad and present highway layben med nad rite Joseff brust bent 100. I recall call the hen fresident in the announced months of object in the old arrent provides in the all to riversite be received index from the Joseff bent for a national for a national fresh in a continuation. It took any years before ith the University Lospit 1 (Tifirm ry), hailt in 1939, and the Len's Symmasium (milt in 1937)

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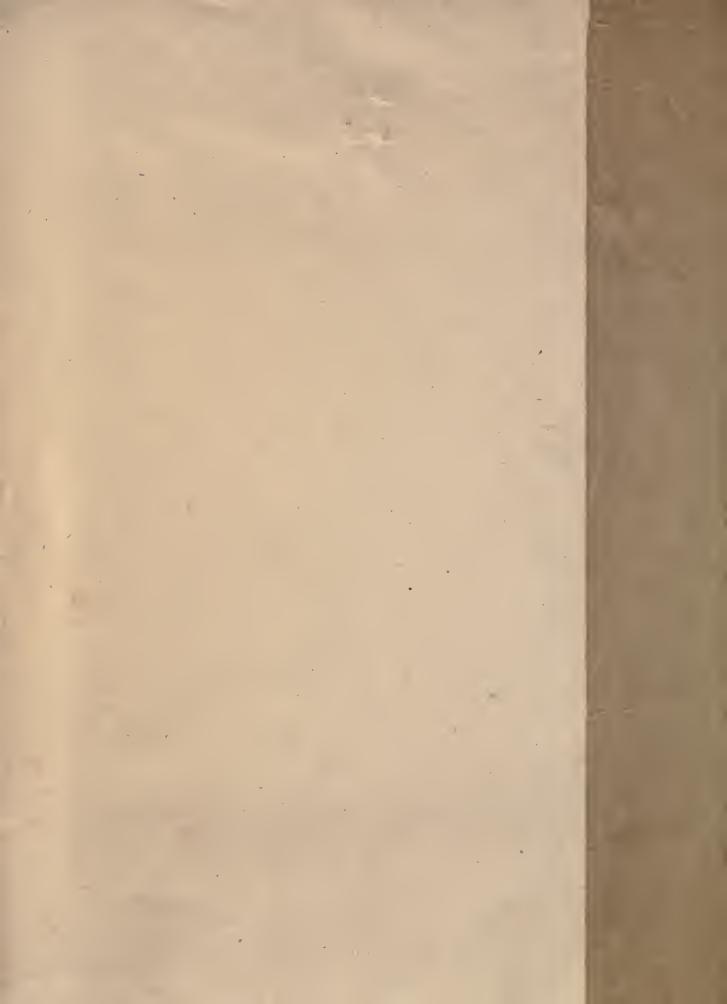
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Track Blueprint -George C. Edwards Track & Field?





out of curves, were used between the tangents of the straightaway portions of the track and the circular portions at the ends, in order that runners in negotiating the curves at high speed could hold their position close to the pole or inside rail without undue effort xxxxxxx due to centrifugal force. This idea was given to me by Billie Drum, one of California's star sprinters in the nineties. He was an engineer for a (Northwestern Pacific Railroad, from Sorsalito to Eureka, railroad and knew the mechanics of centrifugal force. The turns at the ends of the track were banked to care for the centrifugal force of the runner while negotiating the curve at full speed. I now understand that the banking of the curves has been forbidden by the Olympic Games Committee. I first noted this at the Stadium at Helsinki in Finland in 1950 which had flat turns. I discussed this item with the superin-Helsinki, Findland tendent of the stadium and he told me that the track was made to the rules and specifications of the Olympic Games Committee.

The main drainage of the track consists of graded lines of/tile drains on each side of the straightaways, with catch basins about 80 feet apart to collect the surface run-off in the valleys or depressions on each side of the track.

The east straightaway is 20 feet wide and the west straightaway is 32 feet wide, the width of the field between the pole or curbs is 208 feet. The 220 yard sprint and hurdles are run on the west side of the track. For the layout of the high jump, pole vault, broad jump, shot put, and javelin see the attached plan of the field.

The subgrade of the track was a clay soil which was graded and rolled to a firm base. On the straightaways it was sloped 4 inches away from the pole or inside curb, or at the rate of 1 inch in 8 feet (a slope of 1 inch in 6 feet would have been better). At the end curves it was sloped to the inside curb at a slope of 0.9 inch per foot at the center or axis, tappering or flattening as the straightaways

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were approached. Three inch terra cotta tile drains, laid in a trench below the clay subgrade, surrounded with one inch gravel laid in a trench below the clay subgrade, surrounded with one inch size gravel collect the drainage. A complete drainage system carries the drainage away from the track and field.

The track construction consists of 5 to 6 inches of coarse rounded gravel from 1½ to 2 inch in size, laid on the rolled subgrade to facilitate the drainage, then 5 inches of coarse coal clinker, which was retained by screening on a 3/4 inch square mesh screen; on top of this was placed 4 inches of cinders which passed a 3/4 inch screen and was retained on a 1/4 inch screen; then on top of this was placed a 2 inch layer of cinders which passed a 1/4 inch screen, and for the final topping, 2 inches of cinders and fine sandy clay which passed through a 1/4 inch screen and mixed in about equal parts. The clay acts as a binder and provides a firm but resilient surface which the spikes of the running shdes will not disturb and will pull clear when the foot is lifted.

The cinders were obtained from various sources on account of the large quantity required; namely, from the Bingham and Garfield Railway Company; Salt Lake City; the Utah Fuel Company, Utah; the Denver and Rio Grande Railroad and from the Columbia Steel Company at Provo, Utah. No charge was made by these companies for the conders except for the cost of loading the freight car, which cost varied from \$15.00 to \$20.00 per car. To this add the cost of the freight and hauling charges from car to the track. The cinders weigh about 1500 pounds per cubic yard. The clay was a sandy clay from pits north of Fresno on the south bank of the San Joaquin River. The sandy clay is the same as that used in the running track of the Fresno State College, which is considered one of the fastest running tracks in the United States. The sandy clay cost \$0.90 per ton f.o.b. cars at the plant siding. The freight from

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Fresno to Berkeley (Adeline and Stuart Streets) was \$3.00 per ton and the hauling from car to Edwards Field was 35 cents per ton.

The curb of the track is a 3 x 8 inch surfaced redwood treated with Columbia wood preservative, manufactured by Charles Andrews, formerly by wrestling instructor in the Department of Physical Education for Men at Berkeley. The treatment consisted of floating the dry timbers in a trough filled with the preservative to get maximum absorption, and then racked up in piles with open spaces for ventilation so they would dry.

The surface of the track slopes away from the pole or inside track Surface curb 4 inches in the 32 foot of width. This slope keeps the land hext to the pole drier and therefore in good condition.

The runways for the broad jump, javelin, high jump and pole vault are constructed of a sandy clay, screened through a quarter inch mesh screen, laid on a rolled sub-base 6-inches deep and then rolled to a firm surface. There are no cinders or an underdrainage system below these runways. The runway for the broad jump is 4 feet wide by 140 feet long; for the javelin 4 feet wide by 110 feet long, except at the take-off where it is widened to a width of 12 feet for a distance of 15 feet, tapering off for a distance of 20 feet to the 4 foot runway; and for the pole vault the runway is 4 feet wide by 135 feet long.

The clay was obtained from the pits north of Fresno and is the same material as used in the track construction. A clay with less sand would be more desirable as it would pack harder and firmer. At the take-offs the surface had been made firmer by the addition of a stiff clay free from gravel and stones. Fire clay was used for this purpose, as it was finely ground and easily applied. Any stiff plastic clay is stitable. The take-off for the high jump is 40 feet wide by 60 feet long and is composed of stiff plastic clay from 8 inches thick at the sides away from the jumping pit to 12 inches thick at the take off at the pit. The dry was screened through a 1/4 inch mest screen and

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feet, tangering off for a distance of 20 feet to the 4 foot rungays. The

The clay we sobtained from the pita north of fresho and is the cone materi I as used in the track construction. A clay with less and could be considered in the construction of a stiff and the unfoce had been made firmer by the addition of a stiff clay free from gravel and stones. Fire clay was used for this purpose, as it was finally ground and easily applied. Any ctill plastic clay is satisfied. The take-off for the high jump is 40 feet wide by 60 feet added or composed of ctilf plastic clay from 2 inches thick at the cake off the prides sway from the jumping pit to 12 inches thick at the take off the pit. The dry clay was screened through a 1/4 inch mest screen and pit. The dry clay was screened through a 1/4 inch mest screen and

placed on a rolled sub-base and finally wetted and rolled to an even firm surface.

The shot put and discus rings were made entirely of tough plastic clay about 12 inches thick, the clay being free from gravel and stones. Even under the best of care in construction the rings are cut up so rapidly that two ot more rings for each event should be provided. A puddled clay such as used in the manufacture of bricks or terra cotta products may be obtained from the plants near Lincoln, California, or from the Los Angeles area would be ideal for the take-offs for the high jump, broad jump, javelin, discus and shot put rings.

The pit for the broad jump is 8 feet wide, 36 feet long, and about 24 inches deep. An underdrain system around the edge of the pit consisting of terra cotta tile drain pipe was installed and connected to the drainage system of the field. Three layers of cinders were added, the first layer about 4 inches thick of coarse cinders, retained on a 3/4 inch screen, then a layer about 4 inches thick of cinders passing a 3/4 inch screen and retained on a 1/4 inch screen; and then a 3-inch layer of fine cinders passing a 1/4 inch acreen; and finally a layer of screened sand about 16 inches deep. No shavings are added. The sand alone gives a clean line of demarcation of the jumper's foot prints.

The pit for the pole vauly is 14 feet wide by 22 feet long. It as often a vaulter falls to the edge of the pit, would be desirable if the pit were 18 feet by 24 feet in size, / It is 3 feet deep and has a similar drainage system to that of the broad jump pit and is finally filled with about 30 inches of fine shavings. Do not use redwood shavings. Splinters from the redwood are likely to fester readily if they get into cuts.

A desirable pit for the pole vault and high jump is made by filling the excavated pit, which has been provided with a drainage system of gravel and outlet pipes, with a layer of from 10 to 18 inches of plend on collection that the collection of the c

he chot ut end issue ring were do ntirely of touch plantic clay about 1. inches thire, the clay being free from reavel end etoned. Area under the boat of our in construction the rings are cut up so ramily that two of sor miner for each event should be provided. A public clay such as med in the manufacture of bricks or term no troducts may be obtained from the plants near incoln, dilifornia, or now the Lo inches we say it is ideal for the take-off for the limb ideal for the take-off for the limb.

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desirable nit for the nole vault and high jump is made by filling the scavated pit, high has been provided ith a drainage myst m
of gravel and outlet tipes, with a layer of from 10 to 13 inches of

shredded reduced bark, which is held in placed by a cover of galvanized poultry netting of about 1-inch mesh and finally a layer of not less than 15 inches of pine shavings. The shredded redwood bark will act as a mattress, is resilient, and has a relatively long life.

The surface of the track requires constant attention to keep it smooth, even and of proper moisture so that it will not become hard and baked. Drags and brooms pulled behind a truck are usually ample to keep the grack smooth and even. Sufficient water outlets should be provided for wetting down the track. The clay and cinder surface of the track should be removed, worked over and replaced every several years.

The 50, 100 and 220 yard sprints and the 130 and 220 yard hurdthe
les are run on the west side of the track. The section of/track north
of the bleachers on the west side has only a rather lown fence and at
times this section of the track is cold and windy. I have often recommended that a tree or high bush windbreak be planted along this section of the track to break the cold winds blowing in from the wset. I
have often heard the athletes say they dislike these cold winds as they
are apt to cramp up awaiting the start of a race.

An underground sprinkling system was installed to cover the field portion but hand sprinkling is resorted to for wetting down the track.

Dressing rooms and showers are provided under the bleachers on the east side of the field.

This track and field was dedicated to Professor George C. Edwards, a graduate of the first class from the University in 1869, a professor of mathematics and for many years the commandant of the University Cadets, and an ardent follower of track and field. For many years he was a timer of track events or a judge at the finish. I believe that it was fitting that this track be mamed the George C. Edwards Track and Field.

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This track and field was dedicated to Professor Grow e 2. ... of emanding the first class from the University in 186, a rejeasor of methematics on few many years the commandent of the University and the an ardent follower of track and field. For ear wears he we a time of track events on a finder at the finish. I believe that it was a little distant track freely he mayed the finish. I believe that it was a little distant

I was on a leave of absence as University Engineer from the University from November, 1919 to July, 1921, at the City of Sacramento as their Hydraulic and Filtration Engineer on their new water supply development for which bonds had been voted. However, I arranged and did put in my time on engineering operations of the University and of the Bear Gulch Water Company, which was owned ad operated by the University. It was during this period and for a time after I returned to the University that the agitation was on for a new and enlarged football stadium for the Berkeley Campus, either on or off the campus, and for the financing of the project. Of course, I was much interested in the project, at least as to its location and size and of the major engineering details, playing field, etc. I voiced my opinions vehemently. Various sites were suggested and studied, including Hopkins and Milvia Streets, now the site of the Garfield, the Bunnell Tract at Called Grand The; the Heyward Tract between Grove and Milvia Streets, of now the Navy Housing area; the northwest corner of the campus, east of Oxford Street and south of Hearst Avenue, which was used for Nurseries. Forestry and Health Buildings, and formerly was the Drill Field and practice baseball and football field.

I will review some of the details of the project as taken from The $^{\mathrm{R}}$ egents's records.

On Feb. 10, 1921, President Barrows reported to the Grounds and Building Committee of the Regents of the inception of plans for a stadium. The President informed the Committee that since the last California-Stanford Football Game, when it was impossible to seat a great number of students and alumni wishing to view the contest, there has been considerable discussion in the student body of the desirability of erecting a stadium or bowl, with a seating capacity of at least 60,000, and that the Executive Committee of the Associated Students had appointed three committees to consider the matter; First, a Committee on Stanford-Cal-

In as one a layer of absence of University orginest from the University from the University from the filtration Engineer on their mer enter surply development for which londs had been voted. Low yer. I arranged and did put in my time on engineering or rations of the University and of the Engr Gulch dater Jomeany, which was owned an organized by the University that this period and for a tile after I returned to the University that the artistion was on for a new and enlarged football stadium for the Berkeley Compas, either on or off the campus, and for the financing of the project. Of course, I was much interested in the project, it least as to its location an size and of the nainearing details, playing field, etc. I voiced my opinions whemently.

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ifornia Athletic Relations, on which the future finances of the enterprise must be based; Second, a Committee on Finances to consider ways and means of raising the necessary funds which will probably be in excess of \$750,000; and Third, a Committee on Site and Type of Structure. He presented a report from the third committee, consisting of Dean Derleth and Dean Probert, recommending that the structure be placed on northwest corner of the campus and that it be of the general type of the Yale Bowl. The President presented a blue print showing the space which such a structure would occupy on the site named. He then asked the Architect (John Galen Howard) to present to the Committee certain studies which he had made of the problem, both as to the various sites and types of structure. Mr. Howard informed the Committee that he had considered three possible sites, namely, the northwest worner of the Campus; two blocks of land between Allston Way and Bancroft Way, Fulton and Ellsworthn Street, just outside the campus at its southwest corner; and the present site of California Field, and had found all three to be of practically the same size and equally available for stadium purposes, except as to transportation and finanical considerations. He had further made a study of eighteen types of stadium or bowl, fitted to these sites, and had found that very satisfactory results could be obtained in a number of acceptable forms. Diagrammatic plans of these alternative types were presented to the Committee for consideration. The Committee expressed the opinion that the northwest corner of the Campus is necessary for drill field and playground purposes and cannot be devoted to a stadium; and that the financial outlay involved in the purchase of the land adjacent to the campus at the southwest corner would be too great to make that site a practical one. It was, therefore, voted to recommend to The Regents that the present site of California Field be used for the stadium or bowl and that the Supervising Architect be authorized to make a further study of that site and to recommend to the

iformis athletic welltions, on which the future financus of the ent. -prise rust be breed; Second, a for itte on Finances to consider w va and means of raising the n cessary fund thich will probably be in excess of 750,000; and Third, committee on Situand Type of Structure. He recented a renort from the third counittee, consisting of Dean Dericth na o on Frabert, recommending that the structure be no cod on north est corn r of the control and the t it be of the remend type of the Vale Dowl. I Ire ilent am a nted : ilu arint she ina the spare which such a stricture yould once, the ite i med. I then asked the Architect (. nhm "alen Howard) to mresent to the unittee c riin redier hill h had made of the problem, both as to the various sites and tyres of tructure. Ir. To red in orand the Counittee that is had considered for nossible site, newelr, the northwest corner of the Umpue: two wlocks of land between Allston Vay and Daneroft vay. Sulton and llaworth Struct, just out ide the compus at its coutlivest corner: and the proment site of Jaliforni Field, and in d found all three to us of preciselly the case sire of era ly weallable for atstaum rurpees. except as to transport tion on financeal considerations. He had have ther made a study of eighteen types of tadium or bowl, fitted to there sites, and had foun that ray a fister togy results could be obtain d in a number of acceptable forms. Diagra matic plans of these alternative types ere pre ented to the hamittee for consideration. The Cormittee expressed the ominion that the northwest corner of the Campur is hereas my for drill field and playeround purposes and connot be dayoned to a stadium: on that the financial outlay involved in the purchas of the land adiac nt to the comme at the southwest corner would be too of befor enotered; ear tl .ero i site a stie ford to of taern r comm ni to Th te ents that the areast site of California Tiell b used for the stadium or bowl and that the dimervicing Architect he authorised to make a further study of that site and to recommend to the

to the Committee and to the Regents a type of structure which would meet the requirements of the student body and the University.

At the meeting of the Regents on April 12, 1921, The Regents presented approved the following portions of a Memorial/by the Committee of the Associated Students in charge of plans for the erection of a University stadium.

(1) Financial: It has been roughly estimated that a stadium of the type and size desired will cost in the neighborhood of eight hundred thousand to one million dollars, though decreasing prices of labor and material may permit a considerable saving on this amount.

In order to raise such a sum it will be necessary to invite the general public, as well as our alumni and students to participate in the campaign for funds. With this fact in view the committee has devised the following financial scheme, which has the advantage of offering not only the assurance of good seats, but also an actual financial return of one half the value of the subscription by means of free admissions for a period of years.

For each \$50.00 subscription the subscriber shall be entitled to one select seat in the subscribers' section, and the subscriber shall have the option of purchasing said seat for an additional period of five years at the regular admission rate. Subscriptions shall be by individuals, with the exception of recognized Athletic Organizations. The number of seats each individual may subscribe to shall not be limited, but the Stadium Executive Committee reserves the right of allocation of seats wherever blocks of more than ten seats are requested.

Students shall be invited to subscribe on the same basis as Alumni and the general public, but special consideration will be given them as follows:- any student upon payment of \$25.00 may reserve the right of a subscriber until graduation or permanent withdrawal from college. Upon completion of college he may become a regular subscriber

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upon payment of the balance due on his subscription price after deducting \$5.00 per seat per year during the time intervening between the date of first payment and that on which he completes his subscription, provided, however, that this period shall not exceed five years.

(2) Organization of Campaign: No definite date has as yet been set by the Committee for the actual financial drive, but there seems to be a general feeling that the phychilogical time for the drive will be during the coming football season, when the scarcity of seats is again paramount in the minds of the public.

Organization :-

1. Executive Committee of the Stadium:

The President of the University.

The Comptroller of the University,

The Alumni representative of the Associated Students Executive Committee,

Mr. Ralph P. Merritt,

The President of the Associated Students,

A student representative appointed by the Executive Committee of the Associated Students,

The Faculty representative of the Associated Students Executive Committee.

The Graduate Manager of the Associated Students,

And such other members as may be subsequently added by The Regents.

This committee is to hold regular meetings at frequent intervals and/ to exercise complete executive authority over the Stadium Campaign.

2. General Committee :

Composed of about 25 members, selected from prominent Alumni and friends of the University whose names will add prestige to the campaign. (see the stadium number of The California Alumni Monthly, October, 1921, page 318 for names of Stadium Executive Committee and local Chairmen).

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S. Jeneral Committee:

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3. Student Committee:

Selected by the President of the Associated Students to conduct student campaign and cooperate in general campaign.

THE RESERVE AND THE OWNER, WHEN

- 4. Local Committees :
 - a. Alumni of Berkeley, Oakland and San Francisco.
- b. Commercial Organizations: Committees of business organizations in Bay Region, working through Chambers of Commerce, Rotary Clubs, Athletic Clubs, Advertising Clubs, etc.
 - 5. Sectional Committee :=

Division of the State into districts, with district of city chairman, and active committees of alumni to assist chairman.

Publicity: The committees favors the release of publicity on the general plan, financial scheme, and setting of date for active campaign in the near future in order to establish our project in the eyes of the public before the Stanford Campaign has exhausted the field.

To be Incorporated in the Publicity Campaign :-

State appropriations are insufficient to meet the needs of our growing institution regarding such quasi-academic buildings as a gymnasium, museum, dormitories for men and women, and moreover, as it is questionable whether these buildings should be financed by the enforced contributions of taxpayers, the Stadium Committee plans and promises in so far as it is able to do so, to divert from the net proceeds of intercollegiate contests, a generous contribution toward a University Fund to insure the early addition of such units to the Campus. The above recommendations of the Finance Committee were approved by The Regents at their meeting held on April 12, 1921.

At the same Regents meeting, the President Barrows also presented the following Memorial from a Committee of the Associated Students in connection with the proposed University Stadium, stating that recommendations with reference to sections five and six of the Memorial are

5. Stud nt Consittee :

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Styte comportations are insufficient to meet the needs of our rowing institution are reading must present and waters as a rown, ship, museum, dormitories for an all women, and watervor, as it is amostionable whether these buildings should be financed by the suffered contributions of terms are, the Stadium of ittee plans and aromises in so for sit is able to do so, to divert from the net process of interpolariate contests, a generous contribution toward course of interpolariate contests, a generous contribution toward and this resity and to insure the conference of the Finance Committee were accommendations of the Finance F

At the same depents motion, the Iro ident Barrows also presented the following Lemonial from a committee of the Associated Students
in connection ith the proposed Thiversity Stadium, stating that means and stions ith reference to sections five and six of the Tmorial are

contained in the report of the Finance Committee, as follows, This report is submitted for the approval of President Barrows and the Board of Regents. Though the committee has given very careful consideration to all points contained herein, the plans are somewhat tentative, and we solicit your suggestions.

After several months of careful consideration and deliberation under the most adverse circumstances, the committee on Stadium has reached the following plan for financing, administering, and selecting type and size of structure to be built by the Associated Students and known as the University of California Stadium.

- (1) Site. By action of the Regents, the California Field Site, with such additional space as may be allotted by The Regents to accomodate the size of structure finally approved, has been granted to the A.S.U.C. for the purpose of building a stadium, provided however, that in case a sufficient subscription to purchase a site adjacent to the campus is secured by the Regents, they shall reserve the privilege of assigning that site for the stadium.
- (2) Size of Structure. General plan is to construct a stadium large enough to accomodate at least 60,000 persons, and preferable 75,000 persons.
- (3) Type. The committee favors the oval type completely closed stadium, wholly or partially above surface, with double deck arrangement on both sides. In case seating capacity cannot be secured by double decking sides only, it may be necessary to extend the double deck around the entire bowl, although the Committee favors the first suggestion order to reduce the height of walls on Bancroft Way and on the Faculty Glade.
- (4) Administration; Due to the fact that the burden of raising the requared sum of money to finance the project will undoubtedly fall upon the A.S.U.C. and its committees, the Executive Committee feels

contained in the report of the Finance Counittee, as follows, This report is submitted for the approval of Fr. sident Larrows and the bound of Regents. Though the committee has given very careful consideration to all points contained herein, the plans are somewhat tentative, and resolicit your surgestions.

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- (1) Aministration: Two to the fact that the burion of raining the manufact will undoubt ily fall unon the A.S.T.'. and its committees, the executive formittee feels

that the administration of the Stadium should be vested in the Associated Students, subject only to the approval and wishes of the President of the University and the Board of Regents. It is also understood that the Associated Students will cooperate with the University authorities in every way possible, so that the Stadium shall he a credit to all California.

(5) Financial; (Same as given in the Finance Minutes of April 12, 1921, with the following additional paragraph).

Any individual who subscribes an amount in excess of \$1,000. shall be known as a founder, and shall be entitled to have his or her name engraved on the Founder's plaque.

(6) Organization of Campaign: (This is the same as given in the Finance Minutes of April 12, 1921).

Organization:

1. Executive Committee of the Stadium.

President of the University of California,

Ralph P. Merritt,

Robert G. Sproul,

Chaffee E. Hall,

President of the Associated Students of U.C.,

Student representative appointed by Executive Committee of the A.S.U.C..

Dean Frank H. Probert, Chairman,

Luther A. Nichols, Executive Officer,

This Committee is to hold regular meetings at frequent intervals, and to erercise complete executive authority over the Stadium campaign.

- 2. General Committee; (Same as Finance Minutes of April 12, 1921
- 3/ Student Committee; (" " " " " " " "
- 4. Local Committees; (" " " " " " "

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(4) Omespiration of Semester . (This is the same as jit with the incomplished servers of the Till 1.).

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Publicity; (Same as Finance Minutes of April 12, 1921).

The President moved that sections two (2), three (3), and four (4) be referred to the appropriate Committees of the Regents. The motion was seconded and it was voted unanimously to make such a reference

At the joint meeting of the Finance Vommittee and thee Grounds and Buildings Committee on April 28, 1921, the meeting was opened with a general discussion as to the location of the proposed structure of the University Stadium and it was the unanimous sense of the Regents that California Field should not be selected as a site for the Coliseum or Bowl, which ever may be later decided upon as the proper structure. Regents Moffitt, Britton and Bowls each expressed a decided opposition to using the suggested site on account of probable future needs for University expansion. Various sites were discussed and while no definite recommendation was made, the conclusion was reached that a site should be chosen as near to the University as possible.

Professor Probert and Mr. Howard presented figures giving approximate estimates on the cost of constructing a Stadium on a site similar to Caifornia Fdeld, and it was brought out that the cost would be from \$12 to \$15 per seat, using the coliseum type of structure. It was estimated that approximately \$800,000. would be the cost of such a Stadium, exclusive of the necessary ground site to erect it on.

Regenty Britton made the suggestion that the Regents acquire an acceptable site which could be deeded to the students, and the general ideas of raising the necessary money by subscription and a bond issue be formulated into a satisfatory plan, the property to be deeded back again by the Associated Students to the Regents after the necessary financial arrangements were completed. On motion, duly made and seconded, it was voted that a definite plan, based on this general outline, be formulated by the Attorney, in consultation with Regents Earl and Britton, and Dean Probert, Chairman of the Stadium Committee, and to

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four (4) to referred to the appropriate Committees of the Lewister De Committees De Committe

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recommend to the Regents that this plan be adopted.

So at the meeting of the Regents on April 28, 1921 California
Field was deemed unavailable for the stadium and instructed a plan for
the acquirement of an extra campus site.

At the Grounds and Buildings Committee on May 19, 1921, the secretary reported that the meeting had been called at the request of the President for discussion with reference to the proposed stadium. The President then asked the Committee for a final decision as to the site of the structure so that the Committee in charge of the campaign might proceed with its preparations. After considerable discussion and the presentation of sketches by John Galen Howard, the Committee voted to recommend that the property lying between Allston Way, Bancroft Way, Chapel Street, and a continuation of the western boundary of the University grounds through the block between Fulton and Atherton Streets, be secured by the Regents through condemnation proceedings to be instituted by the Attorney at the earlist possible date. After this land has been secured the general plam is to deed it to the Associated Students, who can thereby raise money on a mortgage and eventually redeed it to the Agents. The Finance Committee concurred in this recommendation.

At the Finance Committee meeting on May 31, 1921, the Attorney presented a letter to the Committee with reference to securing land for the proposed Stadium, in which he asked :-

- (1) if he was authorized to incur the necessary expense of securing information concerning land titles;
- (2) if condemnation suits were to be filed immediately after the next Regents' meeting;
- (3) that he be authorized to prepare a resolution providing for the location of the Stadium.

It was the sense of the Committee that there was no necessity at

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ou of the meeting of the merents on invil 11. 1921 California wield has deemed un railable for the stadium and instructed a rlan for the acquirement of an extra camus site.

At the Grounds and Astillines Countition on Act 19, 1921, the occeptary renorted that the mouting had been colled to the request of the Precident for discussion with reference to the process station. The President thin 'sked the Jamittes for a final a cition and to the rite of the structure on that the Committee in charge of the cementing roterunile dith ite preparatione. After considerable di cursion and the prematation of sketches in John I den Loverd, the Jornittee woted to recomment that the promerty lying between Alleton Jay, ingrenor Try, th well street, and a continuation of the west on loungary of the University resunds through the block intween witon and Atherton Strates be required by the Regents through condemnation renouldings to be in the tuted by the Attorney at the earliet coasible date. Aft w this land has been decured this seneral plam is to deed it to the tasocioted -tudents, who can thereby raine money on a northern and overthally refied it to the mermits. The Minance Committee concurred in this meso seni-. noits

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- (3) if conformation suits were to be filed imadistely after the next legents' neeting;
- (3) that he be authorized to prepare a resolution providing for the location of the Stadium.

t we the sense of the Committe that there as no necessity at

the present time to secure detailed information concerning land titles but that suit might be instituted under a blanket arrangement, containing such information as could be readily secured. The Committee voted to authorize the Attorney to prepare the necessary resolutions for filing suit in this manner immediately, and instructed the Secretary, as soon as the resolutions are ready, to arrange for a special meeting of the Board.

At the meeting of the Grounds and Buildings Committee on May 26, 1921, Regent Bowles raised a question as to the attitude of the Regents toward the administration of the property to be required for the proposed stadium. It was the sense of the Committee that the Regents must control the administration of the property and that the Attorney, in consultation with the Chairman, should prepare a statement for the approval of the Committee as to the exact limitations of such control.

It was voted that all plans for approval be first submitted to the Committee on Grounds and Buildings, to be later discussed between the Committee and the Student Stadium Committee rather than having such plans submitted to the Student Stadium Committee by the Architect.

At the meeting of the Grounds and Buildings Committee on May 26, 1921, it was voted to recommend to the Regents that the site recommended on May 19, 1921, be limited in area to the section embraced between the east line of Fulton Street and the west line of Chapel Street, the south line of Allston Way and the north line of Bancroft Way.

At the Regents meeting on June 14, 1921, President Barrows reported that the Graduate Manager, Luther A. Nichols, has returned from a visit to the Ohio State University, University of Illinois, Purdue University and University of Kansas, where stadium projects have either been successfully realized, as at Ohio, or are under way. Mr. Nichols brings back an enlarged conception of what can be achieved through the organization of the alumni behind a great memorial project. The Univ-

the precent that to soome detail district properties and the source of the but that cost information as could be readily secured. The Committee votate authorize the Attorney to prepare the necessary recolutions for the ing suit in this can a indistely, and instructed the Sucretary, as con so the machine are acid, to errang for a secience of the source of the secience of the source of the secience of the secince of the secience of the secience

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It the metting of the Trounds and Buildings Committee on May 26, 1001, it was wot die necommend to the Marchts that the site race added on 107, 1001, he limited in area to the Scottion embraced between the sact line of Fulton Street and the meet line of Charal Street, the couth line of Clatch May.

At the !seenth .reting on Tyne 14, 1021, Tresident Barrows war norte that the irraducts aneger, Tuthor 1. simbols, has returned from a risit to the Chio .tete University, Trivensity of Illinnia, Furduction raity and University of aneas, where studium anticots have lither here curressfully realized, so this, or are under my. In linkola hair material and through the committee to conception of that a me achieved through the ormanication of the almost the index memorial aro, ot. The Internation of the almost around through the committee to the almost and managed and index memorial aro, ot. The Internation of the almost around the index internation of the almost and around the index internation of the almost anealy and around the index internation of the almost and around the memorial aro, ot. The Internation of the almost and around the memorial aro, of the Internation of the almost and around the index around the

iversity of Illinois has increased its effort from a million and a half to \$2,500,000. which they expect to realize. Ohio reports that they by no means exhausted the amount of contributions at \$1,250,000. In other words, by combining the number of projects having to do with the development of the western end of the campus, and each capable of making an appeal, it is believed that much more can be realized at Berkeley than was at first proposed. These projects include the realization of the Hearst Architectural Plans for the development of the western end of the Cowell Gymnasium, the building of the Stadium, or coliseum, with the acquisition of the necessary addition to the campus, the improvement of Oxford Street and through activity of Berkeley town and its citizens, the widening of Addison Street into a city park or prado affording a fine approach to the university grounds from Shattuck Avenue. The sums necessary to realize this entire project may be estimated as follows:

I further express the view that the stadium committee should be reorganized and considerably reduced. Effective stadium committees in the east have consisted of from 5 to 7 members, meeting daily throughout the period of the campaign. I recommend the following changes:

The elimination of the President, who is sufficiently represented by a faculty member; of the professor of physical education, who is going on leave, as soon as he departs. That the student representation be reduced to one, either the President of the Associated Students or a representative appointed by him. This will leave those members who it is believed will be in a position to meet with the greatest frequency.

I recommend that these matters be referred to the Buildings and

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Grounds Committee and the Finance Committee, and that an early opportunity be afforded to Mr. Nichols to report what he has learned on his eastern tour, and to hear other members of the stadium committee upon the plans they have in view.

In regard to the Stadium site, the grounds and Building Committee moved the adoption of the following resolution, with the understanding that action by the Attorney thereunder shall be deferred until after a joint meeting of the Stadium Committee, the Grounds and Buildings Committee, and the Finance Committee for the maturing of Stadium plans;

whereas, the grounds of the University of California at Berkeley have become, and now are, inadequate for its requirements;

NOW, THEREFORE, BE IT RESOLVED by The Regents of the University of California that public interest and necessity require that all that real property situate between the west line of Chapel Street and the east line of Fulton Street, and between the north line of Bancroft Way and the north line of Allston Way, in the City of Berkeley, County of Alameda, State of California, and every interest therein, be acquired for the use of said the University of California as part of the grounds thereof; and

BE IT FURTHER RESOLVED, that The Regents of the University of California acquire said real property and every interest therein for the use of said The University of California as a part of the grounds thereof, by proceedings in eminent domain, in accordance with the provisions of Title VII, Part Likk III of the Code of Civil Procedure of the State of California;

On motion, the Regents approved the report of the Grounds and Buildings and adopted as the action of the Board all the recommendations contained in the report as to action taken by the Board, President Barrows, Regents Bowles, Gregory, Earl, Fleishhacker, Foster, McEnerney,

Grounds Jor ittee and the ringues Jornittes, and that an erly opnortunity be forded to Mr. isloids to respect that he has learned or his eastern tour, and to hear other members of the stadium consistes upon the plans they have in view.

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n lotion, the exents ammived the remort of the Crounds and uildings and adorated as the action of the Board all the recommendations contained in the remort as to action token by the Doard, Erecident accurates, a canta or also, Grecory, and, Tichhacker, Gostar, Sourney.

Mills, Jastro, and Wheeler, (10) voting aye, voting no, none; Regents
Britton and Mauzy having left.

The Secretary presented a letter from the Mayor of Berkeley, suggesting the possibility of cooperation between the Regents and the City for the establishment of a municipal automobile camping ground in connection with the Stadium. The Secretary was instructed to refer this to the Committee on Grounds and Buildings.

At the Grounds and Buildings Committee meeting held on June 29, 1921, the members of the Stadium Committee were called in and asked by the Chairman to report on progress. Professor Probert, Chairman of the Stadium Committee briefly outlined the activities of the Committee to date, particularly the trip of Messrs. Cline and Davies throughout the State for the purpose of organizing alumni for the campaign. Mr. Nighols reported on a trip which he made recently to the middle west for the purpose of studying the campaign plans of the University of Illinois and the Ohio State College, both of which have been very successful in similar projects to the one which the University of California is about to undertake. Mr. Nithols submitted a report on the organization, plans, and development of the Ohio Stadium Committee, discussed the situation, expressing confidence that the money necessary for the construction of the Stadium can be raised, but emphasizing the necessity of prompt submission of a clear and definite statement by the Stadium Committee to the Grounds and Buildings Committee setting forth the plan of organization, the type of structure, the plan of financing, and the proposed method of administration and control. The Stadium Committee expressed its willingness and ability to submit such a statement at an excly date, and on motion of Regent Fleishhacker, seconded by Regent Wheeler, it was voted that the Chairman of the Commatteen on Grounds and Buildings be authorized to cooperate with the Chairman of the Stadium Committee in formulating the plan referred to

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at the Grounds and Entiting or with error ting and on true U. 1911, the authors of the live Committee the a field in and asked by the intrin to remark on progress. Fofensor Probert, it isnes of the St dium on ithen wirfly outlined the activities of the committee to dit. or i al riving the trip of tree and Driven in Dout the state for the purcone of organizing the state for the oran isa. in. if hold recombed on a trim which he mad an entity to the middle must of the rarrors of sudying the ame in alan of the eniversity of Tipnis n the hio diat hollege, both of high how man very myers "" in minia memoiden to the which the weither of whiteernin in bout to undert k . " ithou subsitted . month of the "opisstion, of us, at tweloring of the direction, or to the mared the rith tion, organizering confidence that the new weens my inizianiges tud , baci, a ad an authorte of the actions and co the necessity of proper thanksian of a clar and definite atatement in the stadium Jor ittes to the fround and billiars formittee action forth the plan of or unixetion, tin tro of structure, the plan of finmaint, and the archosoned setted of education and control. The The surface of vilide one secondalli ati beaseagre cetting of muint a state and as are ly a te, no on otion of rogent is ishbacker, egond 2 by legent "heel r, it may yot a that the Chair a of the Conif there on Frounds of Weildings of application for some of the

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for consideration by the Committee at an early date, and that the Stadium Committee be asked to grant to the Chairman thereof full authority to act in its behalf in this connection. The Supervising Architect presented to members of the Committee his preliminary studies of the Stadium.

At the meeting of the Committee on Grounds and Buildings held on July 8, 1921, the Chairman reported on a conference which he had held with Dean Probert, Chairman of the Stadium Committee, and Mr. L. A. Nichols, Graduate Manager and Executive Secretary of the Stadium Committee, presenting for the information of the Committee the following letter which had been given him by Dean Probert:

Committee of the Regents, University of California, on Grounds and Buildings;

Gentlemen:

The Executive Committee on Stadium respectfully presents for your consideration the following progress report. The whole project is still in the formative stage and we easnestly seek your counsel and criticism.

Monception of Project.

Inability to provide tickets for about fifty percent of the applicants at the last "big game" and the over-increasing interest manis-manifested by the people of the State in intercollegiate athletic contests, has shown the inadequancy of present facilities of California Field. In October, 1920, the Executive Committee A.S.U.C. voted to investigate the possibilities of building a stadium and appointed a committee for the purpose. On the recommendation of President Barrows, an and executive committee on stadium has recently been approved and appointed by the Board of Regents of the University.

Control of Stadium.

The proposed stadium shall be considered as an integral part of the University of California, deeded on its completion to the Regents of

for consideration by the Committee of an early date, and that the Stadium Committee be asked to grant to the Shairman thereof full anthority to set in its orbalf in this connection. The Surervising architect presented to members of the Committee his prejiminary ctulier of the Stadium.

At the meeting of the Joinith on Grounds and Buildings had an July 3, 1901, the Chairman reported on a conference which he had a little bean Probert, Chairman of the Stading Constitutes, and in.... Italian, Or dunte Manager and Executive occretary of the Stading Consisten, presenting for the information of the Committee the following letter high had been given him by Osen Probert:

Committee of the regents, University of Jalifornia, on Front's and Buildings;

Bentlenen.

The executive Committee on Italium presentually presents for your courtientien the Colloring processe report. The whole end of it is the countive stage and so entities.

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In hility to provide tick to about fifty percent of the expelication at the last "his name" and the over-increasing interest xxxxx-nifested by the people of the state in internal ligiste athletic contests, has about the instequency of present facilities of balifornia field. In lather, 1920, the Erecutive Cormittee i.S.U.C. votal to investigate the mossibilities of building stadium and appointed a contite for the murpose. On the recommendation of Fresident Entrows, and itsee for the murpose on stadium has recently been approved and saroint ed by the Foard of Ledents of the University.

Control of Stadium.

The proposed stadium shall be considered as an integral part of

the University, as trustees of the State Institution, and subject at all times to their direction and control. The use and the administration of the stadium however will be given to the Associated Students of the University of California, as long as the rights and privileges are not abused, and the revenue derived from athletic contests or other student activities shall be credited to the A.S.U.C.

The students of the University, while fully realizing that the ultimate responsibility to the State and the public rests with the Board of Regents, are nevertheless desirous of sponsoring the campaign and carrying it through to a successful completion. It is their earnest desire that from the surplus profits, a certain percentage shall be regularly set aside each year and donated to the University for the improvement of the campus and additions of buildings which shall be of general benefit to university life, such as a gymnasium, recreation grounds, museum and dormitories.

Name

The name of the structure shall be the California Memorial Stadium, in order to perpetuate the memory of the 2400 alumni and students of the University and the countless others of the State who responded to the call during the crisis of the world war.

Utility.

The stadium will primarily be used for intercollegiate athletic contests in football and baseball, these being winter and spring term sports, respectively. It would not be possible to have both track and baseball in the same arena at the same time, hence the idea of including a track has been abandoned. The stadium will also serve for other university, municipal or state functions as occasion demands; such as stadent rallies, pageants, and maybe dramatics. Cognizance of these possibilities will be taken into consideration of design and type.

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the University, as imported of the State Institution, and salid of two at the salid of two all times to their direction and control. The use and the salid is self-time in the salid of the

in adulants of the University, while fully religion that the cultimate meets with the for ultimate meets with the for ultimate meets with the consulting to meets with the constraint of degrate. And new rivaless entrops of monioning the chair name of the constraint of the troad of the unplus religious full over the percentual of the troad the unplus religious of the inferential for the incommunity for the incommunity for the incommunity for the incommunity of the incommunity of the incommunity of the incommunity of the inferential of the inferential of the inferential of the order than the order than the order than the order than the order of the constitutions of the order of the constitute of the order of the constitute of the order of the constitute of the order of the order of the constitute of the order of the

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Contract with Stanford University.

Realizing that the bysiness success of the enterprise is conditioned largely by the continuance of athletic relations between California and Stanford, an agreement has been made and entered into between the Board of Athletic Control of the Leland Stanford, Jr. University calling and the A.S.U.C./for the building of a stadium of seating capacity 60,000 by each University, and assuring an annual intercollegiate football gane for a period of ten years, alternating each year at Palo Alto and Berkeley. The net proceeds from the sale of 60,000 tickets shall be divided equally between the two bodies, but when the game is played at Berkeley the revenue from seats in excess of 60,000 shall be given to the A.S.U.C. until such time as the land on which the stadium is built shall have been paid for, together with the cost of construction of such additional seats.

Site.

The Executive Committee, together with Dean Derleth of the College of Civil Engineering, and Mr. John Galen Howard, the University architect have investigated several possible sites on or near the campud, being guided in their search by the determining factors of adequate space, transportation facilities, ability to handle crowds, engineering features, cost, and respect to the imperative need of additional educational buildings incident to the rapid growth of the University. The committee is deeply appreciative of the desire of the Regents or other agency to provide a suitable site adjacent or in close proximity to the campus as will satisfy all of the essential features. It is hoped that an announcement of the selection of a site will be made in the near future.

Type of Structure.

Site and type are intimately related, but assuming a site will be available similar to California Field, we are of the opinion that

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igned largely by the confirmance of athletic relations between injiend on the service of athletic relations between injiend of meaning the confirmance of athletic relations between injiend of the confirmation of the Length of the Length of the confirmation of the Length of a stadium of arctic consoling on its confirmation of a stadium of arctic consoling the ball case for a residence of a mains of an arctic service of the confirmation of the confirmation.

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the stadium should be in the form of a closed ellipse, of the coliseum type, double decked. The overall dimensions would approximate 700 by 560 feet, bounded by retaining walls rather that by sloping embankments. The main axis must run north and south. As tentatively planned the structure is to be of steel and concrete. The height of walls depends largely on the possibilities of excavating below the surface while not interfering with natural drainage.

Under the lower deck, at opposite sides of the short axis of the oval, the training quarters, dressing rooms, offices and emergency rooms would be built for contesting teams. Adequate provision must be made for entrance and exit of large crowds, with dispatch. The Executive Committee desires the fullest utilization of the space below the lower tier of seats consistent with low cost and safety of the structure.

The success of the financial campaign will determine how far the plans can be carried toward completion, but herein the elasticity of the proposed design should be pointed out. The foundations can be laid so that they will carry booth upper and lower fiers of seats. The lower deck may be finished as a first unit and used, then as subscriptions or revenue permit, segments of the second tier can be built, first along one or both sides of the major axis, and added to until the balcony is completed. Engineering and ventilation difficulties will be minimized by the type of building, and following closely the general principles of design of modern theatres, but spectators will be in close range of the playing field. The upper section will be carried on hollow arches, which will add largely to the architectural beauty of the stadium.

The adaptability of the scheme to available funds is a particularly commendable feature.

On the basis of five square feet to the person the proposed

the stedium chould be in the form of a closed ellipse, of the coliseum term; double decked. The overall, dimensions could approximate 700 by 560 feet, bounded by retaining wells a ther that by sloping one benevias. The rain axis must run north and south. It tentatively planned the atmosture is to be of steel and concrete. The height of rails depends largely on the cossibilities of exceptating belos the aur-

Under the lower dead, at emposite sides of the above acide of the order to the order, or training an extern. Areasing sooms, offices and supermove rooms ould be built for contacting terms. Idequate experience made for entrance and exit of large areads, with listetch. The made utive Committee desires the full at utilization of the area to low the large of sects sonsistent with low cost in safety of the state.

The mines can be corried to and completion, but herein the closticity of the proposed design should be pointed out. The foundations can be laid so that they will a rry howth upper and loser biers of seath. The forest will a rry howth upper and loser biers of seath. The loser week may be finished as a first unit and used, then a subscriptions or new me permit, segments of the second tier can be built. First long one or both sides of the major axis, and added to until the built only is completed. The major axis, and added to until the built minimized by the type of builting, and following closely the constant or minimized by the type of builting, and following closely the constant or arms of the playing field. The upper section will be on an hollow armse, the high rill add largely to the architectural beauty of the stadium.

The edantability of the solvene to available funds is a particularly correspoble feature.

In the besis of five square fast to the memon the branched

plans would give a seating capacity of 70,000, 45,000 on the lower deck. It is possible without serious inconvenience or undue crowding 90,000 people could be comfortably cared for. Every seat holder would have an unobstructed view of the playing field although, of course, some seats would be preferable to others.

Cost.

As a rough estimate of cost, if the lower deck is first built, contemplating the later erection of the upper segments, \$15.00 a seat is a safe figure, while \$12.00 per seat may cover the cost if the plans are carried to completion without interruption. Approximately \$2,000,000 will be needed. This does not include the cost of land. Plans for Financing.

The Executive Committee feels that probably 70 percent of the money will have to be raised by public subscription. We do not anticipate contributions from State or University Funds, nor can we look with assurance on large individual gifts. The appeal of a memorial stadium may be far reaching. The enthusiasm of the student body will be altogether disproportionate to their monetary contributions, and it is feared that on account of the imperfections of the Alumni Association, it will be impossible to secure sums commensurate with the number of past students, The general public must build the stadium, and to insure success, something tangible must be offered to subscribers.

For \$100 a subscriber will be entitled to two reserved seats in the stadium at the "big game" for five years, at either Palo Alto or Berkeley, and for the succeeding five years will have first privilege of purchasing seats at current prices.

Special inducements are to be offered students.

Ex-state subscribers will not be restricted to the five year period, but will be permitted to occupy the seats on five occasions.

All money received shall be deposited by the Comptroller of

plan and into a sering enacity of 70,000, 45,000 on the lower deck. It is ossible inhout serious incorrenieses or undus a avaing 90,000 supple could be confortably cared for. In any seat holder vould have an unobstructed view of the playing field although, of course.

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meriod, but ill be mermitted to order the seats on five orderion.

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the University with the Board of Regents.

Organization.

The Regents have approved the appointment of a permanent executive committee of seven members, which committee has elected the following officers:-

Frank H. Probert, Chairman,

L. A. Nichols, Executive Secretary,

R. G. Sproul, Treasurer.

The Executive Committee will, in cooperation with the Regents of the University organize, plan, and direct, and be responsible for, the campaign for the building of the California Memorial Stadium.

The General Committee. 35 to 50 in number, of representative citizens of California, including the Governor of the State, the Regents of the University, and such other whose name will add dignity and force to the enterprose.

The Campaign Committee, a sub-committee of the executive committee, appointed with power to direct the campaign in the mabsence of the larger body:-

Frank H. Probert, Chairman,

L. A. Nichols, Executive Secretary,

R. G. Sproul,

C. H. Raymond, Publicity Manager.

Publicity. Mr. C. H. Raymond has been asked to take charge of all publicity subject to the approval of the Executive Committee, in connection with the stadium project. He was publicity manager of the Amendment 12 campaign.

Alumni Committee.

The alumni body is probably the weakest link in the organization. The Executive Committee feels that every effort should be made to reorganize the Alumni Association and to make of it through capable

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titizens of Jalifornia, including the Povernor of the State, the continuous of the State, the continuous of the State, and cush other hase name will do that the force to the enterprose.

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management, the influential, petent force it should be in all matters pertaining to University and State welfare. Ways and means readily suggest themselves to accomplish this end.

From the A.S.U.C. funds, temporarily loaned to the stadium \$2,000. has been set aside in order to complete a canvass of alumni and ex-students of California, to revive their interest in a loyalty to the University, and to make themselves an up-to-date directory for use in the campaign.

Stadent Committees.

Men and women students to be separately organized. Subcommittees to be appointed by their executive heads to canvass the State by districts or counties and to care for the proper advertising.

State or National Committees.

Plans have not yet been perfected for the organization of alumni outside of California, but a generous contribution is anticipated for this source.

Central Committees.

Each geographical unit or large community in the State will be separately organized and an executive committee appointed to direct the work in that particular section. Prominent alumni, city officials, friends of the University will be drafted into service. At all times these central committees will be in intimate touch with the Executive Committee. They will tie in with Chambers of Commerce, Rotary and Kiwanis Clubs, Ad Clubs, Booster campaigns and the like. The utmost care will be exercised in the selection of these important committees as on them rests the burden of securing the greater part of the needed money.

Field Emissaries.

The Executive Committee has sent Mr. J. W. Cline, Jr and Mr. Paul Davies into the field to test the pulse of the people of the

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From the A.S.U.S. funds, temporarily loaned to the stadish 2,000. has been set aside in order to non-late a nervess of them; and small note of the forming, to revive their interest in a low lay to a site state in to never the interest in a low lay to a still density. The to have on un-to-date linestony for nee in the country.

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State. They have already visited Sacramento, Stockton, Stanislaus County, Merced County, Madera County, Fresno, Kings County, Tulare County, Kern County, Los Angeles County, Riverside County, San Bernardino County, Imperial County and San Diego County, have interviewed the substantial men of the communities, solicited the interest of the leading newspapers, gathered the alumni together and organized central committees. According to report the project has been wholeheartedly received entiques assistically endorsed.

The Drive.

On the completion of the organization a drive for subscriptions will be made throughout the State. With interest aroused in our football team and the college term well under way, it is thought that September 15th will be the psychological time to strike. The drive will be of short duration, probably closing September 30th.

A synopsis of the work and plans of the Executive Committee would not be complete without reference to the recent trip of Mr. L. A. Nichols to the eastern states in the interest of the stadium. He visited Columbus, Ohio; Chicago and Champaign, Illinois; Lafayette, Indiana; Lawrence, Kansas, gathering invaluable data on the stadium capaigns of other universities. We feel that the item information thus made available will materially assist us in planning the details of organization and an effective drive.

In conclusion the Executive Committee wishes to express its appreciation of the interest shown by the Regents of the University in the project, and solicits the continuance of helpful guggestion.

Respectfully submitted,
(Signed) Frank H. Probert
for the Executive Committee on Stadium.

The Committee expressed its approval of the report and proceeded to a discussion of methods of financing the condemnation of the

Stat. They have already virited over the object, storic, storilly ounty, derend County, derended, frend, ingrounty, tiler County, Form County, Los angeles County, Riverside County, San Bernardino County, Imperial County and San Diero County, have interviewed the obstantial aim of the communities, addict dith into the leasting our samples, gethered the selection of the least in these. According to remore the mojections of an include of the received entering the received enterings and content the received enterings.

Photostate.

In the completion of the organization a drive for subsering ions will be underthroughout the State. With interest aroused in our football tear only the college term coll noter way, it is finable that the sent where 15th in he than a manological time to strike. The inversion, modebly closing and then the Stice.

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ernotinly submitted.

(Signer) Tran' I. Irobert

for the vegetive Committee on stadium.

on Committee expressed its approval of the most and mo-

Stadium site. The Chairman suggested that a number of banks in the bay region might advance the money necessary on the basis of the contract between Stanford and California, and an agreement by the Associated Students to set aside from their net earnings each year a certain amount for the amortization of the debt. Numerous difficulties in the way of such an agreement were advanced and the Chairman finally appointed Regents Fleishhacker and Bowles to make an investigation. He also requested the Attorney to advise the Committee if the Searles or any other endownment fund can be used by the Regents for such a purpose.

The Committee discussed also the size of the Stadium, expressing the opinion that it should be built for a maximum seating capacity of 60,000.

The above report was approved by the Regents at their meeting held on August 9, 1921.

At the meeting of the Grounds and Buildings Committee on July 25, 1921, the Secretary presented on tehalf of the Attorney the following letter with reference to the use of endowment funds for the purchase of a Stadium site.

July 21, 1921.

Mr. R. G. Sproul, Comptroller, University of California, Berkeley, California. Stadium site. The Chairman rurested that a number of bonis in the pry region mint revenue the money recessary on the basis of the sont tract between Stanford and California, and an agreement by the is ocited Gtudents to reteside from their net earnings each year a certain amount for the amortimation of the debt. Bushrous difficulties in the way of such an agreement were advanced and the Chairman finally arrointed as refreshed the analysis of the Jeishbarker and Bolles to make an investigation. He also the requested the attention of the Consisted if the searles or only other endowment fund can be used by the Tagents for such a surpose.

The Comittee disquaged also the size of the studium, expressing the opinion that it should be built for a maximum sesting creatity of 60,000.

The above renort was approved by the begents at their metilineld on august 7, 1981.

A letter was also presented this Committee on Grounds and Entletings on July 3, 1921, from Mayor Louis Bertlett of the Sity of Berkeley, participally supresting accommodate the Sity and the Escents by the location of the stadium near the Eunicipal Autonobile Saming Fround, which the Sity is establishing in West Sevieley. Such a location would take here of the roblem of automobile parking at the time of the Salifornia- Stanford rate. The Committee took the surrestion under consideration.

At the meeting of the frounds and Buildings Committee on July 25, 1921, the pearetary presented on pehalf of the Attorney the following letter with reference to the use of endowment funds for the randomse of a Stadium site.

July 21, 1921.

Mr. R. G. Sproul, Comptroller, University of California, Carkeley, California,

Hee of Endowment unds for Jurchase of Stadium site.

Dear Sir;

Your letter of the 14th instant makes inquiry as to whether the Sear les Fund, or any other endowment funds, may be used by the Regents as an advance to cover the cost of the proposed stadium site.

In the letter in which Mr. Searles tendered his gift to the University, he wrote:

" It is my desire that such gift shall be applied, in such manner as The Regents of the University shall deem proper, to the uses of such University, and I attack no condition to such gift, except that it shall be so applied."

The fund may, accordingly, be used for any use of the University that the Regents may deem proper, including, of course, the purchase of madditional property for the campus.

You will appreciate that it is not practicable to determine generally concerning possible uses of other endownment funds. So far as I am advised, the Regents have no fund sufficient for the purchase of the stadium property, for for its construction, which would be available.

It is of course possible that the Searles Fund, or a large amount thereof, might be invested in the stadium property or in its construction, and then that the campaign for funds might fall far short of an amount to reimburse the fund. If this exigency should occur, the Regents would find themselves in the position of having the fund entirely consumed without possibility of replacement. I would suggest that this metter be placed before the Finance Committee in connection with their consideration of this possible use of the Searles Fund.

Very truly yours,

(signed) J. M. Mannon, Jr.

STADIUM SITE .

The Committee discussed at length the site of the Stadium, the Chairman and Regent Bowles advancing the opinion that further study

our 3 thr of the late in tent ming in yim as to that the ser les way ho used by the seg mts as an advance to cover the cort of the proposed stadium site.

In the litter in which Tr. Derion tining ift to the Init maity, however:

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The fund may, accomingly, be used for any use of the University that that the accents usy deem manner, in fulling, of sourse, the purchase of addition I promerty for the conpus.

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It is of course mossible that the westles had, or a lorge smount thereof, with he invested in the stadium property or in its construction, and then the the commute for fundaminist fall for short of an amount to reightness the fundament of this eric new chould occur, the weight would find themselves in the mosition of heving the fundamentarily concurred sithout nos inditty of replacement. I ould rug out that this matter he placed before the lineace Committee in connection ith their consider tion of this mossible are of the service and.

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einer) T. anon, Jr.

The sommittee discussed at longth the site of the studium, the sharp and the study that further study

should be given the relative medesirability of locations on and off the campus, the campaign meanwhile proceeding with only a general reference to the site to be obtained. Mr. Nichols and President Barrows spoke in favor of the site under consideration, but both stated no objection to a further review of the problem. On motion duly made and seconded, it was voted that the Chairman be authorized to select an Advisory Committee outside of the Grounds and Buildings Committee and the Stadium Committee to study the whole problem of the Stadium and report to the Grounds and Buildings Committee at an early date. STADIUM.

At the committee meeting of the Grounds and Buildings Committee on August 10, 1921, the chairman opened the meeting by stating that he has appointed a Special Committee on Stadium in accordance with instructions at the last meeting, consisting of President David R. Barrows, Chairman, Benjamin Ide Wheeler, Wigginton E. Creed, Chaffee E. Hall, and Duncan McDuffie, and had asked that this Committee hold a preliminary meeting with the Grounds and Buildings Committee. He then outlined to the Special Committee the purpose for which it had been constituted, namely, the further consideration of the site and construction of the University Stadium concerning which there has been considerable doubt in the minds of the members of the Grounds and Buildings Committee and other Regents. At the request of the Chairman, Dean Probert placed before the Special Committee the view point of the Stadium Executive Committee, stating that this Committee had given full consideration to a great number of sites both on and off the campus and had finally come to the conclusion that the property between Fulton and Clapel Streets, Allston Way and Bancroft Way would be the most desirable site from every point of view. He strongly urged that the Regents reaffirm their acyion approving the selection of this site. After the statement, the Special Committee voted to adjourn to meet on Saturday, August 13, 1921 at 8 A.M. in the office of the President Barrows

mould be sired that a letive at desimability of locations on and off the commus, the committee of hits are seeding with only a general and anoted to the site to be obtained. In dishols and largifunt to the area as are in fewor of the tast to add a consideration, but both at to a confiction to a further rayin of the amoble of the location for another and the source of the foother than the arrivation of the fee outside of the front of the about of the state of the select and free outside of the front of the atomic of the state of the

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at Berkeley.

At the Grounds and Buildings Committee meeting on September 7, 1921, President Barrows presented on behalf of the Special Committee on Stadium site, the following report:

To the Grounds and Buildings Committee of the Board of Regents.

Gentlemen :

Your advisory committee upon the location of the stadium has had six meetings following the conference with the Grounds and Buildings Committee on August the sixteenth, has investigated every proposed site in Berkeley, and carefully considered the problems involved. The sites considered have been:

- (a) Those on the Berkeley campus the dairy ranch, strawberry canyon, the nursery grounds at the mouth of Strawberry canyon, California Field, the northwest corner of the campus, the northeast corner of the campus, including four city clocks, immediately north of Founders! Rock, and the site at the southwest corner of the campus between Allston Way and Bancroft Way.
 - (b) Off the campus. The George Schmidt Tract on Sacramento Street, a mile and a half from the University, where the city is acquiring an automobile park, which site was recommended to our attention by the Mayor of Berkeley; and the Havens Tract, about three-quarters of a mile southwest of the campus and west of Shattuck Avenue.

Considering these extra-campus sites first, your committee is of the opinion that that owned by George Schmidt has the advantageof economy of purchase, practicability from a construction standpoint, and adequate size without closing streets, and accessibility to
lines of communications. Your committee, however, is prepared to recommend against a site at a distance from the campus on the following
grounds; such a site would be limited in use to the one or few compet-

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1921, Erssident Barrows presented on behalf of the Special Jornittee on Stedium site, the fallowing report:

To the rounds and Buildings lommittes of the Board of Lecentr.

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Your saviency consists used the location of the stadium has had air meetings follo ing the conference with the Trounds on Institute the circumstanced on in ust the simteesth, has invested on in promoned it in heart ley, and prefully considered the mobil me involved. The cites considered have been:

- (a) Hose on the Borbell v segment the integrated at the court, of strayborry segment, the nursemy grounds at the court of strayborry segment, including four of the cause, the northwest cores of the cause, including four city clocks, immediately north of founders! Each the site at the continuous core of the cause of the site of the continuous hat can illated if y and concept ing.
- (b) off the campus. the hoorge schmidt in ct on dach with offert, a mile in a half from the University, where the sity is a neutring an automobile park, high site was recommended to our thention by the force of serveley; and the swint irret, bout has equantized in mile southwest of the sample and rest of these fixers.

Considering here entresymme sites first, when so mitated is of the opinion that that o med by George webmit has the adventage of the opinion of murches, material bility from a construction stendenoint, and adamstering without aloring atmeta, and accessibility to lines of communications. Your committee, however, is prepared to machines of rowning at a site at a site of a sit

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itive games of the year where a grain great crowd seeks admission. It would serve no other university purpose, either as a training field, a rally field, or for pagents, exhibitions, and other large gatherings of our academic community and friends. To us a proper structure for these great gatherings seems desirable. The student body now fully fills the Greek Tagatre. At the main rallies of the year the f amilies and friends of the students cannot be admitted. We believe it desirable that they should be.

If the stadium is built either on the Schmidt Tract or the Havens Tract, it will still necessitate our providing a training field with considerable bleanher area on the present campus. Our policy is to encourage as large a number of students as possible to compete in the initial training of the season. The football squad this year numbers over 300 getting daily practice and sport on California Field. This number is gradually reduced as competitors are eliminated and the Varsity Squad approaches the end of the training and the big game. It is desirable to have a very large number of students participate in and witness the initial/training of the season. This can only take place on the campus of the University. Even a small squad probably could not be carried a mile from the campus for its daily practice; and even if this were done, the student company who watch this training from the bleachers, and who find in this afternoon meeting one of the most valuab.e of social opportunities among themselves, would be lost.

We are also impressed with the necessity of freeing Califoria Field for academic purpose and for buildings which will constitute future units of academic construction.

The third reason lies in the spiritual values of having the competition games on the campus. On the whole we believe that the advantages of having competitive sports campus activities rather than

itive games of the year where a xximo resut eroad scale ashierion. It sould serve no other university serve, ither as a training fiels, a rally field, or for regents, exhibition, and other large gatherings of our aced mic normanity and fainds. O us a recomm attracture for the great gatherings count desimble. The student body no. Sully fills the Greek Interest the min million of the year the failure and friends of the year the failure it is students cannot be admitted. We heliove it is simble that they should be.

If the reclim is built ither on the Johnit + wet or the Year trict, it till redearit to our roviding o raining fire ith considerable bleacher area on the repart comput. Our noliny in to measure as ligger a number of students as possible to compet in the initial training of the sasson. The Costo all am a time year nonbers awar 500 atting dily arectice of moont on Jiffami in it. This number is are mally refuced as compatitors are climin tod and the Varsit squad angronohos the end of the training and the big game to in the initial of atual the terminal and atual attained in the initial of atual attained in the initial attaine on itnoes the initial training of the sesson. This can only take -lace on the course of the University. The a coll aquad probably engli not be gerried a mile from the a mus for its deily amortion; -mient sint dater our varante attachte and en a sidt of may and ing from the blanchers, and ho find in this oft moon menting one of the most value of aggial constinuities emong themselves, ould be . JEC-

i listed of academic numbers and for huildings which will constitute

The third reason lies in the smiritual values of having the commodition tenes on the campus. On the whole we helieve that the name of the the the name of having commotitive aports campus of inities rather than

extra-campus activities prevail over the disadvantages. The other element is that competitive games are the occasions when the alumni come back in great numbers, and it is believed to be the interest of the University to have them see the campus and its academic development and renew their interest and allegiances in the institution at these times. The student body will suffer keen disappointment if the stadium is not adjacent to the campus, and it seems doubtful whether the project will be satisfactorily conducted with the affliction of spirit among the students which would follow another location.

So your committee, after extended deliveration upon this point, recommends infavor of a site afjacent to the campus. Of such possible sites, the upper Strawberry Canyon site (dairy farm) was rejected on the advise of Professor Derleth and Professor Probert, who together with Professor Louderback stated that the loose composition of the rock underlying this little valley and the great shifting which it has undergone make it unwise and impracticable for a great and heavy structure. Other difficulties of this site are its inaccessibility and the expense which would be involved in connecting it by railroad track with the main lines.

The nursery site at the mouth of Strawberry canyon is also impracticable because it is much too small in size, and is visible from the surrounding hills. It might further block the University development of Strawberry canyon, a direction which our buildings for student housing may take. The northwest corner of the campus, the military memorial field, was also eliminated for reasons which have led the Regents to the same decision. The site north of Founders' Rock, embracing several blocks of city property was rejected on the advise of the University Architect as involving too great an expense and injury to the Hearst plans for building development. Transportation difficulties seem great. The opinion of the architect was that it would

rips-samps notivities now illowerth likely mateges. I other I asent is that some titive genes are the occasions then the lumbine book in great numbers, and it is believed to be the interest of the University to have them see the compas and its academic development and I newtheir interest and alleri near in the institution of these times. The student body ill ruffer form is amointment if the atadimation of the contrast and it some includeful whether the positive is not adjustent to the contrast in the accordance is not adjustent to the contrast it the accordance is not adjustent to the contrast in the accordance in the accordance is not adjustent to the contrast and it some forbidity and the accordance and t

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The number of the month of the wherry convents from the surrounding hills. It wisht further block the University develors the surrounding hills. It wisht further block the University develors the surrounding hills. It wisht further block the University develors housing may take. The northwest corner of the campus, the military memorial field, was also limin ted for reasons which have let the liegents to the same decision. The site north of houndard once the liegents to the same decision. The site north of houndard once of the University inchitact as involving too great an excesse and infinity to the Hearst alans for building development. In accordation iffered the liegent, the first of the accordance of the architect was that it would,

seriously impair the appearance of the architectural group. California Field is undesirable because of its inadequate size, its prejudice to the academic development of the University and its possible prejudice to the architectural scheme.

The committee therefore comes to the conclusion that if a stadium should be constructed it should be built upon the property at the southwest corner of the campus lying between Allston Way and Bancroft Way. The committee recommends that at least the three blocks between Chapel and Fulton Streets be secured in order that there may be enough space between the proposed structures and privately owned property to protect the latter against loss, and that for the same reason, the stadium be placed at least 40 feet from the north side of Bancroft Way. The committee, in fact, is of the opinion that all property from Fulton Stree t east to Dana Street should be acquired by the University except that part which is owned by the Young Men's Christian Associateon. This recommendation is made not only because of the serviceability of this property to the University, but because of the possible affects of the Stadium upon the values of surrounding property. On this point Mr. McDuffie was the only member of the committee who was qualified to judge. He expressed the view that property between Fulton Street and Shattuck Avenue would not be injured in value by the building of the Stadium, but would eventually have its value enhanced due to the fact that the placing of the stadium here would immediately determine the limits of the business area to the east of Shattuck Avenue at this point, and the business property here situated would receive a rise in valuation. Mr. McDuffie's feeling also was that property here on the south side of Bancroft Way would, if it suffered at all, suffer only temporarily, and that its final value would be enhanced owing to the extension of the southern boundary of the campus to Bancroft Way. The property on Chapel Street and Dana Street, would, in Mr. McDuffie's opinion, be seriously injured as resiseriourly impoint the constant of the archit ctural group. Unlifornia ild is undesirable because of the instanuate mize, its mestalise to the acedemic development of the iniversity and its notable unafields to exchange acheme.

The committee therefore comes to the conclusion that if a stading should be constructed it would be built uson the recoverty at the outhwest course of the campur lying befores all time of the outhwest ev. The committee ricomposis that at least the three blocks between Then I no sulton otherets he secured in ord a thet there may be an unth since between the promosed structures and privately outdamoperty to protect the latter against loss, and that for the a me reason, the stadium b mlaced at least 10 feet from the north side of Langroff . v. Tie committee, in feet, is of the orinion that all property from another strest to Das Strot tahnula be negliged by the shiverety over t that ort inion is omed by the voung dan's Orgistian association. Pin recommendation is made not only because of the serviceshilltr of this property to the mire writy, but because of the monsible effects of the stadium unon the v luca of meronading proparty. In this roint ... lalufis was the only member of the committee ho as malified to indica-- cremessed the view that amounts between sulton attract an listuage a mue would not be injured in value by the building of the stadium, but vould eventually have its value enhanced has to the fact that the placing of the stedium here would immediately determine the limits of the imainess area to the east of abottuck wenue at this point, and the mainess aronerty hore situated sould receive a mise in valuation. Tr. e ufficia feeling also was that property here on the south side of senoroft isy would, if it suffored at all, ruffer only terroramily, and that its final value rould be enhanced o ing to the art maion of the southern boundary the thate le en no Aquedoin of "Ne todone of shime he of

Street, would, in it. In which a minion, he semiously injured as reci-

dential property by the building of the stadium and he felt that the University should acquire it along with property to the west. This property, it may be stated might prove very serviceable to the University for the construction of Men's dormitories. The stadium could probably be so located that a line of men's dormitories could be built on both sides of Chapel Street as well as on the west side of Dana Street. south of Stiles Hall. The committee is of the opinion that estimates for the acquisation of this block of property, even that much of it which requisite for the building of the stadium are too low, and that it might cost as much as a half million dollars to acquire the property that is essential. The Committee does not understand that it was invited to express opinion or share responsibility for the financial aspects of this enterprise. Consultations with the architect in the course of the meetings of the committee have developed the fact that the size of the stadium can be somewhat reduced. The present figures give it a length of 728 feet and a width of 530 feet; a height on the east side of 66 feet, and on the west side of 91 feet.

Respectfully/submitted,

The Committee on Grounds and Buildings voted to accept the report and to recommend that the two blocks between the east line of Atherton Street and the west line of Chapel Street, the south line of Allston Way and the restant line of Example Street, the south line of Street Baberoft Way, be secured by the Regents for the erection of a stadium provided the streets within this area can be closed and all other rights secured which are necessary to make the site available.

The above report and recommendations were approved by the Board of Regents at their meeting on September 13, 1921.

At the Finance Committee meeting of September 13, 1921, Regent Britton, on behalf of the Grounds and Buildings Committee, stated that a site for the Stadium between Chapel and Atherton Streets, Bar croft

ntiel me enty by the building of the redium al he filt that the raity raity or your it close with emorety to the end. promenty, it may be stated wirk prove very serviceable to the univernity for the construction of I wis locationies. The etadius rould monhably be so located that a line of a na low itories rould be built or both rider of the rel street as sall as on the sort side of sens street, outh of utiles Hall. The counittee is of the origion that attactes for the cominition of this block of monety, which were of it this reminist for the building of the st dian are too lov. I that it ight sort as much as a half million Hollera to acquire the representathe tir secontial. The Consistes for not underriand that to rea invit d to compress ordaion or share reason idility 'or the cir not p dt ni to tiron ad' die noot timeol sommeter bit' o eto es course of the restings of the comitte is verious the first the the size of the stadium can be conewhat reduced. The margent figures ive it a conth of 720 feet and a midth of 530 feet; a limit by on the east side of 55 feet, and on the cost side of 91 feet.

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report of the committee on ironner and mildings noted to accept the report and to recommend that the two blocks between the east lin of laborton street and the rest line of its pel street, the south line of wart north line of its wart north line of its warrest and the section of a stadium provide that are sente for the exection of a stadium provide that threets within this area can be closed and all other rights cured being area can be closed and all other rights cured being area can be closed and all other rights.

The above rement and redominations are amproved by the

It the finance formittee meeting of sentember 15, 1971, Accent tritton, on behalf of the Grounds and Luilians formittee, stated that a cite for the fedium between Themel and Atherten Streets, In anoth

and Allston Ways, in the City of Berkeley, had been agreed upon and that some method must be adopted for financing the cost of the land, which will be approximately \$350,000. After considerable discussion, it was voted that the Chairman of the Board should request a group of bankers to attend the next meeting, with a view to developing a method of underwriting this amount of money.

Following the Grounds and Buildings Committee recommendation the adoption of the following resolution with reference to the acquisition of property for the use as a site for the Memorial Stadium was made and passed.

WHEREAS, the grounds of the University of California have become, and now are, inadequate for the proper requirements of the said University;

NOW, THEREFORE, BE IT RESOLVED, by The Regents of the University of California that public interest and hecessity require that all that real property situate between the west line of Chapel Street and the east line of Atherton Street and between the north line of Bancroft Way and the south line of Allston Way inwithe City of Berkeley, County of Alameda, State of California, and the fee simple thereof, be acquired for the use of said The University of California as a part of the public grounds thereof; and

BE IT FURTHER RESOLVED, that The Regents of the University of California acquire said real property and the fee simple thereof for the use of said The University of California as a part of the public grounds thereof, by proceedings in eminent domain, in accordance with the provisions of Title VII, Part **EEEEE* III of the Code of Civil Procedure of the State of California; and

RE IT FURTHER RESOLVED, that the attorney for said The Regents of the University of California be and he is hereby authorized, empowered and directed to institute and prosecute to completion pro-

and Allston Mays, in the Jity of Berkeley, had been greed brown and that some method must be adonted for financing the next of the land, which till be approximately 350,000. After considerable linewasion, it was voted that the Unairman of the Leard should request a group of brillers to attend the next meeting, with a view to develoring a rinor of underwriting this amount of money.

Wollowing the Grounds and willings low itter recomments on the clotton of the following resolution with refer ness to the gui-sition of property for the use as a rite for the Memorial of dign and the sased.

That, the grounds of the Univ raity of Jalifornia Tave bracomes and now are, inadequate for the proper requirements of the city:

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B IT WINTER ASSULVED, that The Ingents of the University of Tifornia acquire asis real property and the fee simple thereof for the une of said The University of California as a part of the sublic rounds thereof, by proceedings in eminant dorsin, in accordance with the provisions of Title VII. Part XXXX III of the Code of Civil Procedure of the State of California; and

FIRTHER MISSLVID, that the attorney for said The magents of the University of California be and he is hareby uthorized, empowered and directed to institute and prosecute to completion pro-

ceedings under Title VII, Part LII of the Code of Civil Procedure of the State of California to condemn the said real property and every part thereof, and the fee simple thereof, for the public use mereinabove set forth.

And we further recommend that the matter of financing the above project, and the details thereof, be referred to the Grounds and Buildings Committee and the Finance Committee with power to act.

The above are the minutes of the joint meeting of the Finance Committee and the Grounds and Buildings Committee of September 20, 1921.

PLAN OF FINANCING SITE FOR STADIUM:

The Chairman stated that a number of gentlemen representing banks in San Francisco and Okaland, had been requested to attend the meeting for the purpose of considering with the Regents' Committees on Finance and Grounds and Buildings plans for financing the acquisition of land contiguous to the campus, necessary as a site for the proposed California Memorial Stadium. He informed the Committees and the bankers present that the Regents desire to have a group of banks underwrite the cost of this land, which will be approximately \$350,000 accepting as security for such underwriting subscriptions being secured on a basis of \$10.00 cash, \$10.00 per year while in the University, and the balance within two years after permanent withdrawal from the University. On the basis of this plan, the following banks, either by their representatives present or through messages, expressed a willingness to engage in the underwriting :- Crocker National Bank, Anglo & London Paris National Bank, Anglo- California Trust Company, Wells Farko Nevada National Bank, Central Bank of Oakland, First National Bank of San Francisco, Union Trust Company of San Francisco, and the American National Bank of San Francisco.

The Chairman expressed the gratitude of the Regents for this splendid action on the part of the banking representatives and instructed

substinct under Titl VI. I of the local of Sivil Procedure of the attention of Colifornia to cond un the air wall control of the confidence of and the for simple thereof, for the public was hereinabore of forth.

And se further recommend that it is not incoming the coordinate, in the desirable thereof, he seek read to the desirable in the founds we think the desirable of the orest of

The above are the rightes of the isint acting of the in ma Socitted and the Prounds of Luillines Som itted of Lore above 10, 1211.

The Chairman at ted that a marker of any lemma representing has in an immorison and in land, he have mely ted to attend the to becatiful. 1 the or su, dair win birthe to b dame the acception no drounds in Jimme of it for it noting the senior tion of 1 n continuous to the commune, personner is a rite to the mounted ornie Lementi I obadium. To informed the Committees and the britannil C researt that the derents a sign to have a round of her white the cont of this land, thich ill b comes intoly 350,000 secenting on rouri'y for such unlarariting subscriptions being scoured on a boric of 10.00 cosh, 10.00 grayer hil in the 'niv. reity, and the harnce rithin to years after norman, nt with r wal from the University. n +h h sis ofthis plan, the tollosing holes, sither by their marrosept tives measent or through renerges, reversed a illinguess to ne roleo of; an the underwitting := Inorter ational sant, andlo on on Tari . rtional Jank, .mglo- Jalifornia Trust Comnany, Jolla arko "oveds lational I n't, lentral lank or Dakinal, 'irat ational ank o' osn maneisco, Thion Irast Company of an maneisco, and the Amarican tional Bank of San Trancisco.

The Cheirman expressed the greatitude of the seconds for this action on the part of the benefing rease attitude of the formstar

the Comptroller to have the Attorney prepare a form of underwriting and also a statement as to the power of the Regents to guarantee an obligation such as that contemplated in connection with the Stadium.

CONDEMNATION SUITS FOR STADIUM SITE.

The Comptroller informed the Committee that the Attorney had prepared to file condemnation suits for the property necessary for the Stadium site and that it would become necessary in the very near future to negotiate with a number of owners concerning purchase. He asked authority from the Committee to appoint one or more appraisers to arrive at a fair valuation for the land to be used as a basis of negotiations. The Committee voted to grant the necessary authority.

The above two reports were approved by the Regents at their meeting on October 11, 1921 and by the Finance Committee on September 29, 1921.

At the Finance Committee meeting on Septemberx29, 1921, the Comptroller presented on behalf of the Stadium Executive Committee a form of student subscription on which he stated it was desired to have the approval of the Regents. The Committee voted to refer approval of the subscription form to the Attorney with power to act.

Ptitchase of Stadium Site.

At the Finance Committee meeting held on October 4, 1921, the Secretary advised the Committee that he had been in conference with Mr. Charles Brock regarding the obtaining of his services as a negotiator in procuring the Stadium site property. He advised that Mr. Brock would assume these duties either upon a commission basis or upon a flat charge of \$7500. It was the sense of the Committee that Mr. Brock's services should be obtained upon the latter basis and that he should be instructed to proceed with the work immediately. The Secretary further advised the Committee that subscriptions from students were coming in very slowly and that he greatly feared a sufficient number would not be

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The Committee of the Longithe that the store of of the construction of the state to the construction for the attention of the tit could become new terms in the or and e or tothe to a copie to the content of carriers of carriers of or suite, and the term in the term of the continue of the money has brighted by whether -to, or a pick of a transform for the land to be used a first refer to contain i fiann. " - ornitter wot a to erant the near anthonity.

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obtained to provide the amount of collateral agreed to be supplied the banks who are to loan the money to purchase the site. The Committee instructed him to proceed with the acquirement of the property nothwithstanding this fact.

At the meeting of the Grounds and Buildings Committee on October 10, 1921, the President reported that the City of Berkeley had appointed Mr. Carol Aronovici to act as Planning Consultant with the Regents on the problems arising out of the construction of the Stadium. The Committee voted to ask Mayor Bartlett of Berkeley and Mr. Aronovici to meet with them on some date after Wednesday, October 19, preferably October 20, 1921.

At the Finance Committee meeting of October 11, 1921, the Secretary reported that some difficulty had been experienced in the sale of Stadium subscriptions; because many of the younger alumni who expressed defire to make subscriptions, are not in a financial state to permit a cash payment. It was therefore voted to recommend to the Regents that in connection with the sale of Stadium subscriptions, the Regents endorse notes given to various banks by the alumni on a partial payment plan, the Associated Students agreeing to deposit all funds received in this manner in a separate account not to be drawn upon until all the liabilities of the Regents in connection with the endorsements of the notes have been met. The above recommendation was approved by the Regents at their meeting of October 11, 1921.

At the meeting of the Regents held on October 11, 1921, President Barrows reported the receipt of the following comminication:

" Berkeley, California September 19, 1921.

My dear President Barrows :

As President of the University of California will you please advise the Board of Regents that at a mass meeting of the Associated Students, University of California, held on Friday, September 16, by

obtaine to provide the amount of mollature agreed to the supplied the banks of the loan that anney to annel as the aite. The Consisted instructed him to proceed with the acreirount of the property noth ither trading this feet.

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it the mesting of the degents had no oftober 11, 1921, resident terms of the following comminisation:-

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In Irresident of the University of California vill you please advise the Board of Legents that at a mass meeting of the Associated Students, University of California, held on Friday, Captember 15, by

unanimous vote and with unprecedented enthusiasm, the students endorsed the California Memorial Stadium project and voted to assume all obligations in xxx connection with the acquisition of site and the construction of the Stadium.

The liberal plan of deferred payments and full privileges, whereby students can become subscribers, was most favorably received.

On behalf of the Associated Students, University of California, I am asked to express to you and the Board of Regents grateful appreciation of your unfailing interest in all that pertains to the life and welfare of the student organization.

Sincerely yours,

(Signed) Frank H. Probert
Chairman, Executive Committee, Stadium.

President David P. Barrows, California Hall.

At the Finance Committee meeting on October 18, 1921, the Comptroller reported upon the progress of Mr. Charles Brock in his negotiations for the purchase of the Stadium site. He advised the Committee that Mr. Brock thought the amount necessary to purchase the property would run to approximately \$600,000 and possibly more. After extended discussion, relative to the best method of proceeding in these negotiatings, the Committee in instructed the Comptroller to procure the services of Mr. Frank J. Woodward and Mr. Mason McDuffie and other prominent real estate men in the appraisement of the property involved.

At the meeting of the Committee on Grounds and Buildings on Owtober 24, 1921, the Mayor of the City of Berkeley presented plans looking toward the closing of Ellsworth Street within the Stadium site and to the diversion of Allston Way through the present campus. The plans also provide for the rounding of the corner of Bancroft Way and College Avenue so as to prevent a dangerous turn at that point: This

unanthous vote and with un reced ated cotherism, the students and orased the valifornia former 1 Stadium project and voted to assume all oblications in respection with the acquisition of site and the construction of the stadium.

The liberal plan of deferred regreents and full emivil ger, whereby students can been a rubscribers, was rost fiver, bly received.

On behalf of the wasonisted students, university of deliferain, I am asked to express to our and the loars of Armits grateful about -

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work involves the moving of part of one of the tennis courts and the committee expressed its approval of this part of the Mayor's plans, provided the expense of moving the tennis court does not prove to be excessive. Mr. Howard was instructed to prepare an estimate of the expense involved.

The plans also include a proposal to widen Oxford Street by thirty feet from Hears; Avenue to Allston Way and the routing of the Oakland Traction Company cars around Fulton Street rather than on Dana and Allston Way as at present. After an extended discussion, the Committee expressed itself as sympathic with the desire of the city to widen Oxford Street and stated to the Mayor that they would recommend to the Finance Committee that it consider the various possibilities of accomplishing this object. The Mayor advised the Committee that he and the Council were ready and willing to close Ellsworth Street and to divert Allston Way in accordance with the desires of the Regents. Mr. Howard was instructed to prepare a study of the western end of the campus with a view to estimating the effects upon the University in case a portion of the campus should be devoted to the purpose of widening Oxford Street.

At the meeting of the Finance Committee on October 25, 1921, the Comptroller read the offers of various banks respecting the interest that they would pay upon the Stadium Funds deposited with them. These offers ranged from three to four per cent. It was the sense of the Committee that the money should be distributed among the various banks in fair proportions regardless of the rate of interest offered.

At the meeting of the Finance Committee on November 1, 1921. the Comptroller reported to the Committee that he had received a protest from the Berkeley Real Estate Exchange in which objection was taken to the employment by the Regents of Mr. Charles Brock as negotiator in the acquirement of the Stadium site. It was the sense of the Committee

row involves the moving of one of th finis court of the court of the point of the property of this mant of the property of the finis court fost of the error to be excessive. It is instructed to promise or the excessive. It is a instructed to promise or the excessive.

The class is also include a processed to rilead in jord at the chirty feet from ileast, where to Allaton lay and the routing of the captural insection for may entered culture at the capture that on lay as at amongst. If the an entered a incussion, the continuous lay the expressed item? I are noted it the the capture of the capture and item? I are noted to the continuous that the round areas in the circumstance of the capture and the theology of the capture and the continuous of the capture that a little of the capture is a the continuous and the capture in the capture of the capture is a study of the desirn of the capture in a study of the success of the capture in a continuous about the devotes when the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the devotes to the purpose of the capture about the capture of the capture about the devotes to the capture of the capture about the devotes to the capture of the captur

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the Comptroller reported to the Committee that he had massive once the from the Cepicalry Leal estate mehange in this objection was taken to the capabound by the levents of Mr. Therefore the construction of the Schium site. It was the cense of the Consister

at is meeting of the dinner Cornittee on overbor 1, 101.

that the Regents could not now withdraw from their arrangement with Mr. Brock but that the Comptroller should confer with the Real Estate Board and secure the services of their appraisal Committee as an assistance to Mr. Brock. The Comptroller was instructed to report further upon the outcome of his conference with the Board.

At the joint meeting of the Grounds and Buildings Committee and the Finance Committee held on November 8, 1921, Mayor Bartlett of Berkeley presented to the Committees the City of Berkeley's plans for widening Oxford Street and for the carrying of street car traffic from the south to the north side of the campus without transfer. He stated that it was the desire of the City to increase the width of Oxford Street to ninety feet from Hearst Avenue to Durant Avenue and requested the University to give thirty feet of its property on the east or west side of the street for this purpose. Mr. Britton stated that at a previous meeting with the Mayor, the Grounds and Buildings Committee had expressed itself as sympathetic with the City's plans but that as the property held by the University on the west side of Oxford Street was off the campus, that Committee had had no power to act. After an extended discussion and an examination of maps covering the situation, it was voted to recommend to the Regents that a revocable license be granted to the City of Berkeley for the use of twenty feet along the entire west end of the campus at Berkeley, the same to be devoted to widening of Oxford Street, subject to such conditions as the Grounds and Buildings Committee and the Finanve Committee may make.

The above recommendation was approved by The Regents at their meeting of November 3, 1921.

At the same joint meeting, the Comptroller reported that he had conferred with the Berkeley Real Estate Exchange with respect to its protest against the employment of Mr. Charles Brock by the Regents as negotiator for the purchase of the Stadium sitem and had made an

that the her ntreeved not now sithdraw from their errange out with its . The object that the somethell reduction of the securities of their appraisal Cormittees an entirted on securities of their appraisal Cormittees and entirted to the securities of the securitie

st the joint merting of the seconds of Buildings Jourittee and the dimines sommittee held on overbord, 1901. If you legit of emkelsy premented to the somitting the Sity of Bom leyin plane for idening unford Street and for the e-riving of street or traffic from the south to the north side of the comes without to maker. "o stated that it as the desire of the City to increase the sidth of me the only a quinting of others quintil thou goes Afteria of teater page. mested the 'mivoroity to dive thirty feet of its morenty on the sent or wort side of the street, for this marroce. The ritton the tell that st a no rious menting with the Magor, the Grounds at villing orani.the inglemmes and itself as symmethetic with the Ditwin along that the es the more some hold by the Thive points on the went vile of arrows High tas off the ormins, int horittee had he de cover to act. The on est uded licenshing and an extinction of maps covering the timetion it, was word to ween and to the agreets that a merosoble livense be and another to the of the of the off and all and wolf and the of the of the of ontire west and of the commit at "apriliey, the same to be a voted to ridering of writing threet, rubject to such conditions as the "popular and millings Jounittee and the Manage Consisted new news.

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It the same inite monting, the Comptroller renorted that he had nonformed ith the Berkeley Real Estate Trahaure with respect to its numbers are instable and other compounds of the Charles Trans by the Least of the conformed of the Stadium sites and had made on

arrangement with the Exchange whereby the protest would be withdrawn and the services of its Appraisement Committee secured without charge.

The Comptroller reported that Mr. Brock estimated that the total net cost of the land for the new Stadium would amount to about \$600,000, or \$240,000 in excess of the amount represented by the aggregate of the student subscriptions to date. He stated that the Executive Committee of the Stadium felt that it should not undertake to raise more than \$360,000 and that there was, therefore, needs to secure a plan for the financing of the additional \$200,000 to \$240,000. After an extended discussion, the Committee voted to recommend to the Regents that \$200,000, or such portion thereof as may be necessary, be devoted from the Searles Fund to the purchase of the Stadium site, the same to bear interest, and to be returned to the Regents by the Student Bedy as rapidly as the income from the Stadium shall permit.

The above recommendation was approved by the Regents at their meeting of November 8, 1921.

At the same meeting, after discussion by the Regents respecting the financial arrangements in connection with the erection of the
Stadium, the Chairman was instructed to appoint a committee of three
from the Finance Committee, including the Chairman of that Committee, to
confer with a similar number from the A.S.U.C. Executive Committee with
respect to the manner of handling the moneys and obligations connected
with the enterprise.

At the meeting of the Grounds and Buildings Committee on December 19, 1921, Dean Probert appeared on behalf of the California Memorial Stadium Executive Committee to request that the Architect be authorized to proceed immediately with plans and specifications for a reinforced concrete stadium, capable of seating 60,000 persons, with an area of five square feet for each person, at a cost not to exceed \$900,000. The Committee voted to grant this request. This action was approved by

rr n ement with the rehang the protest ould be withdrawn nd the rervices of it Appraises at Jormittee secured without charge.

The Comptroller reported that Mr. Brock estimated that the total net cost of the land for the new Stedium would amount to about \$600,000, or 240,000 in excess of the amount raresented by the aggregate of the atudent subscriptions to date. He toted that the Executive Committee of the Stadium filt that it should not undertake to rise one than 350,000 and that there was, therefore, needs to secure a plan for the financiar of the additional 200,000 to 240,000. After an extended discussion, the Committee voted to recommend to the Result that 200,000, or such portion thereof as may be necessary, before the from the Searles Fund to the purchase of the objects by the Student Body as needs to the stadium shall result.

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At the meeting of the Grounds and Suildings Committee on December 12, 1921, De n robert amorared on behalf of the Crifforni emorated to the different emorated to request that the Architect be authorized to proceed in intely with plans and applications for a rinformed concrete stadium, capable of sesting 60,000 rersons, with an attactive square feet for each person, at a cost not to exceed 900,000. The Committee voted to grant this request. This action was approved by

the Regents at their meeting of January 10, 1922.

At the Regents meeting held December 13, 1921, the Secretary reported that the following resolution had been adopted by the Associated Students of the University of California at a regular meeting held at Berkeley on December 2, 1921.

"It was moved, seconded and carried that the following Resolution, read by Mr. Cortelyou, be accepted by the Associated Students of the University of California, as read.

"WHEREAS, the California Memorial Stadium Committee has received and will receive certain sums of money and certain promise to pay money, as subscriptions or contributions to the California Memorial Stadium Fund for the purchase of land and the construction of an athletic stadium thereon, and

"WHEREAS, it will be necessary that the title to said land and said Stadoum be vested in the Regents of the University of California, and

"WHEREAS, the said Regents of the University of California have better facilities and organization for administering said funds and for purchasing said land and constructing said Stadium than have said California Memorial Stadium Committee or the Associated Students of the University of California, and

"WHEREAS, it will be necessary, in order to purchase said land and construct said Stadium, that certain sums of money be borrowed, certain financial obligations be incurred and certain agreements be made for and on behalf of the Associated Students of the University of California:

"NOW, THEREFORE, BE IT RESOLVED by the Associated Students of the University of California, that said California Memorial Stadium Committee be, and it hereby is, authorized, empowered and directed to pay over to said Regents of the University of California all sums of

the Megents at their meeting of January 10, 1922.

At the Rejents meeting held December 13, 1921, the persent reported that the following rejolution had been adopted by the Asinci ted Students of the University of Jalifornia at a regular meeting held at Berk ley on December 2, 1921.

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"WHELLAS, it will be necessary, in order to purchase said land and construct said Stadium, that certain sums of money be borrowed certain financial obligations be incurred and certain agreements be made for and on behalf of the Associated Students of the University of Clifornia:

"NOW, THEREOUS, BE IT RESOLVED by the Associated Students of the University of California, that said California Memorial Stadium Committee be, and it hereby is, authorized, empowered and directed to pay over to said Regents of the University of California all sums of

money, and to assign and deliver to said Regents of the University of California all promises to pay money, now held or hereafter received by said California Memorial Stadium Committee as subscriptions or contributions to said California Memorial Stadium Fund, in trust for the purchase of land and the construction of an athletic stadium thereon;

*FURTHER RESOLVED, that the President and Secretary of the Associated Students of the University of California be, and they hereby are, authorized and empowered for and on behalf of the Associated Students of the University of California and in the name of said Associated Students of the University of California to borrow such sums of money and to incur such financial obligations and enter into such agreements in writing for the repayment of said sums of money and the fulfillment of said financial obligations, as may be necessary, proper or expedient for the purchase of said land and the construction of said Stadium and as may be approved by the Executive Committee of the Associated Students of the University of California;

"FURTHER RESOLVED, that the faith and credit of the Associated Students of the University of California be, and hereby is, pledged to the prompt repayment of all sums so borrowed, the due fulfillment of all financial obligations so incurred and the full performance of all agreements so made; provided only that the Associated Students of the University of California shall not be obligated for a principal sum greater than the difference between the amount of money now held in said California Memorial Stadium Fund and the sum of \$1.500.000."

Now, this is where the writer definitely comes into the picture in the problem of the California Memorial Stadium. After the Regents had decided and chosen the site for the California Memorial Stadium between Bancroft Way and Allston Way and between Chapel Street and Atherton Street in Berkeley and John Galen Howard had decided on the

mon y, nd to serie and doline to said degents of the University of California all provine to pay oney, now all or hereafter resived by said California M. norial Stadium Committee as subscriptions or contributions to said California demorial tadium Fund, in trust for the our chase of land and the construction of an athletic stadium thereon; "TURTH T. T. SOTVID, that the President and Secretary of the

Associated Students of the Iniversity of salifornia be, and they hereby re, authorized and empowered for and on bedalf of the Associated outdents of the University of California and in the name of said Associated outdents of the University of Ulifornia to borrow such uma of money and to incur such fine noish obligations and enter into much agreements in riting for the replyment of idequase of money and the fulfillment of said financial obligations, as may be necessary, proper or exaction for the surchase of side land and the construction of the Stadium and as may be emproved by the Executive Committee of the Associated Students of the University of California;

"LULER SOLV D. that the faith and credit of the Assoc-

icted oftedent of the University of California be, and Norsby is, pledged to the project of all sums so borrowed, the due fulfillm at of all fin acid obligations so incurred and the full performance of all are anti-communed only that the associated of all are anti-communed only that the associated of the University of California shall not be obligated for a principal substant that the amount of money not cold in said California and the amount of money and in said California and 1 Stedium Fund and the um of

Tow, this is where the riter definitely comes into the pinture in the problem of the Clifornia emerial atadium. After the Request in decided and chosen the site for the California emerial Stade ium between Bancroft Vay and Lilston ay and between hapel Street and therton Street in Berkeley and John Calen Hayard had decided on the

arched coliseum type of structure with a seating capacity of 60,000, I became more vehement in my disapproval of the site than ever. I had been reprimanded on more than one occassion by Comptroller Sproul and others and told that if I did not desist in voicing my disapproval that I would be removed from my position as University Engineer. My principal objections to the site was that it was taking desirable building sites for academic buildings on the campus, that the site was too small for the coliseum type of structure which needed p plenty of space around the structure for circulation and to set off the structure, such as had at the Los Angeles Coliseum, and there was no available automobile parking facilities close at hand or adjacent. I remember that when the estimates of the cost of the structure were made and the financing of the project was becoming difficult, the suggestion was made that the space under the seat structure could be developed into dormitories for men and thus solve the housing problem and allow some of the cost of the structure to be charged to dormitories. To me the idea was assinine; they were gasping for a way out of their problem.

On account of lower costs for land not actually needed for academic campus building development, I strongly favored the Strawberry Creek site at the so-called "Styles Reservoir "site and then used by the University as a nursery. In 1908 I assisted, under Professor Frederick H. Tibbetts, in the making of a survey and topographic map of this area for a study of a reservoir. The land had been purchased in 1895 with this purpose in mind. This survey and others of the entire watershed of Strawberry Creek resulted in the purchase of much of the land by The Regents in 1909. Thus I was quite familiar with the site in question and the lands of Strawberry Canyon. In my office I had the original survey notes and maps which had been made.

The real opportunity came about the first of December of 1921.

Palmer and McBride, two California graduates and contractors, were con-

arched coliseum typ of structure ith a satily caacity of 60,000, 1 become more veherent in y disapproval of the site thro ever. I had been remrin ried on one than one occasation by Comptroller Sproul en others and told that if I did not desist in voicing my discovered of the site that I would be removed from my paition as Spiversity Lagineer. 'y rrincipal objections to the site was the tit was taking desirable building rit a for academic buildings on the amous, that the site and too small for the coliseum type of structure which needed m plenty of r ce around the structure for circulation and to set off tha structure, such as had at the Los Angeles Joliseum, and there as no available sutomobile parking "adilities close at hand or adjacent. 1 r member that when the estimates of the cost of the structure ore made and the financing of the project was becoming difficult, the suggestion was mide that the arase under the rest atmosure and is be developed into dormitorica for wen and thus solve the housing mobiles it allow some of the cost of the simuature to be charged to dermitories. To me the idea was assinin , they were capting for a way out of their repolem.

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structing the stadium at Stanford University, an earthen type of bowl. Baker and Carpenter, former Stanford graduates, were the designing architect and engineer for the Stanford Stadium. Palmer and McBride banked at the Crocker First National Bank in San Francisco where Regent James K. Moffitt was President. At a meeting in the bank between Mr. Palmer and Mr. Moffitt, Mr. Palmer discussed the apparent problems that the Associated Students at Berkekey were having in fibancing their proposed stadium and suggested that the Stadium Commission and The Regents consider the earth fill type of construction for the stadium as was being used in the construction of the Stadium on the Stanford campus and as being much cheaper than the concrete coliseum type of structure. Regent Moffitt, then chairman of the Finance Committee of the Regents, reported this intelligence to the Finance Committee. After discussion of the matter, the Regents requested Palmer and McBride, as the contractors, and Baker and Carpenter, as architect and engineer, to investigate the possibility of constructing an earth fill type of structure on the Berkeley Campus, particularly as to the location in Straw-10 berry Canyon.

A few days later, when Palmer, McBride, Baker and Carpenter came to the Comptroller's office, they were turned over to assistant comptroller Calvin J. Struble, who immediately phoned me and asked that I come to his office, I believe that Comptroller Sproul did not wish to meet with this delegation for a new site and/or type of construction as he was sold or dedicated on the Bancroft Way, Allston Way site and of the concrete colisium type of construction. His mind had been definitely made up.

I was fully and adequately prepared for the delegation. I had a detailed contour map of the so-called Nursery site in Strawberry Canyon, with the adjoining property subdivision and their owners, which map I had made in 1908 when consideration was being given to the

structing the stadium at Stanford Univ raity, an earthen type of bowl. Bak r and Carpenter, 'ormer stanford graduates, were the designing architect and engineer for the Stanford Stadium. Palmer and leBrid banked at the Crocker First National Lank in Lancisco where Kegent James K. Moffitt was President. At a me ting in the bank between "r. Palmer and Fr. Moffitt, Tr. Palmer discussed the apparent problems that the associated Students at Berkeley ware having in fibencing their proposed stallum and suggested that the stadium lownission and he Rogents consider the earth fill type of construction for the at dium as was being used in the con truction of the Stadium on the Stanford camnus and as being much cheaper than the concrete coliseum byre of struct ure. Regent offitt, then chairmn of the Fin no Cormittee of the Aegents, reported this intelligence to the in nea Committee. . fter discuttion of the matter, the meg nts requisted Palmer and confile, as the contractors, and Baker and Barpenter, as architect and engineer, to inv stigate the normibility of constructing an earth fill typ of structing ure on the Barkeley Campus, purticularly as to the location in Strawherry (anyon.

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construction of a water supply reservoir on this site, under studies made by Professor Charles Gilman Hyde and under the direction of The Regents. The idea of a water supply reservoir on this site was not a new one, the property having been acquired for this purpose from Ann J. Stiles, by deed dated Dec. 6, 1895 and recorded Dec. 13, 1895 in Book 80 of Deeds, Records of Alameda County, and composed 3.34 acres of land. The Regents also owned other adjacent lands to this site. The lands to be acquired to make this site suitable for a stadium site were not many and nominal in size, and located on the east side of Piedmant Avenue is the size.

After a short discussion and perusal of the map in my office in the attic of California Hall, the group went to site of the nurdery. The group were immediately impressed with the possibilities of the site for an earth type structure. Upon return to California Hall the group reported to Mr. Struble and told him that they would make a study of the project and prepare an estimate of cost for consideration by The Regents and also asked for my services to assist them in their plans.

For the next several weeks I assisted the contractors and the engineers in a layout of a stadium in the Strawberry Canyon site. It was soon realized that a larger stadium than the 60,000 seating capacity which had been proposed for the Ellsworth Street site was possible, so two studies were made, one with 60,000 seating capacity and one with 70,000 capacity. Scale models of each size stadium wefe also prepared. I particularly remember the day when the plans, scale models and estimate of cost were presented to The Regents at one of their meetings. The Regents were impressed immediately with the payout and particularly the lower cost that that of the concrete coliseum type of design prepared by John Galen Howard for the Ellsworth Street site.

On a Saturday morning, early in December, 1921, following the Committee meeting when the plans, models and estimates were submitted, a group of about ten Regents, mostly from the Groungs and Build-

construction of " ' or auguly reservoir on this site, unier theirs condense of the by Professor Charles Filtern Tyde and under the direction of The second to the idea of a refer numly reservoir on this site was not a new on, the procesty having been acquired for this purpose from an Cotiles, by deed detad Dec. 6, 1895 and reord d Dec. 13, 1895 in the Sciles, by deed detad Dec. 6, 1895 and reord d Dec. 13, 1895 in the The Regents also owned other adject; leads to this site. In lands to be acquired to make this site muitable for a stadium site era not many, and nominal in size.

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On a Saturday morning, early in December, 1921, following the Committee meeting when the class, models and estimates were sub-itted, a group of about ten Rerents, mostly from the Proungs and Build-

ings and the Finance Committees, came to Berkeley to look over the site. Again, fortunately, I was the only one from the Comptroller's Office to go this tour with The Regents. None of the me mbers of the Stadium Committee were present. I conducted the Regents from California Hall south to Bancroft Way, thence east along Bancroft Way to Piedmont Avenue and ten up and easterly across the so-called "Horace Davis " lot, which has a frontage of 150 feet on Piedmont Avenue and an average depth of about 400 feet to a ridge and the westerly edge of the so-called reservoir site. The Horace Davis lot had been acquired by purchase by The Regents by deed dated May 16, 1888, and recorded Jan. 10, 1889 in Book 360 of Deeds at page 460, Records of Alameda County. Other lands along the strawberry canyon were also acquired in this purchase. The total acerage was 20.08 acres. For several years past the reservoir site had been used as a nursery for plant propogation for the campus, having been moved from the so-called Botanical gardens along the axis of the campus.

This December morning was clear and cold and a most inusual morning for Berkeley for it had snowed during the night and the Berkeley hills were covered with snow. To the west the view of Berkeley, of San Francisco Bay and of San Francisco and of the Golden Gate were partitularly clear.

I outlined to The Regents the proposed stadium plan, its extent, the access roads and the lands to be acquired. I was so enthusiastic about this site that I must have waxed poetic this marvelous morning as I told The Regents " what finer site could be found, nestled on our own campus in these beautiful Berkeley hills, the heritage of all who lived in the East Bay and looking out to the west on San Francisco and the San Francisco Bay and through the Golden Gate, the gateway from California to the big Pacific, and what finer memorial could be given and erected on this site to all those loyal sons of California

ings and the Min now Tornittees, came to Berkully to look nar the site. .g in, fortunately, was the end one from the lowetroller's office to To this tour with The Regards. None of the meners of the String .com mittee were present. I conducted the Legents from California Lal? routh to Bandroft Tay, thende east alon: Inderoft Way to Ilelanut Iv nue and then up an east rly aprent the so-called "Arrace Davie " lat. that against one base unon, thomb if no tool lo exceptoric sea iside of about 400 Pest to a ridge and the westerly ests of the to-called reservoir site. The Morror Davis lot had been counted by murch as by Tis coments by dam' dated bay 16, 1933, and recorded Jun. 10, 13 2 in Bok 360 of Deals of mar 50, Lacords of Alam de County. Other lands along the strawberry cannon fere also condited in this purchase. The total scorage was 0.03 screat. For soveral years part the reservoir site had been waed as a number for plant proporation for the acons, hering hear moved from the so-colled Botanical tendence clong the artin of the empur.

hin Secondar monning was elear and cold and a most denously confing for Jarkeley for it had snoved furing the night and the next level level little were covered with snow. To the west the view of lerislay, of len brancisco and of the Brancisco and of the Galden lete each restability alsoy.

I outlined to The Legents 'he proposed stadium clou, its statut, the access moeds only the loads to be accurred. I me so enthurinatic about this site that I must have ensed postic thic meryelous coming as I teld the estate " that finer site could be found, a tled on our own armus in these beautiful Berkeley hills, the brittage of all the lived in the east Sev and looking out to the west on ten francisco and the wast fine folden by the forming to the bic Easific, and what fine memorial could be from the ordered on this site to all those loyal sons of folicemin

who had given their all for the love of their country." When I had finished, the Regents applauded me and as we walked down the slope into the nursery gardens, Regent Father Charles Ramm, put his arm about me, walked along with me and congratulated me on the sentiments I had expressed and said that I had only to bide my time for favorable consideration. Other Regents shook my hand and congratulated me for my sincerity and many asked further questions of the proposed project as we walked along. We finally climbed the north bank of Strawberry Creek to the old Dairy Barn Road, and then back through the campus to California Hall. This morning made me very happy.

In the original plans and the scale models of the stadium for the Strawberry Creek site there was severe criticism of the lack of access to and from the proposed stadium. We believed there was adequate access along Piedmont Avenue, and from Prospect Street and the road along the east side now known as Rimway Road which now extends down the hill to Gayley Road and to South Drive on the campus. Another road was shown on the original plans which extended from the top of the Rimway Road northerly back of Bowles Hall (not then constructed) and easterly of the Greek Theatre across the relatively flat area to Hearst Avenue just east of La Loma Avenue. It was considered that this access road would be most vital and convenient for automobile traffic with a possible parking area or field east of the Greek Theatre. On account of the cost at the time of the Stadium construction, this access road was not constructed. Over the years since I have advocated the construction of this road but did not get any favorable reaction from the University access.

Several years ago when it was decided to remove the University Shops from the area east of the Rimway Road, I strongly advocated that the shops be located in the area between the Greek Theatre and Bowles Hall and the Dase of Charter Hill. The area could have been graded for a nominal cost, the shops could still be on the campus

who had riven their all for the love of their country." When I had finished, the Regents applauded me as we worked lown the alone into the curs by gardens, Regent Inther Charles Rams, but his are about me, walled along with me and constratulated me on the sentiment. I had expressed and wid that I had only to bide my time for favorable consideration. Other depents abook my hard on congratulated me for my sination. Other depents abook my hard on congratulated me for my sination. Other depents abook my hard on congratulated me for my sination. We finally alimbed the north bank of Strawberry Creek to the old Dairy E in Road, and then back through the sunus to Califating the old Dairy E in Road, and then back through the sunus to Califating Tries musting mede me very happy.

In the original plan on the coale models of the stadium for the stradium access to and from the proposed stadium. We believed there was adequate access lon; Tiedmont Av nue, and from arospect direct and the road along the cost side now knews a firmay upad bich no extends from the along the cost side now knews along the strade in a cost and was hill to I view hoad and to South Drive on the compas. Another word was shown on the original plans which extended from the top of the iterative of the Greek Theatre across the relatively flat area to learst Avenue fust eat of La Lora (venue. It was considered that this access road would be montrief a convenient for automobile traffic with a possible montrief area or field east of the Greek Theatre. On account of the constructed. Over the years since I have advocated the construct.

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and not in conflict with any of the academic buildings, insteading of sh. ps locating them a couple of miles from the campus on expensive city of Berkeley property. I still wonder why the campus powers let this moveing of the shops be tolerated. I am still peeved that my comments were not even considered.

Such a road between Rimway Road to Bearst Avenue would be a decided advantage in that it would provide a second cross campus road, which would be most desirable at times when the present Gayley Road must be closed for functions in the Greek Theatre, such as Chartef Day exercises, plays, pagents, etc.

Before proceeding with my connections with the Stadium design and construction, I will relate the record of the various committees and Regents meetings.

ember 19, 1921, Dean Probert appeared on behalf of the California Stadium Executive Committee to request that the Architect be authorized to proceed immediately with plans and specifications for a reinforced concrete stadium, capable of seating 60,000 persons, with an area of five square feet for each person, at a cost not to exceed \$900,000. The Committee voted to grant this request. This action was approved by the Regents at their meeting of January 10, 1922.

At the Regents meeting held December 13, 1921, the Secretary reported that the following resolution had been adopted by the Associated Students of the University of California at a regular meeting held at Berkeley on December 2, 1921.

"It was moved, seconded and carried thatm the following Resolution, read by Mr. Cortelyou, be accepted by the Associated Students of the University of California, as read.

"WHEREAS, The California Memorial Stadium Committee has received and will receive certain sums of money and certain promise to pay and not in conflict ith any of the car in childings, instead of the carting that a couple of miles from the carting on expensive city of Berkeley property. I till worder by the carting powers let this average of the hope between tede. I am atill pecked that my comments were not even considered.

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"It was moved, accomind and carried that the following Resolution, read by "r. Cortelyou, be accented by the Associated Students of the University of California, as read.

" HD LAS, The California Memorial stadium Committee has recei-

stadium Fund for the purchase of land and the construction of an athletic stadium thereon, and

"WHEREAS, it will be necessary that the title to said land and said Stadium be vested in the Regents of the University of California, and

"WHEREAS, the said Regents of the University of California have better facilities and organization for administering said funds and for purchasing said land and constructing said Stadium than have said California Memorial Stadium Committee or the Associated Students of the University of California, at and

"WHEREAS, it will be necessary, in order to purchase said land and construct said Stadium, that certain sums of money be borrowed, certain financial obligations be incurred and certain agreements be made for and on behalf of the Associated Students of the University of California;

"NOW, THEREFORE, BE IT RESOLVED by the Associated Students of the University of California, that said California Memorial Stadium Committee be, and is hereby is, authorized, empowered and directed to pay over to said Regents of the University of California all sums of money, and to assign and deliver to said Regents of the University of California all promises to pay money, now held or hereafter received by said California Memorial Stadium Committee as subscriptions or contributions to said California Memorial Stadium Fund, in trust for the purchase of land and the construction of an athletic stadium thereon;

*FURTHER RESOLV\$D, that the President and Secretary of the Associated Students of the University of California be, and they hereby are, authorized and empowered for and on behalf of the Associated Students of the University of California and in the name of said Associated Students of the University of California to borrow suchmsums of money

oney, as subscriptions or contribution, to the California Tenorial constitution of an atheres of the construction of an atheres stadium thereon, and

" f CAS, it will be necessary that the fitle to sid land and said of tadium be vested in the Rejents of the University of California, and

** Madded, the said herents of the University of California have better facilities and or carization for editionating said finds on for nurchasing said land and constructing said california femorial obadium Com ittee or the accordated Sturents of the University of California, mb and

"undeforming and of dium, that certain under to purchase said land on construct said of dium, that certain unde of coney be bornough, sertain financial obligations be incubred as certain arrequents be made for and on behalf of the Associated students of the University of Jalifornia:

the iniversity of Jalifernia, that said Jalifarnia Hemorial Stadium Jon ittee be, and is bereby is, authorized, acrowered and directed to any over to said regents of the University of Thifornia all aura of money, and to arize and itsiversity of Thifornia all aura of Jaifarnia all promines to may money, now held or bereafter received or said Jalifarnia Lemorial Stadium Jammittee as subscriptions or contributions to said Salifornia Jenomial Stadium Jammittee as subscriptions or contributions to said Salifornia Jenomial Stadium Jund, in trust for the murchase of 1 md and the construction of an atoletic stadium thereon:

and to incur such financial obligations and enter into such agreements in writing for the repayment of said sums of money and the fulfillment of said financial obligations, as may be necessary, proper or expedient for the purchase of said land and the construction of said Stadium and as may be approved by the Executive Committee of the Associated Students of the University of California;

"FURTHER RESOLVED, that the faith and credit of the Associated Students of the University of Californiabe, and hereby is, pledged to the prompt repayment of all sums so borrowed, and due fulfillment of all financial obligations so incurred and the full performance of all agreements so made; provided only that the Associated Students of the University of California shall not be obligated for a principal sum greater than the difference between the amount of money now held in said California Memorial Stadium Fund and the sum of \$1,500,000."

At the joint meeting of the Grounds and Buildings and the Finance Committees on January 10, 1922, the Comptroller advised the Committee that pursuant to the suggestion of Regent Moffitt, Messrs. Palmer and McBride, the contracting firm who constructed the Stanford Stadium, had presented to him a plan for the construction of a Stadium upon the present Nursery site in Strawberry Canyon. Mr. E. E. Carpenter. one of the members of the firm of engineers of the Stanford Stadium, then described to the Committees the details of a proposed Stadium, upon this site. He stated that an earthen structure, seating at least 75,000. together with proper approached, could be built for a sum of approximately \$710,000. After extended discussion of the project, the Committee instructed the Comptroller to procure an accurate topographical survey of the proposed site in Strawberry Canyon, and appropriated a sum of not to exceed \$1500. therefor. The Comptroller was slso instructed to advise the architect to desist, for the time, from the preparation of plans for a concrete structure located on the southwest

end to incur curb firencial obligations on anter into such agreements in vritin, for the rupe; at of and sum of ency and the fulfillment of said financial obligations, as may be necessary, proper or expedient for the nurchase of said land and the construction of said stadium and as may be approved by the experience of the Associated Statements of the University of California;

at the joint meeting of the crounds and willings and the Fin nee Committees on January 10, 1923, the Committees adviced the Committee that pursuant to the augrestian of Legunt Toffitt, Tearra. Talmor and Modride, the contracting fire the constructed the chargers Stedium, had presented to him a mlan for the construction of a falling unon the procent wirrery it in Strawh rmy Jonyon. Mr. u. L. Jarping one of the a abers of the firm of engineers of the Stanforl Stadium, then described to the Committees the details of a promosed stadium, upon this site. He stated that an earthen structure, seating at logst 75,000. torether with proper approaches, could be built for a sum of om movingtely "710,000. After extended discussion of the project, the Committee instructed the Comptroller to procure an courate topographisel turvey of the proposed site in otherny leavon, and appropriate a sum of not to exceed plane, therefor. The Comptroller was also instructed to advise the architect to desist, for the time, from the nrenaration of minns for a concrete atructure located on the southwest

corner of the campus. The Committee also voted to authorize the Comptroller to investigate the possibility of obtaining options upon such private property as may be necessary for the proposed Stadium with pawer to act thereon.

At the joint meeting of the Grounds and Buildings and the Finance Committees on January 24, 1922, Regent Britton, Chairman of the Grounds and Buildings Committee, stated that in accordance with instructions from the Committee two weeks ago, an accurate survey had been made of the "Nursery Site" in Strawberry Canyon, (surveyed and mapped by Herbert B. Foster and his staff), and that in this connection Messrs.

Palmer and McBride, contractors, had submitted a definite offer for the construction of a Stadium (I held this offer in my files for many years). He asked the Secretary to outline the plan to the Committees. The Secretary stated that Messrs. Palmer and McBride offered to build an earthen stadium of the bowl type, similar to that constructed by them at Stanford, but to hold not less than 70,000 and to be ready for (Noucomber 1922) this years Big Game. He stated that they offered to do the work under any one of the three propositions, viz;

- (a) At cost plus 15 per cent,
 - (b) For the lump sum of \$785,000,
 - (c) At cost, plus 15 per cent, with a guaranteed cost limit of \$835,000 the understanding being that in case the cost, including the 15 per cent, should be \$785,000 or less, the Regents and the Contractors to share equally in such saving, but that in case the cost, including 15 per cent should exceed \$785,000, and should be less than the guaranteed cost of \$835,000, the Regents and the Contractors to share equally in such excess cost, the Contractors agreeing that in any event, the total outside cost to the University to be not over \$810,000.

At the request of the Chairman, the Graduatex Manager Manager

At the foint meeting of the frounds and Juilitage and the finance founttees on Junery 24, 1923, a gent Britton, Rairman of the front to Committee two gets are, an accurate survey had been altered the flurancy Stramborry Sanyon, (surveyed an mapped by Jerbort E. Josten and Stramborry Sanyon, (surveyed an mapped by Jerbort E. Josten and Stride, contractors, had substited a definite offer for the construction of a stadium (I mad that in this connection Mesars, the construction of a stadium (I mad that the plan to the Committees. The secret my attend that Mesars. There and survive offer the Committees. The secret my attend that Mesars. There are survive offered by the station of the bowl type, airlier to that constructed by the station, but to he ready for any one of the three proposaltions, viz:

- (a) At rost plus 15 per cent,
- (b) For the lump num of 735,000,
- (a) toost, plur 15 rer cent, with a jugranteed rost limit of 355,000 the und retanding being that in case the cluding the Li rer cent, whould be 785,000 or less, the Rerents and the Contractors to share equally in auch saving, but that in case the cort, including 15 per cent should exceed but that in case the cort, including 15 per cent should exceed 735,000, and around the dess than the guaranteed cost of 355,000, the cents and the Contractors to share qually in such excess cost, the Contractors expecient that in any event, the tot excess cost, the Contractors expecient that in any event,

at the meruent of the Chairman, the Productexing maximum are and the

Manager reported upon the finances of the A.S.U.C. and upon the capacity of the students in respect to the amount of debt for a stadium they might satisfactorily carry. From this report, it appeared that the students cannot safely assume a debt requiring an annual payment greater than \$33,000.

On January 25, 1922, the Committees on Grounds and Buildings and on Finance met and went at once to the proposed site for the stadium in Strawberry Canyon and thoroughly examined the same, and then adjourned to meet on Friday, January 27, 1922 at 3:30 P.M.

The writer again had his opportunity to go with the Regents on this inspection trip and pointed out the salient facts of the project.

At the joint meeting of the Committees on Grounds and Buildings and on Finance held on Janyary 27, 1922, the committees discussed the matter of the location of the new Stadium. The President stated that the Supervising Architect (John Galen Howard) had prepared plans for a Stadium to be sunk in the earth at the northwest corner of the present campus, to hold at least 70,000 people, and has secured a bid from Messrs. Bates and Borland for the sum of \$495,000. After discussing this and other possible sites, the Committees voted to recommend to the Regents that the site located between Atherton and Chapel Streets and Allston Way and Bancroft Way be abandoned, and the Attorney be instructed to dismiss the condemnation suits heretofore filed on the properties located in that vicinity.

At the same meetings of the committees, the matter of the location of the proposed Stadium was discussed at condiderable length. It appeared that the cost of securing the land at the southwest corner of the campus would amount to between \$600,000 and \$800,000, and that the cost of the proposed coliseum type of structure would be about \$1,000,000. In consideration of these facts, the Committees voted to adopt the following resolution and recommend its passage to the Board

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At the same meetings of the committees, the matter of the location of the proposed Stadium was discussed at considerable length. It appeared that the cost of securing the land at the southwest porner of the campus would amount to between '500,000 and '800,000, and that the cost of the mromosed coliseum type of structure would be about 1,000,000. In consideration of these facts, the Committees voted to adopt the following resolution and resourend its passage to the Board

of Regents:

"RESOLVED, that the Stadium be not located upon any part of the campus west of the Greek Theatre."

The Committee also discussed the possibility of locating the Stadium upon a site south of University Avenue and west of Grove Street. It was the sense of the Committees that the site chosen should be either in this vicinity or in Strawberry Canyon. On motion duly made and seconded, it was voted that in view of the opinion of the Committees that one of these two locations should be chosen, they should adjourn until 10:00 a.m. Tuesday, February 7, the Comptroller being instructed in the meanwhile to secure figures as to the area obtainable, price, etc., on the site in West Berkeley, and to ascertain the opinion of the students as to the two sites under consideration.

The above resolutions were approved by the Regents at their meeting of January 31, 1922.

At the joint meeting of the Grounds and Buildings and the Finance Committees on February 7, 1922, the matter of the location of the new Stadium was discussed with reference to the possibilities of securing a suitable site west of Shattuck Avenue. The Comptroller reported that he and the Supervising Architect had together selected a site at the site at the security Avenue, between Sacramento and California Streets, and that Mr. Charles Brock had reported that the probable cost of acquiring the real estate comprising this site would be \$240,000. The Supervising Architect presented a sketch showing an aeroplane view of a Stadium located upon this property, and stated that such a structure would cost approximately \$527,000. The Secretary read the following resolution passed by the Executive Committee of the Associated Students:

"Resolved, That the Executive Committee of the Associated Students shall be placed on record as opposed to any site for the Stadium in West Berkeley and wish to declare themselves in favor of the

of Regunta:

".GdJDV., *hat the ot dive be not located upon any mart of the craus west of the Greek Pheatre."

The Countitee also discussed the possibility of locating the Stadium upon a site south of University Avenue and west of Grave Strat.

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"Resolved, That the Executive Co mittee of the Associated utuality shall be placed on record a opposed to my nits for the atadium in that Berkeley and ish to declare themselves in favor of the

nursery site."

The following resolution of the Stadium Committee was also read:

"Resolved, That the Executive Committee of the Stadium be placed on record as opposed to any site for the Stadium in West Berkeley and in favor of the Nursery Site, and that the Chairman be authorized to prepare a statement setting forth the reasons which lead the Committee to this kriming decision,"

A communication from Dean Frank H. Probert, Chairman of the Stadium Executive Committee was also placed before the Committees in which Dean Probert set forth the advantages of the Canyon Site. After extended discussion, Regent McEnerney moved that the following recommendation be made to the Regents:

"To the Regents of the University of California:

Your Committees on Grounds and Buildings and Finance, meeting in joint session, have the honor to recommend the location of the California Memorial Stadium on the site at the mouth of Strawberry canyon, known as the nursery site. This recommendation dies not carry with it any obligation on the part of the Regents to pay the sum of which certain contractors have agreed to construct a bowl on this site, although your Committees are prepared to pay that price if necessary."

Regent Fleishhacker seconded the motion. The motion was carried, Regents Earl, Foster, McEnerney, Fleishhacker, and Bowles voting aye; Regent Moffitt and President Barrows voting no.

The above recommendation was approved by the Regents at their meeting of February 7, 1922.

At the Finance Committee meeting on February 28, 1922, the Comptroller informed the Regents that the lot owned by the Methodist Episcopal Church at Allston Way and Ellsworth Street, for which that organization was asking \$57,500 at the time the location of the Stadium in that area was considered, had now offered to him for the sum of

runt by tit ."

"In following the counties of the station of the station to read the solution of the station to react on record as engosed to any site for the station in dest servely and in favor of the uncorn wite, and the Shairman be authorized to be gare a state, it intimes forth the reasons which in something the to the station forth the reasons which is destricted to the station forth the reasons which is destricted to

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roting are: Temat offitt ad Iresident Barrows voting no.

The above reconnection was approved by the an at their meeting of Hebruary 7, 1927.

At the Piennes Corrections on Pebruary 91, 1000, the combroller informed the count that the lot oracle by the Setholist informal church at illation tay on Ellasorth struct, for thich that oracle stina the time the location of the stadium in the tares was soling 57,500 at the time the location of the stadium in the tares was considered, had now officed to im for the sum of

\$40,000 and that he was of the opinion that it might be secured for Less. It was the sense of the Committee that it would be desirable for the Regents to acquire this property if a bargain price could be secured, as the beginning of a policy of acquisition of the area between Allston Way and Bancroft Way for campus expansion. The Comptroller was instructed to negotiate further and report back to the Committee. (This property was finally acquired by from the Trinity Methodist Episcopal Church by deed dated June 18, 1926 and recorded August 6, 1926 in Book 1320 at page 447 of Official Records of Alameda County), at a price of \$\frac{1}{2}\$, of which 42 per cent came from University General Funds and 58 per cent from Associated Students of Ralifernia University of California).

At the Grounds and Buildings Committee meeting held on March 1, 1922, on motion duly made and seconded, it was voted that the representatives of the Campus Protective Association should be heard in executive session and any other persons desirous of making statements with reference to the location of the Stadium should be admitted later.

At the request of the Chairman, Dr. Wilbur opened the discussion. He called attention to the fact that there was no personal interest on the part of most of the protestants and that they were approaching the matter in a spirit entirely friendly to the University. The Objections which he raised were that the proposed location of the Stadium would inevitably result in defacement of the canyon; that it would provide no room for athletic expansion; that it would be harmful to the Greek Theatre; that it would be inconvenient from a transportation point of view; and that it would be contrary to the major interests of the University. He cited the fact that exstern Stadia are usually not on or adjacent to the campus, and advocated the selection of a site somewhere in West Berkeley.

Mr. W. T. Steilberg, an architect, followed with a state-

'40,000 and the terms of the orinion that it might be secured for Jess. It was the sense of the Jornittee that it would be desirable for the Legants to acquire this amount if a baryd a price could be secured, as the beginning of a policy of semicition of the area betoe secured, as the beginning of a policy of semicition of the area betoe was instancted to acjotist further and report tack to the Committee.

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"r. ". I. Steilberr, an architect, "ollowed with a state-

ment that the present plan is certain to be a failure because it fails to recognize the architectural element. He informed the Regents that the bowl is too large for the site; that them axial location is wrong and that no amount of architectural skill could make it a satisfactory structure. He also stressed the destruction of the beauty of the canyon and the lack of facilities for athletic expansion.

Dr. Everman argued that the canyon is in constant use by classes in biology, botany, and similar subjects, thus constituting one of the most valuable laboratories on the campus, and a laboratory, moreover, which is irreplaceable. He also reminded the Regents that they had at one time set aside this area for a botanical garden. The question was raised as to whether the eight miles of canyon back of the proposed site would not be equally satisfactory for the purpose suggested by DR. Everman.

This concluded the hearing of the Campus Protective Committee and the other persons interested were admitted to the Committee room.

Mr. J. S. Cooper, representing the Cooper Ornithological
Club, informed the Regents that his organization had filed a protest
which they would like to have considered.

Miss Bertha Rickoff stated that she was a large property owner in the neighborhood and that she heartily approved of the selection which the Regents had made. She expressed the opinion that the Stadium would be a distinct improvement to the vicinity and would result in increased property values. (Miss Rickoff owned a lot with a frontage of 50 feet on the north side of Bancroft Way, a depth of about 150 feet, located between Piedmont Avenue and Prospect Street, which lot was acquired in 1927 for the site of the International House, donated by J. D. Rochefeller, Jr.)

Mr. Wilkinson stated that he did not live near Strawberry Canyon but that as a citizen of Berkeley, he felt the location was a

must that the present plan is certify to be a failure because it filly to recognize the architectural alement. He informed the degentrath that bowl is too large for the site; that the axial location is wrong and that no mount of architectural skill could make it a satisfactory fronture. To also attessed the destruction of the beauty of the censon and the Lack of seilities for athletic ormanica.

Ex. repress in biology, botany, and similar subjects, thus constituting one of the cost valuable lator tories on the campus, in a lator tory, and over, third is irrulaceable. We also rainfied the segenta that the time set saids this area for a botanical raries. The mastrion was raised as to shether the eight miles of carron back of the proposed site could not be early satisfactory for the purpose are ested by later the results as the purpose are ested by later the could not be early satisfactory for the purpose are ested by later the could not be early satisfactory for the purpose are ested by later the could not be early satisfactory for the purpose are ested by later the could not be early satisfactory for the purpose are ested by later the could not be early satisfactory for the purpose are ested by later.

This concluded the keering of the Campus Protective Committee and the other persons interested very admitted to the Committee noom.

In. J. S. Cooper, representing the Cooper Crnithological Club, informed the Resents that his organization has filed a protest high they would like to have considered.

Tiss Lerths wished that the west a large monethy onner in the neighborhook and that the harfily approved of the selection
which the regents had made. She expressed the opinion that the ofaction
could be a distinct improvement to the visinity and would result in
increased concepts values. (Tiss mishoff owned a lot with a frontage
of 50 feet on the north side of Jancroft May, a dapth of bout 150 feet,
located between Piedmont Avanue and Ensered Streat, which lot was acquired in 1927 for the sith of the International louse, donated by

In. Tilkinson stated that he did not live near ofrewberry Canyon but the tas a citizen of Derbeley, he felt the location was a

mistake. He stressed the inadequacy of the transportation facilities.

The Chairman closed the meeting by stating that the Regents had reached their decision to locate the Stadium in Strawberry Canuon only after months of careful study and a personal examination of the site by a majority of the Board. He informed those present that the same deliberation would characterize the future actions of the Regents; that a careful design would be made by competent architectural and engineering authorities, and that the plans, when completed, would be made public for the advise of those interested. He thanked the persons who had appeared for their suggestions and criticisms, many of which he stated would undoubtedly be considered in the design of the finished structure.

At the Finance Committee meeting om March 7, 1922, the Atsistant Comptroller (Calvin J. Struble) advised the Committee that the Trinity Methodist Episcopal Church in Berkeley had offered to sell their church property upon the southwest corner of Allston Way and Ellsworth Street to the Regents three years hence for the sum of \$25,000, less the organ and movable furniture therein. He also stated that this offer was conditioned upon the Regents loaning the church \$47,000. secured by a first mortgage upon the property on the westerly side of Dana Street, extending the entire distance between Bancroft Way and Durant Avenue, xxix said loan to bear interest at the rate of 6% per annum, to be payable both as to principal and interest, in a lump sum three years from date. The offer was further conditioned upon the Regents agreeing to purchase from the church a first mortgage secured by a lot on the southerly side of Allston Way near the corner of Oxford Street, and upon a lot on the easterly side of Fulton Street, also near the corner of Oxford Street, for the face value thereof amounting to about \$7,000. The loan secured by this mortgage bears interest at the rate of 7% per annum and is payable in monthly installments of \$75.00, which payment inmistude. At strossed the inel many of the transportation facilities.

The Unsiman cloud the menting by sating that the majorite had reached their decision to lost ethe obtains in Strawberry langon only offer months of exercial athly and rescond manination of the site by a majority of the Borrl. He informed the organ at that the same deliberation would characterize the fature actions of the testates; the consolid desira would be med by some organisation of the testates; the consolid for the site of these intersted. In the nice we want who had not consider the plans, when consisted, could be med aublic for the sivine of those intersated. In the nice we want who had no severed for the magnetic not stated. In the nice we want who had no severed for the magnetic not stated. In the design of the training of the training of the considers in the design of the saturature.

t the Finance consisted mestin, on arch 7, 1983, the willetant Jometroller (Jalvin J. Struble) advised the Jomeittee to toth. 'vinity "cthodist 'ringrand Thursh in Berkeley had offered to sell their figure I are you notell. To remore thewalters It near graner derugh not the grant arongs three or nonce or none of the sum of the the ore a animovable furniture therein. - also stated that this offer wer not itidaed uron the accepts locaing the church \$17,000. a nor d be a first mortgage upon the property on the westerly side of Dane of pat, ortending the sutire distance botrees Tanorofft my and mrant Arcaus, main said loan to bear interest at the rate of 60 mar annum, to be payoble both as to reinciral and interpart, in a lump sum three years from date. The offer was further conditioned upon the Megenta aprecing to murchase from the church a first mortgage recured by a lot on the courtrly side of Allston by new the corner of Oxford Street, and upon a lot on the easterly side of ultru Street, also near the corner of Orford Street, for the face value thereof amounting to about 27,000. The on required by this mortgare hears interest at the rate of " rer und is negable in monthly installments of 75.00, which regreent includes the interest. The Committee voted to recommend to the Regents that they accept the offer of the church and to make the loan and purchase the mortgage as proposed; and that the President or Chairman and Secretary or Assistant Secretary be authorized to execute all the necessary documents in connection therewith.

It was voted to make the following recommendations to the Regents. That the Regents accept the offer of the Trinity Methodist Episcopal Church to sell their property, (less the organ and movable furniture therein) located at the southwest corner of Allston Way and Ellsworth Street in the City of Berkeley, three years from date, for the sum of \$25,000; that the Regents loan the church the sum of \$47,000 to be secured by a first mortgage upon the property on the westerly side of Dana Street, extending the entire distance between Bancroft Way and Durant Avenue, said loan to bear interestat the rate of 6% per annum and be payable both as to principal and interest in a lump sum three years from date; that the Regents purchase from the church a first mortgage, secured by a lot on the southerly side of Allston Way near the corner of Oxford Street, and upon a lot on the southerly side of Allston Way near the corner of Oxford Street, and upon a lot on the easterly side of Fulton Street, also near the corner of Oxford Street, for the face value thereof, amounting to about \$7,000 which loan bears interest at the rate of 7% per annum and is payable in monthly installments of \$75.00 including the interest; and that the President or Chairman and Secretary or Assistant Secretary be authorized to execute all the necessary documents in connection therewith.

The above recommendation was approved by the Regents at their meeting on March 14. 1922.

At the joint meeting of the Grounds and Buildings and the Fonance Committees on March 8, 1922, the Assistant Comptroller advised the Committees that Mr. John Galen Howard had requested an opportunity to

The state interest. The Corrittee vot a to recommend to the Angents that ther score take of end of the charch and the the mortrage as moverage as moverage as moverage as the more all the new secretary or assistant Secretary be rutherized to excoute all the new ary door ants in conception than lith.

It were total to make the following recognised time to the ought If the exents serent the offer of the winity without the teconal thurch to sell their morenty, (less the organ and covoble furniture therein) looked at the routhwest for a of allaton by and linrotth street in the lity of Park ley, three years from date, for the me of of (no, 7) To my and directly of the constraint the tract (000, 7, 00) to be noured by a first property and the croperty on the westerly wide of on Street, ortholine the anting distance between Bareroft / p and min to the star with determine the of the property to the contract of the contract to the and be payable both as to reinsteal and interest in a lune sur three we are from data; that the seconts aurah we from the church a first ortrage, assured by a lot on the southerly side of allaton or reng the nomer of Unfort Street, say upon a lot on the couthanly side of Allaton wy near the corner of Itford alread, and upon a lot on the destarly side of sulton Street, loo nerr the corner of Oxfort Street, for the face value bharcof, amounting to about 7,000 which lorn bear interest of the rate of 7 mer appear and is mayable in monthly installs nts of 275.00 including the interest: and that the Trasident or Chairman and decretary or assistant pechetary be authorized to execute all the necessnry documents in connection theresith.

The shove recommendation was approved by the Aegents at their meeting on Parch 14, 1922.

of the Joint meeting of the Grounds of Euildings on the Binane of Committees on Larch 3, 1922, the Assistant constroller advised the Journittees that Ir. John Galon Joward had requested an opportunity to

be allowed to prepare plans for a Stadium to be located in Strawberry Canyon. The Committees discussed at length the advisability of adopting the plans devised by Messrs. Baker and Carpenter. Regent Foster urged that an expert engineer of the University's own staff should check whatever plans may be adopted. It was the sense of the Committees, that Messrs. Baker and Carpenter, whose efforts were instrumental in causing the change in the site formerly selected for the Stadeum, had some equitable charge against the Regents. After an extended discussion, Mr. Howard was asked if he felt he could design a Stadium to be placed upon the Nursery site with the same spirit as if he were designing a building on the campus. He stated to the Committee that he was sure he could prepare a design for a bowl upon this site in the same spirit, which would be far superior to that prepared by Messrs. Baker and Carpenter at a considerably lower cost. Mr. Foster was compelled to retire from the meeting before its close. The Grounds and Buildings Committee voted to recommend to the Finance Committee that Mr. John Galen Howard be authorized to proceed with the preparation of preliminary plans for an earthen bowl to be located upon the so-called "Nursery" site at the mouth of Strawberry Canyon, it being understood that the fee for such preliminary plans is to be \$10,000, which sum shall also fully cover all fees and charges due the said Howard by reason of any and all other work performed by him in connection with the Stadium up to the 14th of March, 1922; and it being further understood that in the event Mr. Howard is retained as Architect upon the Stadium that the said sum of \$10,000 is to apply upon account of his fee. It was also voted to recommend to the Finance Committee that if the plans of Mr. Howard are adopted, the sum of \$5,000 be paid to Messrs. Baker and Carpenter as compensation for plans for a Stadium submitted by them.

At the joint meeting of the Grounds and Buildings and the Finance Committees on March 14, 1922, Regent Earl advised the Committees

be allowed to premare that for a station to be located in Strawbyrry Convon. The Consittees direyesed at 'earth the odvisability of alo ting the rland devised by Moders. Margareter. Megent worth urred that in expert on incor of the University's our staff should clack that rootlimed edt to serse il sew tl be'got od yen saelg revoter leasrs. Ether and ther, whose efforts are instrumental in coving th change in the rite formerly releated for the stadium, had some a git ble charge og ingt the A genta. After an extended ligorgion. In. sorrd was sked if he felt he sould issin a ofatium to be of ced upon the sursery cite with the same spirit as if he were d signing a building on the cours. We of teat to the Committee that he will he would rrepare a design for a borl upon this site in the sime spirit, him ould be for apportor to that prepared by Messas. There and Carmanter at a consider of the lost of the control of the control of the front the meeting before its -1938. The Grounds and Luildings lo maittee voted to recoinend to the disease Comittee that Mr. John Calla Boward be authorized to mrocoed with the mregaration of preliminary plans for an earthan boul to le located upon the no-galled "Mursery" sit at "he mouth of Strawberry Invon, it being understood that the fee for anch preliminare all no is to be 10,000, which sur shall also fully cover all fees and charger lue the said laward by reason of any and all other work a me formed by him in connection with the etadium up to the 14th of farch, 1922; and it leing further understood that in the event Mr. Loverd in retained as irrhitect uron the stadium that the said aum of \$10,000 ir to apply upon account of his fee. It was also voted to reconnend to the in nie vomnitten that if the plans of ir. Howard are alopted, the aum of 7,000 b paid to easts. Parer and supporter as compensation for plans for a stidium submitted by them.

At the foint me tine of the frounds and Duildines and the dine

that at a recent meeting of the Grounds and Buildings Committee, the following recommendation had been made to the Finance Committee:

"That Mr. John Galen Howard be authorized to proceed with the preparation of preliminary plans for an earthen bowl to be located upon the so-called "Nursery" site at the mouth of Strawberry Canyon, it being understood that the fee for such preliminary plans is to be \$10,000, which sum shall also fully cover all fees and charges due to said Howard by reason of any and all other work performed by him in connection with the Stadium up to the 14th day of March, 1922; and it being further understood that in the event Mr. Howard is retained as Architect upon the Stadium, that the said sum of \$10,000 is to apply upon account of his fee."

This recommendation was discussed by the Committees and Regent McEnerney moved that the following clause be added:

"but such authorization shall in no wise obligate the Regents to adopt plans so prepared by Mr. Howard, nor, in the event that the said plans are adopted, to make further payment therefore, nor to employ him as Architect in connection therewith."

Regent Bowles seconded this motion. The motion was unanimously carried.

The above resolution was approved by the Finance Committee at their meeting of March 14, 1922, and also by the Regents at their meeting on March 14, 1922.

At the meeting of the Regents on March 14, 1922, the Secretary advised the Regents that a number of communications respecting location of the Stadium in Strawberry Canyon had been received and that the number favorable to the Regents' action were about three times the number of these adversely criticising it. The Regents ordered the Secretary to file the communications.

At the Finance Committee meeting of March 21, 1922, the Comp-

that at a recent meeting of the Grounds and Buildings Cornittee, the following recommendation had been made to the Finance Committee:

"That Mr. John Galen Horard be authorized to proceed with the preparation of preliminary plans for an earth no bowl to be located upon the so-called "Tursery" site at the mouth of Strawberry Conyon, it being understood that the fee for such preliminary plans is to bo [10,00] which sum shall also fully cover all fees and charges due to said over the ty reason of any and all other some performed by him in connection with the chadium up to the lith dry of March, 1923; and it bein; further understood that in the event Mr. Howard is retained as Architect upon the chadium, that the said aum of '10,000 is to aprly upon account of the chadium, that the said aum of '10,000 is to aprly upon account of

This recommendation was discussed by the Committees and Reserv

but such sutherization shall in no rise obligate the Magenta to don't plans so precared by fr. Herard, nor, in the event that the rolly him plans are adopted, to make further plyment therefor, nor to unlow him as frehitect in cornection therewith."

Regent Bowles reconded this motion. The action was unanthously carried.

The abobe revolution was approved by the Finance Committee at their meeting of March 14, 1922, and also by the Regents at their meeting on March 14, 1922.

It the meeting of the Regents on March 14, 1923, the Secretary advised the Regents that a number of communications respecting location of the Stadium in Strawberry Canyon had been received and that the number ber favorable to the Regents' action were about three times the number of those adversely criticising it. The Legents ordered the Secretary to file the communications.

At the Finance Committee meeting of March 21, 1922, the Comp-

troller read a letter from Mr. John Galen Howard respecting his services of in designing a bowl in Strawberry Canyon reading as follows:

*Replying to your letter of today, which informs me of the action of the Regents on March 14; I hereby accept the terms of employment outlined therein and will proceed at once with the work on receipt of the necessary surveys.

"It is my understanding that the last part of the resolution, after the word "but", is intended merely to define and safeguard the recognized rights of the Regents and does not imply that there is any intention on their part to terminate my employment at the completion of preliminary plans, or that, if my preliminary plans are adopted, the Regents would feel at liberty to entrust them to any one else for the making of working drawings and other necessary service in connection with the execution of the work. The natural and desirable outcome of my present undertaking would of course be the continuance of my employment for complete services as architect, just as in the case of other University work. I should not care to be placed in the position of selling preliminary pland for someone else to carry out; nor ker do I think it is the thought of the Regents to attach such a meaning to their resolution, as it would be so clearly against the interest of the undertaking. The author of approved preliminary plans is the one who should interpret them and complete the work. I note the point, not because I think that there is likely to be any difference of view between the Regents and myself, but because to some minds there might seem to be a slight ambuity in the wording. Unless I hear from you to the contrary I shall consider that my interpretation of the magreement is correct."

The Comptroller was instructed to advise Mr. Howard that the resolution of the Regents concerning his employment was in their view not ambiguous and to obtain Mr. Howard's unequivocal acceptance

troller red ad that from Mr. John Palen howard respecting his services' in deciming a boyl in Otrayberry Janyon redines as follows:

'Rerlying to your letter oftoly, fish informs me of the astion of the estion of the estion of the estimate of the terms of employment outlined therein an will proceed at once with the verk on recipt of the necessary survey.

"It is my understood that the Lat per of the resolution, of breugeter bre onited of ylore hold this is "tud" how ell' with, rico mises rights of the regents and does not insly that there is any iptration on their part to trainite y employer at at the correction of rruli linary mland, or that, if my are liminary plans are morted, the Lagrants rould feel at liberty to entrust that to any one also for the reins of coming derinings and other necessary convict in connection ith the execution of the ort. The n turned and design he outcome of my present undertaking rult of course be the continuance of my coployment for complete a rvices as architet, in the case of oth r University onk. Thunk not care to be placed in the position of selling preliminary plans for nom on life to carry out: or vax to thin' it is the thought of the ejents to attech auch a megning to their renolution, as it would be so alserly arainst the interest of the undersking. The uthor of approved preliminary clans is the one "ho chould interrest them and complete the work. I note the point, not because I think that there is likely to be any lifference of view betreen the degents and myself, but because to some winds there might see: to he a slight ambuity in the varling. Inless I hear from you to the contrary ? shall consider that my interrretation of the dagreen nt is ". toarreo

The Comptroller was instructed to advise I. Howard that

the resolution of the benefit concerning his employ ant was in their

vier not ambiguous and to obtain Mr. Howard's unequivoual acceptance

thereof.

At the Finance Committee/on April 4, 1922, the Comptroller advised the Committee that Mr. Howard had unequivocally accepted the terms prescribed by the Regents in connection with the preparation of pland for a Stadium to be located in Strawberry Canyon.

At the joint meeting of the Grounds and Buildings Committee and the Finance Committee on April 11, 1922, the Supervising Architect presented drawings and models for a Stadium to be located on the Nursery Site which the Committees examined at length. Action upon the Matter was Deferred. The Comptroller was authorized and instructed, however, to have the engineering features of the Architect's plans and also the plans prepared by Messrs. Baker and Carpenter examined by Messrs. Markwart and Howell, engineers connected with the Pacific Gas and Electric Company and the Great Western Company, respectively. Regents Britton and Earl agreed to procure the services of these men for this purpose.

At the Finance Committee meeting of April 18, 1922, the Committee was advised that a communication had been received addressed to the Regents of the University of California by Mr. J. S. Hutchinson stating that the Regents' title to the land located in Strawberry Canyon proposed to be used for a Stadium was impressed with a trust for putposes of water supply and that, therefore, it was unavailable for the purpose of the Stadium. The Attorney stated that he had investigated this matter and that the land in question had been purchased with University moneys not obtained from the State Treasuber for this specific purpose and that although a condemnation suit had been started by the Attorney General respecting this property, it had been dropped and that the title held by the Regents was derived by a deed executed by the former owners. He therefore felt that the conclusions drawn in Mr. Hutchinson's letter were unwarranted.

At the Finance Committee meeting on May 2, 1922, the Assist-

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it the inance I writtee for April 4, 183 , the is stroll must vised the Committee that Ir. Howard had unequivocally accented the time prescribed by the Regents in connection with the arejection of manager for a fadium to be located in stranberry I avon.

the foint modeling of the Grounds on willings so ittered the character consists of the character of the consists of models for a straight to be located on the water of the bief the Consists of models for a straight. Action who the water of the bief the Consists of models of sugth. Action who the latter of the consists of the Architecter, he were to have the maintening of the Architecter of land on locate to the present by General Consists of the Architecter of the Measure of the natural of the Measure of the consists of the Measure of the natural of the consists of th

the ris dvised that a communication hid been received addressed to the communication hid been received addressed to the communication hid been received addressed to the communication of the control of the control titl to the lend located in Straw may convolute that the cognital titl to the lend located in Straw may convolute of that the that, therefore, it was unavailable for the aureone of the challen. The thorney at ted that he had investigate this material that the land in an attendant he had investigate this material that the land in an attendant he had been surphised with mivements and that although a condemnation and that had been started by the Atterney and that alternation and the last the meanesting this amongsty, it had been started by the former on magnificate that the comment of the that the comment of the control of the that the control of the started by the Cereste was derived by a deed executed by the former on magnificate therefore felt that the one of the information and the former on magnifications for the that the comment of the control of the that the control of the that the one of the control of the that the control of the control of the that the one of the control of the that the control of the control of the that the control of the control of the that the conditions drawn in the Control of the that the conditions of the control of the control of the conditions of the con

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ant Comptroller asked the opinion of the Committee as to the advisability of paying in full the bill of the Supervising Architect for services rendered in connection with the Stadium at this time. He stated that \$5,000, or one-half the bill had been already paid Mr. Howard. In view of this fact, it was the sense of the Committee that final payment should not be made at this time.

At the Finance Committee meeting on May 23, 1922, the Committee were advised that nearly one-half million dollars had recently been delivered to the Treasurer on account of the Stadium Funds, and the question of investing these moneys in securities returning larger rates of interest than those now being received from the various banks, was discussed. It was the sense of the Committee that nothing should be done in this particular until the report of the engineers studying the Stadium plans were received, it being explained that this report was expected within the next ten days or two weeks.

At the Finance Committee meeting on June 6, 1922, the Committee were advised that several accounts in various banks containing Stadium funds had been turned over to the Treasurer and that these banks were requesting a formal resolution authorizing the Treasurer to draw upon these funds. In view of this fact, the Committee voted to recommend to the Regents the adoption of the following resolution:

RESOLVED, that Mortimer Fleishhacker, Treasurer of the Regents of the University of California be and he is hereby authorized to sign checks for and on behalf of said The Regents of the University of California in connection with any and all accounts held to the credit of said The Regents of the University of California and/or the Board of Regents of the University of California in each and all of the following banks:

First National Bank of Berkeley Crocker National Bank, San Francisco Anglo & London Paris National Bank, San Francisco Anglo-California Trust Company, San Francisco ant comptroller asked the opinion of the Committee as to the African Dility of Paying in full the bill of the Armanising Architect for all views rendered in connection with the Stadium at this time. He atated that .5,000, or one-half the bill has been already maid .r. Howard. In view of this fact, it was the sense of the Consistes that Inches that Inches that Inches that Inches that this time.

It the Finace Committee meeting on Lay 23, 1939, the Committee were advised that nearly one-half million College had recently been dulivered to the Tressurer on recount of the Stadium Funds, and the quastion of investing these moneys in accomittee returning latter retes of interest than those now being received from the various banks, was findered than those of the Committee that nothing should be concluded. It was the sense of the Committee that nothing should be concluded their positivular until the remort of the drivens athlying the Tree in the received, it being explained that this remort as graium plane were received, it being explained that this remort as graium the next ten days or two weeks.

the several recounts in various in was containing abdium tere newised that several recounts in various in was containing abdium funds had been turned over to the irresurer on that these hades are requesting a formal resolution authorizing the frequency to draw upon these funds. In view of this fact, the Committee voted to recommend to the degrate the adoption of the following resolution:

RISOLVED, that Cortiner Cleichhacker, Archauser of the Content the Contents of Contents of Contents of the Contents of the Contents of the Contents of the Contents of Contents of Contents of the Contents of the Contents of Content

First National Bank of Darkeley Crocker Mational Bank, San Transisco Anglo & London Paris M tional Lank, an Armoisco American National Bank, San Francisco
Wells Fargo Nevada National Bank, San Francisco
Central National Bank of Oakland
First National Bank of San Francisco
Union Trust Company of San Francisco
Bank of California, San Francisco
Mercantile Trust Company, San Francisco
Berkeley Branch, Oakland Bank of Savings
Security Bank and Trust, San Francisco.

AND RESOLVED further that the Secretary or Assistant Secretary
be authorized and directed to deliver a copy of this resolution to each
of the said banks as their warrant and authority to pay any checks so
drawn.

The above resolution was approved by the Regents at their meeting of June 13, 1922.

At the joint meeting of the Grounds and Buildings and the Finance Committees on June 8, 1922, Mr. Markwart (of the Pacific Gas and Electric Company) presented a report on behalf of Mr. J. M. Howells (of the Great Western Power Company) and himself respecting the plans for the Stadium in Strawberry Canyon submitted by Mr. John Galen Howard and Messrs. Baker and Carpenter, Engineers. He stated that he and Mr. Howells had gone over the plans referred to in considerable detail and that while they had not changed the basic idea as contained in the plans of Messrs. Baker and Carpenter, they had agreed upon a modification of this plan which was referred to as the "compromise plan". He further stated that this plan was to be considered in no wise final, but merely afforded a basis for further detailed study upon the part of the person or persons who may be selected finally to prepare the working plans for the construction of the Stadoum. The Committee examined the "compromise plan" at considerable length but deferred action thereon until a later meeting.

At the joint meeting of the Grounds and Buildings and the Finance Committees on June 12, 1922, the Committees discussed the matters of selecting some person or firm to have in charge of the construction

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idle PDDEVID further that the decretary or issistant daugetary be such or ised and directed to deliver a copy of this resolution, to each of the said brake as their versant and suchoaity to pay any cheele so drawn.

The above resolution was aromoved by the majenth at facing of June 13, 1929.

t the foint we time of the from the initial interest in in no for sittees on June 3, 1924, In. Later at (of the secifical) and all chric lows my are eated resport on bill of ir. J. i. days la (of the draft fertern to or lowery) and itself " specting the plant for the Stadium in Straybarry Canyon subritted by Mr. John & Lon Lord nd 'spara. Pice and Carrenter, ingineer. its stated that he and e. in. Little alderations of herrare rendered to the or bad all told teld the try is done to a self control of the contr of learn. Poker ad dermenter, they and arread mon a officetion of this all a mine to a state to a state "or remains of a state a stated that thi plan as to be considered in oc ise final, but mercly forded . hasis for further det illd study upon the part of the nerson or remains the may be selected finally to prem the working plane for the enstruction of the 3t dium. The senitter excited the compremis plan" at conciderable 1 ngth but deferred action thereon until a later mecting.

At the joint meeting of the Grounds and Willings and the Winance Committees discussed the mattern of telecting some person or firm to have in there of the construction

of the Stadium. After extended discussion, the Committees voted to instruct the Chairman of the Grounds and Buildings Committee to interview Mr. John Galen Howard and Messrs. Baker and Carpenter with the view of negotiating for the procurement of the services of either or both Mr. Howard and this firm.

At the Finance Committee meeting of June 27, 1922, the Committee were advised that Regent Britton had been approached by Mr. John Galen Howard with a request that his bill for services upon the Stadium be paid in full at this time. Mr. Britton requested the Committee to take the matter under consideration at this meeting. After discussion, it was the sense of the Committee that Mr. Howard be paid the sum of \$2500 upon account.

At the meeting of the joint committees on Grounds and Buildings and on Finance on June 30, 1922, the Chairman stated that the meeting had been called for the purpose of hearing a report from Regent Britton respecting his conference with Mr. John Galen Howard and Messrs. Baker and Carpenter with regard to the possibility of securing the services of either or both of them for the construction of the Stadium. Regent Britton advised the Committee that he had conferred with these gentlemen and that they had all expressed their willingness to cooperate in the work. He stated that Mr. Howard was willing, to assume charge of the project, employing Messrs. Baker and Carpenter as Engineers, the fee of the Engineers to be determined upon/mutual arrangement between them and Mr. Howard, and further that this arrangement had received the approval of Messrs. Baker and Carpenter. The Committee discussed this at length, several of the members expressing a doubt as to the advisability of placing Mr. Howard in complete charge of the project. The Chairman called the attention of the Committee to the fact that Mr. A. H. Markwart in presenting the "compromise plan" had stated that it was not in a state of completion. Certain of the Committee expressed a desire to

of the utedium. If we contended discussion, the Constitues voted to intermed the Chairm of the Grounds of infillings to ditted to intervious for Coin Galen Lambard and Teast . Later of Carpenter ith the view of megoticity for the recurrence of the corvices of cities or both Lambard of the corvices of cities or

At the linear Jonaittee meeting of June 17, 102, the services we sivise that leave the Pritten had been remained by Lr. Sale of the Land the him bill for asymices and the distribution full of this time. Here linearly the land the land of the linear consideration at this meeting. If the rease of the Somethee that it lowers or the same of the Somethee that it. Journs or laid the sum of the orange of the Somethee that it. Journs or laid the sum of the sum of the same of th

is the mosting of the foint committees on from the milings and on Finance on June 39, 1982, the Pairman atated that the sate ing had been orll for the mirrore of arthoughton ort for Trition rean cting his confirmed with in. John Total con on it is a red Sam optor with a sea to the constituted agenting the repr vices of sits mor both of then for the construction of the tedium. Torint Iritton saving the location that he had conformed the flore intlenen in that they but il expensed their milingness to dooperst in the work. I's stated that the Howard wor willing, to ascende there of the project, aploying esses. Baker and Carpenter as agineers, the fee of the Ingineers to be determined upon fautual grangment between them end r. Morard, and further that this arrengagent had received the grprovel of tears. The arrestor. The counities linguaged this et length, several of the members expressing a fount as to the advisability of mlacing ir. 'oward in court te charge of the project. The Chairman called the attention of the Committee to the fact that 'r. 1. 1. 1. at ton ass di trut bedeat had "note sairemon" and pridressen ni tre

e state of onviction. Certain of the to itten appealed a desire to

see these plans brought nearer to completion and Regent Britton was instructed to interview Messrs. A. H. Markwart and J. M. Howells and to inquire of them if it would be possible to bring the plans heretofore presented to a higher state of development without, however, advancing to the point of preparing working drawings and specifications.

At the joint meeting of the Committees on Grounds and Buildings and on Finance on July 6. 1922, the Chairman stated that the meeting had been called for the purpose of receiving a report from Regent Britton on the results of his interview with Messrs. A. H. Markwart and J. M. Howells on the possibility of bringing the Stadium plans heretofore presented by them to a higher state of development. Regent Britton informed the Committees that after talking with these gentlemen, he had deemed it advisable to have them appear before the Committees and make their own statement of the situation as it stands at present. The Chairman then called upon Mr. Howells who stated that Mr. Buckingham had been making an intensive study of the Stadium Location and had a plan to present which he felt would be of great interest to the Regents. (Mr. Buckingham was a nephew of Mr. Howells and had been doing the work on the stadium on his behalf). Mr. Buckingham presented the plan which provides for a conbination of an earthen bowl and a concrete superstructure. The plan was taken under consideration and Mr. Buckingham asked to furnish blue prints of it to the Committee members.

At the joint meeting of the Committees on Grounds and Buildings and on Finance on July 12m 1922, the Chairman opened the meeting by stating that it had been called for a further discussion of the Stadium plan presented by Mr. Buckingham at the previous meeting. Mr. Buckingham then proceeded to make a statement as to costs which is set forth in full in a report on this plan which he has prepared for distribution, to the members of the committees. This report shows a total cost, including real estate, within the amount subscribed. The Committee

ther, miles brought nounce to completion and and interest to interview lesses. In a right to a right of the plans hard-offer to a right to sold be rossible to bring the plans hard-offer aresented to a higher state of development rithout, no aver, advancing to the joint of premaring drawing, and accifications.

it the joint ting of the Counittees on Grounds n' willinca mi on limmae on July 5. 1922, the feet that that the meating ind been a lied for the number of receiving a report from the put ritton on the regults of his interview with decreased. I. f. the ent and -ctimed consist on the most initiaty of bringing the stalling right on the commission of the first of developments of the gift of the commission of the commiss in the consistence that after a Tring with the a good a spin had is med it drinable to have them appear hafors the Consittens in move their own at tenent of the situation as it stunds at project. The Phair in than called unon in. To villa who at ted that in. recin but hoon relating to intensive abody of the obsdium incestion and had a mism to missont high he felt rould be of great int rest/to the wight. (ir. notinghan ras a nother of Mr. to ells and hed b on doing the to on the etains on his bigle). The enakinghe eresented the mlan die provides for a embination of a exthem bowl on a concrete succeptual ure. The alan was to en under consideration and "r. maringhay or ele

Lt the joint meetin, of the Consistees on drowers and Luillings of on Finance on July 1939, the Chairman opered the meeting by stating that it had been called for a further discussion of the otion in the presented by lr. Tuckingham at the previous meeting. In Jucking them then proceeded to make a statement as to costs his his set forth in Juli in a memory on this also his he has prepared for distriction in Juli in a memory of the comittees. This remark shows a total cost, including meal estate, it in the amount subscribed. The Coprittees.

to furnish blu mrints of it to the formittee members.

then entered into a discussion as to the next step to be taken, and particularly as to the selection of a person or persons to be in charge of the preparation of working drawings and the prosecution of construction. Regent McEnerney finally moved that it be the sense of the Committees that the Supervising Architect he not given plenary power in the construction of the Stadium. After considerable discussion of this motion, pro and con, it was withdrawn, and Regent Britton moved that a committee of three be appointed by the Chairman to interview the Supervising Architect concerning the architectural soundness of the Buckingham plan, and the possibility of his associating himself with Mr. Buckingham and with Messrs. Baker and Carpenter in case that plan is adopted.

Regent McEnerney amended this motion by naming the three members of the committee as Regents Britton, Bowles, and Foster. In this form the motion was unanimously carried, the Committee being instructed to report back at 10:00 a.m. Wednesday, July 19.

At the joint meeting of the Committees on Grounds and Buildings and on finance on July 20, 1922, Regent Britton reported for the special committee appointed at the last meeting, that a conference had been held with Mr. John Galen Howard who had stated that the so-called Buckingham plan could very probably be made satisfactory from an architectural point of view, and had expressed his entire willingness to work with Messrs. Baker and Carpenter and Mr. Buckingham, if the Regents wished him to do so, provided all the work was placed under one head. Regent Britton reported that Mr. Howard had asked for time to study the Buckingham Plan and had informed the special committee that he could not name with certainity any date on which he could report the result of his studies. Various Regents urged that there be no further delay awaiting discussion of plans but that the Regents themselves decide upon a plan and commit its execution to such persons as seem to them desirable. Regent Britton then moved that it be the sense of the Comthen entered into a discussion as to the next aten to be then, and number of the preparation of selection of a preparation of sorting dradies and the expection of continuation. Instant fancing finally moved that it be the sense of the sorting of the sense of the sorting interest that the Supervising architect be not given planar power in the construction of the St dum. After considerable discussion of this motion, are and son, it as withits and learnt interest in the construction of the state of the sense be appointed by the Oheirman to interview the amount victor concerning the arghitectural soundness of the amount ham plan, and the possibility of his associating him all with its concerning the associating him case that all of the action in the possibility of his associating him case that all of the action in the possibility of his associating him case that all on its octor

Angent is nemry emended this social by maning the three makers of the consisted as masents witton, Social, and Poster. In this fore the consisted and entire the Consisted being instructed to show back at 19:00 a.m. The stay, why 10.

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repoil committee ampointed at the left meeting, that conference had been bed inth in John Galen Cound the had thete the co-alled guardingh a min could very probably be made entirefractory from an redictional coint of viet, and had expressed his matter after a litiuates to real with lessers. There and include and in Englished in to do so, provided all the more was alseed under on had.

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desirable. Her not then then many that it has the come of the flower

mittee that the Buckingham plan be adopted; that Baker and Carpenter be authorized to act as construction engineers in them development of the engineering features of the plan, with Mr. Buckingham as consultant, and that Mr. John Galen Howard be authorized to develop the architectural features in collaboration both with Baker and Carpenter and Mr. Buckingham. This motion was unanimously carried and the Chairman and Regent Britton authorized to confer informally with the various persons concerned and to report back at 10:00 Wednesday, July 26.

At the joint meeting of the Committees on Grounds and Buildings and on Finance on July 26, 1922, the Chairman and Regent Britton
reported the results of their informal consultations with Messrs. Howard,
Buckingham and Carpenter, which did not indicate that the plan proposed
at the 1sst meeting could be carried out exactly. Regent Fleishhacker
then proposed as a modification of this plan the following declaration
of principles;

- a. This Committee adheres to its adoption of the Buckingham plan and wishes the Stadium constructed along the lines thereof.
- b. It wishes a Commission created consisting of Mr. John Galen Howard, Chairman, Mr. E. E. Carpenter, and Mr. G. F. Buckingham, to reduce the Buckingham plan to working drawings and specifications on which bids can be received, the Comptroller of the University to sit with the Commission and act as its Secretary. In case there is not unanimous agreement in this Commission, differences of opinion shall be referred to this Committee of the Regents through the Comptroller;
- c. All compensation for the work thus outlined, shall be determined by the Regents.
 - d. The Commission shall proceed only on written instructions from this Committee of the Regents transmitted through the Comptroller.

The Committee then called in Messrs. Howard, Carpenter and Buckingham singly and together and secured from each of them a statement

rittee that the Tuckin ham man be adorted: that Daker and Carporter be authorized to not as constitution and included as consultant, the engineering features of the plan, with Mr. Luckinghem as consultant, and that Mr. John G len Noward be authorized to develop the architectural features in collaboration loth with Enker and Carpenter and Mr. Tuckingham. This of ion was unanimously carried and the Chairman and Luckingham. This of ion was unanimously carried and the Chairman and Luckingham. This of ion was unanimously carried and the Chairman and Concerned and to report back at 10:00 Tatheday, July 35.

At the joint westing of the Comittees on Grounds in Luildings and on Finance on July 15, 1921, the Chair in al Regent Pritton reported the results of their inform 1 consultations with Messra. Now we duckingher and Corpenter, which did not indicate that the plan proposed at the last meeting could be carmied out exactly. Regent Fleighlucker then proposed as a modification of this plan the following declaration of principles:

- s. This Committee adheres to its adoption of the uckingham plen and wishes the Stadium constructed along the liner thereof.
- b. It wishes a Commission erected consisting of Mr. John & Jer Woward, Chairman, Mr. Corporter, and Mr. G. T. mckingham, to recome the Inckingham plan to working drawings and exectioations on high hids can be recoived, the Comptroller of the University to sit ith the commission and act as its secret my. In case there is not unsuimous agreement in this Commission, differences of opinion about the Comptroller;
- c. All connensation for the work thus outlined, shall be determined by the Regents.
- d. The Consission whall proceed only on ritten instructions from this Committee of the Legante transmitted through the Comptvoller.

 The Committee then called in Mesars, nowed, Cornenter and

nckingham singly and together and secured from each of them a statemen

that he would be willing to act as a member of the Commission under the conditions outlined. They then instructed the Comptroller to have a formal agreement drawn up by the Attorney in accordance with the principles stated above and to secure the signatures of the members of the Commission thereto.

The above declaration of principles were approved by the Regents at their meeting on August 8, 1922.

At the Finance Committee meeting on August 1, 1922, the Comptroller advised the Committee that he had secured an option upon lot two (2), Block 2043, "Map of Simmons Property" on the east side of Piedmont Place, adjoining the property of Mary B. F. Babcock on the south, for the sum of \$500. the total price to be \$6,000, payable thirty days from date. He stated that this was one of the properties required for roadways to the Stadium and which he had heretofore been instructed by the Regents to obtain. The Committee voted to recommend the purchase of the same.

The above recommendation was approved by the Regents at their meeting on August 8, 1922.

At the meeting of the Committee on Grounds and Buildings on August 7, 1922, Regent Bowles raised the question as to whether the building of the California Memorial Stadium would not properly come within the jurisdiction of the Grounds and Buildings Committee rather than the Special Stadium Committee, now that metters of finance are no longer involved and a Commission has been chosen for the prosecution of the work. The Committee discussed the matter but reached no decision.

At the joint meeting of the Committees on Grounds and Buildings and on Finance on August 8, 1922, Messrs. Howard, Carpenter, and Buckingham appeared before the Committee to discuss with them the following agreement concerning their services as a Commission on the California Memorial Stadium.

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The above legitestion of chinefples area approved by the regrets at their meeting on agast 3, 1920.

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ings on on Jingue on Jurust 8, 1992, leasts. Forard, Carpenter, and Euckingham appeared hifter the Committee to discuss with them the following agreement concerning their services as a Jornicsion on the Colifornia of the institute.

.+ the joint meeting of the Committees on Grounds and Build-

THIS AGREEMENT, made and entered into this _____ day of August, 1922, by and between THE REGENTS OF THE UNIVERSITY OF CALIFORNIA, a corporation of the State of California, party of the first part, and JOHN GALEN HOWARD, E.E.CARPENTER and GEORGE F. BUCKINGHAM, parties of the second part.

WITNESSETH:

WHEREAS, the party of the first part is desirous of coneta/
structing upon or near the grounds of the University of California, at
Berkeley, California, a certain recreation field to be known as the
California Memorial Stadium; and

whereas, the party of the first part desires said Buckingham Plan to be reduced to working drawings and specifications sufficient for inviting bids for the construction of said Stadium:

NOW, THEREFORE, IT IS HEREBY AGREED as follows:

- 1. The party of the first part hereby appoints a Commission, to be composed of said John Gaken Howard, Chairman, said E. E. Carpenter and said George F. Buckingham, whose purpose and object shall be to reduce said Buckingham Plan with such modifications as may be unanimously agreed upon by the parties of the second part, to working drawings and specifications, suitable for inviting bids for construction, and satisfactory to the party of the first part. It is expressly understood that said working drawings and specifications shall contemplate the construction of said Stadium, including the purchase of all lands necessary therefore, and all other costs of whatsoever kind or nature, at a cost not to exceed the sum of one million one hundred thousand (\$1,\$\tilde{\pi}00,\$\ddot{0}00) dollars, the total amount subscribed for said Stadium.
- 2. The party of the first part reserves the right to terminate this agreement as to any or all of the parties of the second part at any time, and each of the members of the Commission reserves

full Address. As an attress into this _______ (sy of approx, 1972, by and between full address. _______ (without a the state of Colifornia, party of the first part, and John Galla ECARD, E.E.GARDYTER and GLORGE R. Bud INGHAL respective marties.

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Halmas, the morty of the first part is desirous of controls of controls of controls of standing upon or one that remains of the University of Colifornia. A three controls of the control of the control

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a similar right so far as his own connection therewith is concerned.

- 3. The parties of the second part, and each of them, hereby accept said appointment upon the terms and conditions herein set
 forth, and agree ti use their best skill, efforts and endeavors to prepare working plans and specifications for the construction of said California Memorial Stadium according to the said Buckingham Plan, which
 shall be stitable for inviting bids for construction and shall be satisfactory to the party of the first part.
- 4. The Comptroller of the University of California shall be entitled to sit with the said Commission and advise with it and its members at all meetings, conferences and deliberations, and shall act as its Secretary.
- be unable unanimously to agree to any part or portion of the work which it shall be proposed to embody in said working plans and specifications, then any and all differences, disputes and controversies so arising shall be referred through the said Comptroller to the Stadium Committee for decision. When any difference, dispute or controversy shall so arise the Commission as a whole shall, at the request of any member thereof, have the right to appear before said Stadium Committee and in such case no communications on behalf of any member thereof without the knowledge of said Commission shall be submitted to said Stadium Committee or any member thereof without the knowledge of the Commission as a whole. Said Stadium Commission is hereby defined to be a body composed of the members of the Finance Committee and the Committee on Grounds and Buildings of the Regents of the University of California.
- 6. All drawings, specifications and models prepared by the said Committee shall be the sole and exclusive property of the party of the first part, but each member of the Commission shall be furnished with copies of all documents, plams, etc., which copies shall be the

infactor to the party of the first part.

a similar right so far as his own connection there ith is concerned.

F. The rotties of the second part, and week them, her by accept said specialment upon the terms and conditions herein set
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. The Comptroller of the University of California shall be entitled to mit with the said Commission and advice with it and its members at all mentings, conferences and deliberations, and shall act on its Secretary.

5. In the event that the members of iid Commission shall

Unable unsationally to agree to any part or portion of the control unich it shall be proposed to encode in said working plans and specifications, then any and all differences, disputes and controversion so arising shall be referred through the said Comptroller to the Stadium consistes for decision. Then any difference, disput or controversy hall so arise the Commission as a whole shall, at the request of an and in such case no communications on behalf of any member thereof without the knowledge of said Commission shall be submitted to said Stadium Commission is hereby defined to be a body consert of the members of the finance Committee and the Commission is hereby defined to be a body consert of the members of the finance Committee and the Commission consert of the members of the finance Committee and the Commission consert of the members of the finance Committee and the Commission consert of the members of the finance Committee and the Commission consert of the members of the finance Committee and the Committee on

6. All drawings, specifications and models prepared by the said Committee shall be the sale and exclusive property of the party of the first part, but each member of the Commission shall be furnished with copies of all documents, plans, etc., which copies chall be the

Grounds and Buildings of the Regents of the University of California.

sole and exclusive property of the individual parties of the second part.

- 7. The Commission shall not proceed with the work hereinabove outlined until it shall be so instructed in writing by the said Stadbum Committee through the said Comptroller.
- 8. As full compensation for their services in reducing the Buckingham plan to complete working drawings and specifications satisfactory to the party of the first part and ready for the taking of bids, the party of the first part shall pay to the respective parties of the second part such sums as it shall decide to be just, proper and in ac-. cordance with recognized professional practice, for the individual service of the respective parties. The parties of the second part and each of them hereby agree to accept such compensation. It is understood, however, that if the working plans and specifications prepared by the parties of the second part shall not be satisfactory to the party of the first part, then the party of the first part shall be under no liability whatsoever to the parties of the second part or any of them for, any services or charges of any nature in connection with the preparation of workinh drawings and specifications for said Stadium; and it is further understood that in the event that this agreement shall be terminated as hereinabove provided as to any or all of the parties of the second part then the party of the first part shall be under no lia- . bility to any or all parties of the second part as to whom this agreement has been so terminated for any services or charges in connection with said work.
- 9. The party of the first part shall have the option to engage the parties of the second part, or any of them to perform all services in connection with the construction and completion of said Stadium after the adoption of working drawings and specifications for such renumeration as it shall decide to be just, proper and in accordance

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- 7. The Commission shall not proceed with the ork hereinabove outlined until it shall be so instructed in writing by the said Stadium Committee through the said Comptroller.
- 3. Is full compensation for their services in reducing the -pite endited plan to complite orking cravings and sp pifications of the restory to the party of the first part casty for the teling of bile the marky of the first mart shall pay to the respective carties of the second nert such sums as it shall decide to be just, proper an in occordance with recognized professional cractice, for the individual service of the respective parties. The parties of the second wart and one of them hereby agree to scept such compensation. It is understood, however, that if the working alans and specifications premied by the reties of the second part shall not be altisfactory to the party of the first part, then the party of the first part shall be under no in bility, what he was to the parties of the second part or any of them for any services or charges of any nature in connection with the preparation of workinh drawings and specifications for said Stadium: na it is -vert of lieds themesage wint that this agreement shall be terwingted as herein bove provided as to any or all of the parties of the recond wart them the warty of the first part shall be under no liability to any or all parties of the second part as to whom this agreement has been so terminated for any services or charges in connection with said work.
- 9. The party of the first mart shall have the option to notice the parties of the second part, or any of them to perform all services in connection with the construction and completion of s id Stadium after the adoption of sorking drawings and specifications for such renumeration as it shall decide to be just, proper and in accordance

with recognized professional practice for such service, to be paid by the party of the first part to each of said parties of the second part whose services may be engaged pursuant to this option.

IN WITNESS WHEREOF the party of the first part has caused this instrument to be executed by its officers thereunto duly authorized and its corporate seat to be hereunto affixed, and the parties of the second part have hereunto signed their names, all on the day and year above written.

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA,
Party of the First Part,

Ву	Governor of the State of California and ex-officio President of the Regents of the University of California.
Ву	Secretary of the Regents of the University
	of California.
-	
_	
_	Parties of the Second Part.

After discussion, three members stated that they would sign the agreement as submitted.

The above agreement was approved by the Regents at their meeting of September 12, 1922.

At the Finance Committee meeting on August 15, 1922, the Comptroller as was instructed to make payment of the following bills incurred in connection with the preparation of plans for the Stadium.

John Galen Howard, final payment of the \$10,000 fee authorized at the meeting of March 8, 1922 - - \$2500.00 G. F. Buchingham, "out of pocket" expenses - - - \$441.56 Baker and Carpenter. "out of pocket" expenses - - \$245.50

th marty of the first part to each of said parties of the secon art hose services my be sugaged among to this option.

IN .IFE 233 AVIGOOP the party of the first part has council thin instrument to be errouted by its officers thereunto and quitonized and its corrorate seet to be hereunto affixed, and the marties of the eart have hereunto signed their roses, it on the day and year above written.

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ormstroller as was instructed to mak a preent of the following bills incurred in connection with the areparation of plans for the Stadium.

John Galen To and, final mayaret of the 11,000 fee authorized at the meeting of larch 8, 1932 - - \$2500.00 G. P. Imphingh m, "out of modert' expenses - - - 641.76 Baker and Corporter, "out of modert" expenses - - - 641.76

At the Finance Committee meeting of August 22, 1922, the Committee were advised that the members of the Stadium Commission had stated their inability to advance the necessary funds covering the expense of preparing the working drawings and specifications upon which they are now engaged, whereupon Regent Britton moved that a fund of \$5,000 be set up, chargeable to the Stadium funds, from which the current expenses of the Commission are to be met, the Comptroller being authorized to effect such methods of payment with respect to vouchers, etc. as he might deem advisable, and to report from time to time with regard to such expenditurers to the Joint Stadium Committee. Regent McEnerney seconded the motion and the same was unanimously adopted.

The above recommendation was approved by then Reggnts at their meeting of September 12, 1922.

This finishes the recorded minutes of the various committees appointed to get the California Memorial Stadium under way toward its completion.

Now to go back to my personal efforts in the selection of the site, the design and construction of the Stadium. As previously mentioned, I was intentioniously kept out of all stadium meetings on site, development and planning because I was so critical of the original site selected and the plan of construction. But, I was a close friend of Dean Probert so always had his ear on the various phases of Stadium development. I also became a close personal friend of Mr. E. E. Carpenter and had been a long time friend of Arthur Markwart, the chief engineer for the Pacific Gas and Electric Company, and who later advised on the Stadium project.

In the early studies on the bowl type stadium and in the final design I had the opportunity to have made (of which I am justly proud) the study and layout of the sight lines of the inside of the stadium, in other words, the slope of the inside portion of the bowl

At the Finne Journittee menting of August 22, 1822, the Journittee were advised that the members of the attack their inability to advance the necessary funds covering the expense of preparing the working drawings and specifications upon which they are now engaged, whereupon keyent Britton moved that a fund of 5,000 be set up, chargable to the Stadium funds, from which the current expension of the Commission are to be met, the Commission being authorized to effect such methods of payment with respect to vouchors, etc. as he might deem advisable, and to report from time to time with regard to such expenditurers to the Joint Stadium Committee. Regent Tolmerney seconded the motion and the same was unanimously aborted.

The above recommendation was approved by the degents at their meeting of September 12, 1922.

This finishes the recorded minutes of the various committees specialte to get the California Memorial Stadium under way toward it.

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In the early studies on the bowl type stadium and in the final design I had the opportunity to have made (of which I am justly proud) the study and layout of the sight lines of the inside of the stadium, in other words, the slope of the inside portion of the howl

of the stadium. From my studies, all seats in the California Memorial Stadium are good seats as to view of the game and the playing field.

From my previous experience with old California Field I laid out the drainage system of the field and the crowning of the playing surface.

Volumne XIV, No. 11, October, 1921, the Stadium Number of the California Alumni Monthly is devoted entirely to the proposed California Memorial Stadium. In this number, the Alumni Council pledges support to the Stadium campaign. There are articles by President David P. Barrows, Dean Frank H. Probert, Comptroller Robert G. Sproul, University Architect John Galen Howard, and Andy Smith, the California football coach. In this number are comparisons with other University stadiums, such as the Harvard Stadium with a capacity of 42,000, built in 1904 and measures 570 feet by 420 feet; the Yale Bowl, with a seating capacity of 62,000, oval in shape, with the field 300 feet by 500 feet and is 27. feet below the level of the surrounding land, with dimensions overall of 750 feet by 900 feet and covering 12,5 acres; the Ohio State University Stadium, U-shaped to seat 60,000 and which will cost more than \$1,250,000; Stanford University Stadium, with the floor of the field . 23 feet below the surrounding land and the top of the embankment 36 feet above the present ground level, the field measuring 562 feet by 355 feet. and containing a quarter mile running track with a 220 yard straightaway through the open end at the southeast corner, with a seating capacity of 61,000, costing about \$210,000 and constructed in 1921 by Palmer and McBride, contractors; The Palmer Memorial Stadium at Princeton, erected in 1914 with a seating capacity of 42,000, a total length of 652 feet and a width of 320 feet; the University of Illinois Memorial Stadium, with a seating capacity of 75,000 and costing about \$2,500,000.

A look at the map showing the proposed California Memorial Stadium on page 307 of the October, 1921 number of the California Alumni Monthly shows that the proposed stadium would allow very little room

of the stidium. From my tudies, all ests in the California Lemorial Stadium are good sents as to view of the grow and the flaying field.

From "v provious errorience ith old California Riold 1 1 id out the drain se system of the field and the errorience.

Volumne LIV, 10. 11, October, Field the Studium Lurber of 'ie Californi Alumni Yonthy i divot d mairely to the proposed California menorial of dius. In this author, the Alami Council places aupport to the Strains or arain. There are enticles by Irreitent David L. Berens. Dean Trace H. Probert, Josephneller Robert J. Sproul, University and itec' John Gal a foward, at andy smith, the Orlifornia footbill coach. In this numbers are comparisons with other University steamers at the the Harvard Stadium ith a capacity of 43,000, built in 1904 and .earure 577 fe t by 430 feet; the Yale Bowl, ith a seatin; capacity of 12,000, oval in shape, tit the firld 300 feet by 500 feet and in 17 float ve rooise with diw , bast market nerve of the level and, with dim maiour over 11 of 7:0 feet by 900 feet and covering 12,5 acres; the Dhin St.te Univreity atcling, U-sh. bus to seet 60,000 and high ill sost more than 1,250,000; starford University stadium, with the Took of the Tielf 23 feet below the currounding lend and the top of the embendant 36 feet above the present resund level, the field a sauring 562 feet by "55 feet, and containing a quarter mile running track with a 220 yard straightaway through the open and of the southeast corner, with a nesting orpcity of 51,000, pating about 210,000 and constructed in 1911 by 101mr and corid, contractorn; "in In r marial of diam at Frinceton, excepted in 1914 ith a menting correity of 43, age, a total length of 65. feet and a mith of 300 feet. the University of Illinois Memori 1 stadinn, ith a sesting osproity of 75,000 and nosting about 10,500,000.

100k at the man showing the proposed California Lonorial

Straign on page 207 of the petaber, 10 1 armer of the California Alami onthly shows that the proposed stadium could allow very little norm outside of the stadium walls for circulation of spectators. (This is one of the points that the writer kept pointing out to the members of the various stadium committees).

In addition to the making of the detailed surveys for the . Stadium site, I placed one of my staff on full time for the field layout and inspection during the entire construction.

The resident engineer on the jeb was a Dan Ormsby.

the Stadium job were not later to me, as I had worked with them and their engineer, Mr. Alberts, when they were constructing the San Pablo Dam for the Peoples Water Company in 1909. In later years, in 1930, when I was the engineer for the Bear Gulch Water Company, owned by The Regents of the University of California, and was raising the earth dam for greater storage capacity, I employed Mr. Albert o supervise the earth work construction on the dam, as I knew that it would be done properly.

In the design of the Stadium, a 4-foot diameter circular concrete culvert was to be installed under the Stadium fill and field to carry the waters of Strawberry Creek and other drainage of the canyon.

When it became impossible to get the delivery of the prefabricated concrete pipe, it was decided, in order not to hold up the work to install a concrete culvert section in place, so a George Howson, an engineer in Mr. Howard's office in San Francisco, (also, I believe a nephew of Mr. Howard's) redesigned the culvert to an oval section, I believe, 4-feet wide and 3-feet high. I critized the design of the culvert as being inadequate in size to carry flood flows from Strawberry Creek, but my advise was not heeded. I knew of what I was arguing for as I was the one who, in 1907, designed and had installed the weirs in Strawberry Canyon, just below the present Poultry Station, for the measuring of the flow of Strawberry Creek throughout the year. I had designed and

installed the recording clock mechanism for recording and measuring the

outrid of the stadion calls for since of tion of the list one of the noist or the listing out to the listing of the virious stadius so ittees).

In addition to the asim, of the detailed surveys for the attrium site. I at one of my staff on full till for the field ty-out inspection uning the mitty construction.

The resident engineer on the job was a Oan Orray.

the fire of Jotes and bord on the eresystion contractors for the stadion job or not became to see a land sorted ith them and that the environment, in Alb rts , her they are constructing the 3-n Lablo Labor the teoples 'ster Company in 1208. In the rears, in '3 0, that as the entire r for the Bear Sule's attended, and by The John of the University of Californi, and the earth dearfor the earth of the earth of the continuous cristorage are city, a marloy of the that to supervise the earth nor construction on the dam, as a lare that it sould be soon properly.

In the derivative was to be installed under the obtained fill and field to care the ters of obtained under the obtained of the campon. The it became impossible to not the delivery of the refabriested concrete rise, it is decided in our rand to hold use the work to inected in our rand to hold use the work to inected in our randition in place, so a George Rowson, so care in Tr. We said a office in fan Transisco. (also, it is negleted as a first that the and Select that the culvert to an over a cotion, I believe, or increased and the culvert as the culvert as being the analyse was not helder. I amende the design of the culvert as a devise was not helder. I amende the two arguing for as I was advise was not helder. I amende the two arguing for as I was the one who, in 1997, design the holder, which in the reserving of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of the file of the hearty Ories hand the measuring of

installed the recording clock n chanism for recording at measuring the

height of water flowing over the weir, from which the flow of water was calculated. The measuring recorded was made by Valdemar Amntzen of the Civil Engineering Testing Laboratory. The mechanism was clock driven of water heights by a Seth-Thomas eight day clock and the record/was inscribed on a chart wrapped around the 8-inch diameter cylinder. I looked after the weir and the records and calculated the flow thus recorded for about seven record of years. The/stream flow from Strawberry Creek was needed in the studies that were being made under the direction of Professor Charles Gilman Hyde of possible water storage and yield of Strawberry Creek if a starage reservoir were constructed.

I had also designed the culvert in 1910 which carried the waters of Strawberry Creek under and around the Men's Swimming Pool. This culvert was oval in shape, 3-feet high and 5-feet wide. It was adequate in size for its location upstream from the Stadium and was on a greater slope or grade that that which could be obtained under the Stadium.

The design of the culvert under the Stadium by Mr. Howson was faulty as some years after the construction of the Stadium, it began to fail because of the excessive weight on it. As University Engineer, I saved the culvert from failure by installed additional reinforcing steel on the sides and placing a layer of cement gunite over the sides and bottom. This reduced the cross section or area of the culvert and thereby its carrying capacity. I have always been concerned about the adequace of the culvert in case off excessive rains and stream run-off.

When the fill on the east rim of the Stadium was near completion, I started plans in my office for an extension of the culvert upstream. I had plans to complete the fill between the banks of Strawberry to Creek from the Rimway Road of the Stadium and the level of the Men's Swimming Pool, which, when filled, would provide many acres of land suitable for playgrounds, tennis courts and the like. This field would have a grade, from east to west, of about 1 per cent (1 foot per 106 feet).

h i ht of witer flowin; over the weir, from which the flow of at reward calculated. The measuring recorded was nade by Valdemar Ametran of the Civil harineering Testin. It boratory. The medanism was clock friven by a seth-Thomas eight day alock and the record/was inscribed on a chart wrapped around the 3-inch disaster cylinder. I looked after the veir and the records and calculated the flow thus recorded for about seven record of the flow from Strawberry Creet was needed in the studies that were being made under the direction of Professor Charles iil of the obserbed of the store and yield of strawberry Treek if a storage of cosmible was respectively.

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Streem. I had plans to complete the fill between the banks of Strawberry Creek from the Rimmay food of the Strainmark the Level of the Len's Simming Bool, which, when fill a, would provide many acres of land suitable for all prrounds, tennis courts and the like. This yield would have able for all prounds, tennis courts and the like. This yield would have a grade, from east to west, of about 1 per cent () foot per 188 feet).

The construction of the necessary culvert was done in three contracts as the fill was made and mobey was available. It connected with the existing culvert under and around the Men's Swimming Pool. For many years, I had written in the construction contracts on the Berkeley Campus that all surplus material from excapation was to be placed in the fill in Strawberry Canyon, east of the Stadium. Thus over the years, space was being made to be used for playgrounds, intramural sports, tennis courts and the like. I never got any support from the Administration for the development of tennis courts or playfields. I was continually advised that funds were not available for such development, that if it were done, it would be necessary to have suitable housing for dressing rooms, showers, toilet facilities and supervision. Some years later (1930) (now known as Sproul Hall) when it was b decided to construct the Administration Building/on the east side of Telegraph Avenue and the University shops had to be removed from the site, they were moved to the area east of Rimway Road in Strawberry Canyon, an ideal location for them, as they were close to the campus and yet away from the Academic Buildings.

Attached herewith is a copy of "The Story of the Stadium" writter by William Henry Smyth. Bill, as I got to know him lived in the old house or mansion on the Smyth Tract, north of Dwight Way and east of Hillside Way, only a few blocks from the Stadium construction. He was an engineer and followed the construction very closely. His articles on the Stadium construction are most interesting. At the bottom of the title page of his article or story is "California Memorial Stadium," In memory of Californians who gave their lives in the World War", 1914-1918. These words are in bronze letters on the north side of the west entrance of the Stadium at field level. They follow my words when I first took The Regents to view the site in December, 1921.

When study of the stadium construction started I called to the attention of the engineers, the line of the Hayward Fault, which crosses

is contration of the essery oulvert was no the contract; as till as made and maker or lable. It connected the tack to in rulyert under and round the 'en's swimming rool. For many years, I had ritten in the construction contracts on the Berkeley Campus that ell curplus "iterial from exception was to be placed in the fill in stramberry Canvon, east of the Stolium. Live over the years, so, or was being I to be und for slryground; introvers snorts, to sis courts The like. I were not any one ore from the willingstration for the ha ivia vilgentian of a . bleivele to source of a t to to tol voi erew it li tedt .turrelevel deus ro' eldeliver ton erew a'un' + dt cope, it would be necessary to have suitable bousing for dressing cores the oru, to bet fightion and our revision. Jose years letter (""") The lucion to those mon's in it is decided to construct the claim tradition of the and also of Telegraph we must be University hour ind to be resoved on the rite, they were moved to the reservet of dinray Ro d is otr werry Cenvon. In ideal location for them, athe vers close to the

Ittached here ith i. a copy of "he story of the stiller Tenty." It is a I got to show him lived in the old house or ann ion on the sayth Trot, north of Dight May and earth of Dight May and earth of listed for, only to block from the obadium construction. He was an arineer and followed the continuous very closely. His criticles on the stadium construction are most interesting. At the hottom of the title made of his criticle or story is "Salifornia "smort I stadium, "In new orm of California no the greet lives in the forly or", 1916-1912. These more are in bronze letters on the north eide of the west norms of the story to view the site in December. They

error and wet a my from the Academic buildings.

Then study of the stadium construction started I called to the

in a northerly-southerly line at the west side of the Stadium walls. I had become familiar with this Hayward Fault when it was crossed in the driving or digging of the Lawson Audit, east from the Hearst Memorial Building, and again when James Sutton was excavating for his home at the corner of Panoramic Way and Bancroft Way (Canyon Road). In the construction of the west concrete wall of the Stadium two expansion joints were made in the wall, one about 10 feet north from the line between sections C and CC and one about 10 feet south of the line between sections H and HH. These expansion joints extend the total depth of height of the west wall of the stadium. This Hayward fault runst through Bowles Hall at about the center of the west wing. In the original layout of Bowles Hall by Mr. George Kelham, the building was located further west than the present building, but when surveying the site for the building I moved it easterly so the fault line would not pass through the center of the building.

Back again to culverts. Three contracts were entered into for the three sections of culvert east of the Stadium culvert. The last contract was with P. M. Henning, a contractor of Oakland, for 270 feet of culvert connecting with the culvert under and around the Men's Swimming Pool at a cost of \$3,579.40. Manholes rising to the grade at the surface were constructed at each end.

Later, in 193_another section of culvert was constructed from the west end of the culvert under the Stadium to connect with the culvert under College Avenue. With the construction of this culvert, it allowed filling in of Strawberry Creek and the extension of Piedmont Avenue northerly.

As this fill was being made in the early 30's, I strongly advocated the construction of an underground automobile parking area under the fill east of Piedmont Ave., which now would be located under the so-called Kleeberger Intramural Field. I still believe this project of an under-

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ground parking field is sound and should be constructed. It would be found to be most useful and economical. Why don't the University authorities do it?

I personally designed and supervised the construction of the playing field of the California Memorial Stadium. From my experience with the drainage of the playing field of old California Field in 1908, I crowned this playing field about 10 inches along the longitudinal and transverse axis. I have always been an advocate of adequate surface drainage for roads and large field areas. Firstly, the base was graded and crowned 10 inches and then from 8 to 10 inches of sandy loam soil obtained from an area in the east portion of Alameda and then several inches of well rotten manure placed on top. Four-inch agricultural drain tile was installed in trenches about 20 feet apart and graded to the edges of the field to a collecting drainage system which carried any water to outlets emptying into the culvert under the Stadium field. After careful grading of the surface, the following grass mixture was spread and raked in, comprising 30% Golf-o-lawn, 30% Chewings Fescue, 15% Blue Grass and 15% Red Creeping Fescue. This mixture of grass seed was recommended by Harry W. Shepherd, assistant professor of Landscape Design on the Berkeley campus. After seeding, the field was covered with about one inch of well rotted manure. Other mixtures of grass seed has since been used when the playing field has been worked over. spring of 1927 Mr. Jacks, head gardener at the Berkeley campus, reseeded the playing field with the following mixture of see, 50% rye, 17% agrostis stallinefera, 17% blue grass or red top, and 16% alfens fescue.

The purchase of lands for the Stadium included eight parcels totaling 3.684 acres, in addition to the two parcels of land already owned by the Regents of the University of California. These lands were purchased from funds from the California Memorial Stadium Fund and Associated Students of the University of California. The lands acquired

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 comprise the following:

- (1) an irregularly shaped parcel on the east side of Piedmont Place with a frontage of about 100 feet, deed from Charles J. Fee, dated Oct. 14, 1922 and recorded Oct. 21, 1922 in Book 268 at page 394 of Official Records of Alameda County, and comprising 0.464 acres.
- (2) a rectangular parcel on the east side of Piedmont Place with a frontage of about 54 feet and a depth of about 105 feet, by deed from Charles J. Fee, dated Aug. 26, 1922 and recorded Aug. 30, 1922 in Book 229 at page 459 of Official Records of Alameda County, and comprising O.lll acres.
- (3) and irregular parcel on the east side of Piedmont Place at the end of Piedmont Avenue, with a frontage of about 106 feet, by deed from Mary B. F. Babcock and Allen H. Babcock, dated Oct. 25, 1922 and recorded Nov. 21, 1922 in Book 310 at page 290 of Official Records of Alameda County, and comprising 0.10 acres.
- (4) and irregular triangular shaped parcel of land with a frontage of about 220 feet on the east side of Piedmont Avenue and a depth of about 240 feet, by deed from Anson S. Blake and Anita D. S. Blake, dated Mar. 20, 1922 and recorded Mar. 27, 1922 in Book 178 at page 178 of Official Records of Alameda County, and comprising 0.542 acres.
- (5) a rectangular parcel of land with a frontage of about 105 feet on the east side of Piedmont Avenue, and an average depth of about 215 feet, by deed from Edwin T. Blake and Harriet W. Blake, by deed dated Mar. 20, 1922 and recorded Mar. 27, 1922 in Book 192 at page 93 of Official Records of Alameda County, and comprising 0.860 acres.
- (6) a rectangular parcel of land with a frontage of about 95 feet on the east side of Piedmont Avenue, and an average depth of about 370 feet, by deed from Harriet W. Blake, dated Nov. 20, 1922 and recorded Mar. 27, 1922 in Book 157 at page 246 of Official Records of Alameda County, and comprising 0.355 acres.

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- (7) a rectangular parcel of land at the north end of Prospect Street, approximately 100 feet by 150 feet in size, from Marthe Sherman Day Stringham, by deed dated Nov. 1, 1922 and recorded Nov. 18, 1922 in Book 296 at page 270 of Official Records of Alameda County, and comprising 0.355 acres.
- (8) a rectangular parcel of land west of parcel 7 approximately 116 feet by 150 feet, by deed from Harriet Day DeWitt, Martha Sherman Bacon, Roland I. Stringham and Martha Sherman Day Stringham, by deed Nov. 1, 1922 and recorded Nov. 18, 1922 in Book 330 at page 72 of Official Records of Alameda County, and comprising 0.412 acres.

The total of the above seven acquisitions is 3.684 acres of land.

Drill Field and Practice Baseball Field.

In 192 the area between the east side of Oxford Street and the west side of the Agriculture group of buildings and between the south side of Hearst Avenue and the north side of the Eucalyptus Grove was graded. This area became the drill field for the University R.O.T.C. A practice baseball field was constructed in the southeast portion of this field, and was also used as the Freshman football practice field. This field superseded the old baseball field east of the track and east of the eucalyptus grove.

Varsity baseball games and practice were held in old California Field. When the California Memorial Stadium was completed in 1923, varsity baseball games were held here. When the Edward's fields were completed in 1932, all baseball games were then held here.

TENNIS COURTS

Ten tennis courts were constructed about 1912 and located north of Bancroft Way and west of College Avenue for about \$22,100. About 1918 the writer had these tennis courts resurfaced with asphalt and at the same time gave these courts better surface drainage and also installed higher fences around each court.

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A single tennis court was constructed about 1905 and located northwest of North Hall.

A single tennis court was constructed about and located west of the President's House. This court was used often by President Robert Gorden Sproul when he lived in the President's House.

About 1934 four tennis courts were constructed under the writers design and supervision in the area just west of the original courts north of Bancroft Way for the use of women students. It was fortunate that these tennis courts did not interfere with the construction of the Hearst Gymnasium for Women.

About 1934 four tennis courts were constructed under the writers design and supervision in the area at the north end of the Edwards Field Track.

For several years the writer advocated the construction of at least six tennis courts on the vacant property acquired by the University between Bancroft Way and Durant Anevue and between College Avenue and Bowditch Street and across the street from the Women's Gymnasium.

But these requests were turned down by the University authorities and the area leased for an auto parking lot.

In the middle thirties the writer suggested that the University acquire lands between Bancroft Way and DurentnAvenue and between Fulton Street and Ellsworth Street for the development of temnis courts until such time that the University may need the lands for academic buildings. This suggestion of the writer's was nor carried out when the properties could have been purchased at relatively low prices but in recent years these lands have been acquired and is now used for automobile parking.

I am still of the opinion that more tennis courts should be available to the students. When the University Shops were moved from their location just east of the Rimway Road opposite the California

A single tennic court was constructed about 1905 and located northwest of North Hall.

A single tennis sourt was constructed about and located vs t of the president's love. This sourt for used o ten by sresident to be the proof of the

About 1924 four tennic courts were constructed under the critical redicts and supervision in the area just vest of the original ourts north of langroft way for the use of some students. It was sortunate that these tennic courts did not interfer with the construct-

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I am still of the ominion that more tennis courts should be awailable to the students. Then the injuryaity along were moved from their location but east of the vigway and ornosite the California

Memorial Stadium to their new site at Milvia and Carelton Streets in Berkeley, the area formerly used by these shops and adjacent areas to the east were developed for student recreation facilities, including swimming pools and tennis courts and automobile parking. This development was made possible by bequests from the Heller's and the Stern's.

SWIMMING POOLS.

Before the construction of the Men's Swimming Pool in Straw-berry Canyon on 1910-11, those students who liked to swim had to go to the Oakland or Berkeley Y.M.C.A's or to the Alameda beaches or even to the San Francisco Bay near the end of University Avenue. I personally had often gone to the end of University Avenue with James Schaeffer, Gus Vollmer, Joe Mills, and others for my swim.

The Strawberry Canyon Pool became very popular but was formen only. This pool was discontinued about 1935, when the three pools in the new Men's Gymnasium became available.

In the fall of 1911, the writer designed and supervised the construction of a swimming pool for women on the area just north of old Women's Gymnasium. The water of the pool was filtered through a rapid sand filter and was also sterilized with disinfectants. This pool was discontinued about 1930.

The Strawberry Canyon pool for men and the College Avenue pool for women seemed to suffice until the construction of the Hearst Gymnasium for Women's where three pools were constructed and the construction of the Men's Gymnasium in 1931 where two pools were provided.

With the assistance of Ernest Brandsten, the caretaker at the Men's Swimming Pool in Strawberry Canyon, and an Olympic high diving champion, the writer designed the adjustable diving stand and board which later became the intercollegiate standard for diving boards.

Perpri 1 Stadium to their new itent ilvirind Cirelton Street; in derkelsy, the are formerly used by there shows and adjacent areas to the east vere developed for student recreation failities, including writing pools and tennis courts and automobile writing. This development was made mossible by bequests from the Heller's and the delical otern's.

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en's Simming Ingling Strawherry Janvon, and an Olympic high diving thamnion, the writer designed the adjustable diving stand and board which later became the intercollegiate standard for diving boards.

My file on Athletic Fields and Equipment at the University of California include the following items:-

- 1. Complete file of Regent's minutes on the selection and development of the California Memorial Stadium.
- 2. Grass mixture for twrf inn the California Memorial Stadium by Harry
- W. Shepherd, and by Mr. Jacks, foremen of landscape work on the campus.
- 3. Athletic Field Development (Running Track) by A. G. Spaulding & Bros. dated Sept. 5, 1928.
- 4. Layout of Running Track for George C. Edwards Field.
- 5. Book on Alympic Games, Stockholm, 1912 (from Ernest Brandsten)
- 6. Swedish Book on Track Sports, 1910 (all in Swedish), from E. Brandsten
- 7. Swedish Book on Olympic Sports, 1912, from Ernest Brandsten.
- 8. National Collegiate Athletic Association Track and Field Official Handbook, 1935.
- 9. Tennis Courts for all year sport, prepared by Portland Cement Association.
- 10. Report by E. B. McDonald, Superintendent of Grounds & Buildings at Stanford on the Construction of Angel Field.
 - 11. Typical letter by Herbert B. Foster re-construction of Running Track at George C. Edwards Fields.
- 12. Letter by Herbert B. Foster to Games Committee and Referee of National Collegiate Athletic Association, Berkeley, June 7, 1937, reverification of measurement of field and track.
- 13. Layout of athletic ftelds, various courts, hurdle design, pits for shot put, hammer throw, etc., baseball field layout, layout at plate, badminton, tennis volley ball, etc. courts, etc.
- 14. Notes from Mrs. Chita Fry re-notes on California Memorial Stadium development.

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- 1. Complete file of Regent's inutes on the selection and development of the C lifornia emorial otadium.
 - e. Grass ixture for turf in the California morial Studium by the
- . Shemheri. in' by hr. Jack, foreman of Ludscan work of the carris.
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 - . Layout of amning 'mac's for Beorge S. Lemman El Mis.
 - . Book on altric fare, Stockholm, 1012 ('no mest Engalster)
- - 7. 3 edi n Boot on Olympic Sporte, 1.18, from um at Brandaten.
 - 2. Jational Collegiste Athletic Association Track of Field Official Landbook, 1935.
- 9. Tennis Sourts for 11 year mort, eregard by Fortland Calent A nonis
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