Present Conditions at Johns Hopkins University



CARROLL MANSION-OFFERED TO JOHNS HOPKINS AS A NEW SITE.

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was a post-graduate institution I knew and there my information ended. Therefore, Richard Harding Davis." I and my good friend, Thomasina-best of evitably to Monument Square, center and soul of the venerable city's life. Stroll- deed! Shades of Johns Hopkins! ing up Monument street in search of an approachable person to direct us to the of Baltimore's population more's men were young. Not a petticoat Haupt of Polychrome bible fame, Thomasina

ing her second-best smile, accosted a naries," big audience halls, and splendid youth in a doorway with "I beg pardon, but reading rooms, we prowled, and so came can you direct us to Johns Hopkins?"

"Ladies," he replied, his eyes twink- the Chemical laboratory. ling irrepressibly as he lifted his hat,

"you're right in it." "What - where?" gasped Thomasina, wheeling to look about her. Big, dull, red brick buildings with round, brownstone arches, stood flush with the sidewalk on both sides of the street. The youth indicated these and including vaguely all points of the compass, replied: "Oh, all means the least important part of the uniabout here. Were you looking for anything in particular?"

were looking for a university," quoth Thomasina with repreachful em-"We thought these were the Young Men's Christian association. Where is your campus? Where are your dormitories? Where are your Greek Letter so-

"Well," he said slowly, "the campus used to be at Clifton, about two miles northeast of here. There isn't any any more. There aren't any Greek Letter so-

Thomasina shrugged her shoulders with what-do-you-mean-by-it expression. "How do you know your buildings apart?" she demanded.

"We don't," said the young man imperturbably, "except by situation." Herewith he pulled out and handed to Thomasina a pocket university directory, bowed and went his way.

"Gracious!" gasped Thomasina with a shiver, "to think of stumbling into Johns Hopkins without knowing it! Let's get

right out of this university." More easily said than done. We tried Garden street and Ross street, only to encounter windows lined with rows of bottles, with male heads bent over them. Howard street and little Ross street were still collegiate. "The idea," sniffed Thomasina, "of a university all tangled up with a city in this unprincipled fashion! Where are the immemorial elms, the antiquitythe atmosphere?"

"Antiquity in an institution just celebrating its twenty-fifth anniversary? Nonsense!" I protested. "As for atmosphere, if you should step inside that chemical laboratory you would find plenty of it." I was wrong, for approved ventilating hoods and flues have made Johns Hopkins' chemical laboratory the least sulphurous in christendor. But how was I to know

Arrived in our peregrinations at the door of McCoy hall, we went in under the carved Romanesque archway, to the office of the president. Having held the chair of chemistry ever since the university opened. Dr. Remsen has not relinquished it even now when the whole burden of the institution has fallen on his efficient shoulders. But you never would have fancied him a busy man as he settled down to consider

our case. He suggested that we make the for "Hopkins graduates as professors in UMORS of an approaching quarter- grand tour of the buildings, seeing Johns the colleges and universities of the land." centennial celebration at Johns Hopkins with our own eyes. So, provided Hopkins university determined with a sheaf of cards of introduction, we mixed up confusingly with the weather me to go and see what manner were bowing ourselves out, when Thomof place it might be. That it asina, hitherto becomingly silent, raised her that it was preposterously learned. But "that your most distinguished product is

The president strangled a smile, murmurmy confusion. Richard Harding Davis in-

The charge of the architectural barreness we retracted in the shining oaken coruniversity buildings. We caught a glimpse said she never had supposed he was real. It was Thomasina, of course, who, wear- Through literature and language "semiagain to the street, and over the way, to

> The professor who showed us through said it was not a show laboratory; and perwas not. But light, air, working space, water power, and electricity were un-stinted. As for apparatus they have everything that's to be bought, and also some

Thomasina, whose idea of chemical ex periments was confined to brief operations. ending in a pop and a mess, was overawed by the scope and seriousness of the delicate weight in a very particular piece laboratories, where graduate students were industriously transforming themselves into Ph. Ds. The infinite patience which keeps man pegging away for a tweive-month upon one circumscribed investigation, with died, made his marvelous photographic map the chance that in the end they may write of the spectrum. A whole year he spent over against his work, "Results purely negative"-was beyond her ken. I am afraid plates, before ever the work of making she joggled out of a half hour's work a negatives was begun; three years it took Ph. D., who doing delicate chemical weigh- him to complete the series of maps, the thousandths of a gram termining with the help of a beautiful balance and little fish-scales for weights which would the professor put into her hand a little be disqualified for immediate use by the three-inch box, telling her to open it. She moisture of your finger-tip. He gravely did, and almost dropped it in her surprise. took the temperature and consulted the barometer before he went to work, proceedings which we were inclined to regard a huge joke. But it seems he meant it, there being a difference between cultnary and chemical standards of exactness. Our guide told us that many a time when set in motion again the rumbling city carts, ing is a polished concave square of tin and sending disconcerting vibrations through his lead alloy, scored with absolutely parallel delicate instrument, and putting a period to exact work. That's the price Johns Hopkins pays for her city site.

We said we would like to see some practical results of so much pure science and to know what becomes of the pure scientists turned out by Johns Hopkins every year. In response they showed us a series of books full of samples of beautiful rainbow hued cloth. Those colors, or rather the dyes which make them, they said, are the result of the sweat of the chemists' brains. They mean the most abstruce mental operations, the most strenuous jug- ruling engine, it is still difficult to get diaof unthinkable atoms in space. The blg scratching. So there are still many spolled German dyers have in their employ doz- gratings, and good ones come high. We ens of illustrious doctors of philosophy wanted to see the wonderful machine at make Johns Hopkins more than ever su-

We found the geological laboratory

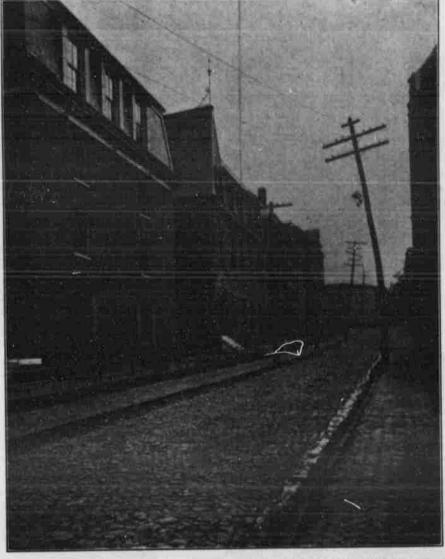
bureau and the Maryland geological sur-That is because Dr. Clark, director voice. "I believe," she said distinctly, of the laboratory, is also clerk of the weather and chief of the survey. Advantage in plenty accrues both to university and state from this partnership. The stutraveling companions-betook ourselves to ing something courteous about the "point of dents get between three and four months Baltimore. Our first walk brought us in- view." I bolted into the passage to hide of actual field work every year and earn a little money. The state, on its side, gets the unpaid labor all winter of a body of thirty or forty trained men. The university values the relation, too, for the clase touch university, we came to the conclusion that ridors of McCoy hall, newest and finest of it gives with the people. Geological hunting parties scrape acquaintance with the were men and that nine-tenths of Balti- en route of the leonine head of Prof. Paul farm folk, and the department's function as identifier of "specimens brings them into relation to all sorts and conditions of

Wonder tales came true inside the physical laboratory. We saw a solitary worker spinning crystal thread finer than the most attenuated cobweb. Fusing two bits of quartz in a Bunsen flame, he suddenly drew them apart. Holding the delicate thread, haps from the standpoint of pure beauty it spun between the crystals, in the flame, he blew it across the room. The filament scarcely visible, was not fine enough to suit the student, so he fastened one end of it to a little arrow, fitted it to a bow and shot that isn't for the machine shops are by no it at a target. Capturing the delicate thing, so fine that it now floated in air, he made it fast to a glass frame and scrutinized it critically against the light. Behold, there were flaws in the filament and he began all over again. He wanted it to suspend a work going on in dozens of little private of apparatus. It must be fine enough, long enough, strong enough and totally without inequalities. We left him still juggling.

Down stairs they took us into the darkroom where Dr. Rowland, who has recently in testing preparations of photographic most exact in existence. Thomasina was beginning to look distinctly bored, when The little box contained a sublimated rainbow, as pure and as melting as the verttable "bow in the sky" and infinitely brighter. It was one of Dr. Rowland's famous diffractions gratings-shame to call so beautiful a thing by so unbeautiful a name! Nowhere save at Johns Hopkins he had important experiments in hand he are these perfect gratings made; for nohad worked with the balances through the where else in the world are there instrudead of night, till the clock, striking four, ments exact enough to make them. A gratscratches, absolutely the same distance apart, and 20,000 of them to the inch. A slip of one-millionth of an inch, and there are "ghosts" in the spectrum-the grating is worthless.

Thomasina, holding the blaze of color in her hand, said she thought she would take one. "Certainly," said the professor gravely, "have you a \$100 about you? The

university sells them at cost price." We gasped, and the professor hastened to explain that while Prof. Rowland succeeded in making a perfect screw for the gling with the relative geometric positions mend points the right shape to do the those to the West Indies, which have been who think in colors, determining by their work. The professor healtated. It seems periatively the place in all America for machinations with coal tar the hues in the thing is so delicate that it is kept in original research. They told us that they which society shall array itself from gen- a vault at constant temperature. The ad- are always loaning to other institutions eration to generation. That is one of the mission of our little vital furnaces might volumes of the rare old technical journals many commercial fields open to the the- raise the thermometer and spoil a grating of which they have complete sets. We oretical chemist. Most Johns However, just for a second, he let us in asked if there was not danger of losing and the beggar, "but men, however, go to satisfy the demands There was the machine, working under them. "But," said they, repreachfully, toucher by profession."



ADMINISTRATION BUILDING AND SO ME OF THE LABORATORIES OF JOHNS

one cog; the screw turns a fraction of a get what he wants." That is Johns Hop-revolution, carrying the polished metal kins all over. Given a really adequate enwhich is to be a grating forward an imper- dowment, and along lines of research at ceptible bit; the diamond point passes over least, everybody will always "get what he it, leaving a scratch, So on, until, if no wants." MARY BRONSON HARTT. it, leaving a scratch. So on, until, if no wants. accident befalls the diamond point, a perfect grating is brought forth.

Everybody said we must see the Medical school, so one fine day we made the trip to East Baltimore to Johns Hopkins hospital and the medical laboratories. They are very proud of their medical school, partly for a turn. because it is still so new that the other institutions of the land haven't had time to copy it. In other matters of research they have set the pace for the whole country, and now their imitators are saying, "Why are not we as good as Johns Hopkins?" But the Medical school, with its requirement of a college diploma for admission, is still head and shoulders above competition. Harvard, indeed, has this year followed suit. The rest are yet to follow. Besides the obvious advantage of its postrequirements, Johns Hopkins' Medical school is blest in the unusual relation it bears to Johns Hopkins' hospital. Although on separate foundations, the institutions are practically one. Two of the laboratories are on the hospital grounds. The superintendent of the hospital and many of the staff are members of the medical faculty. Students work in the wards, attend clinics, serve in the dispensary. Practically all the instruction of the fourth year, and much of that in the third, is given blessings in disguise. in the hospital. Woman is permitted to squeeze inside the medical school, because lives to tell the tale he generally tells it in the endowment of the Woman's Memorial after years on the least provocation. building was mi

So much for the visible Johns Hopkins. I cannot close without speaking of less concrete things. In its twenty-five years of the many previous races won by the hare. existence Johns Hopkins has by its insistence and original research changed the very complexion of American university education. Its press has maintained marly a dozen technical journals of the highest type. As it stands looking into its secondquarter-century, there is hope that it may soon change its adequate, but unmonumenhousing for an architectural setting worthy of it. Mr. Wyman of 'Baltimore stands ready to give the university a magnificent site on Peabody Heights, if only \$1,000,000 can be raised to go with his gift. The money is a little slow coming, but it will surely come. And when the university is built there will be no mistakes. Johns Hopkins has built its present shell, layer by layer; it knows precisely what it wants and how to get it. It will not expand its undergraduate department. The authorities have no wish to see the serious graduate student body swamped into a horde of irresponsible, prank-playing undergradu-They prefer rather to smother the spirits of the undergraduate in academic gloom. They will, it is safe to predict, indulge again in scientific expeditions like intermitted for lack of funds; they will add to the university extension courses; will

A thousand-toothed wheel revolves "there is more danger that somebody won't That is Johns Hop-

Pointed Paragraphs

Chicago News: Youth has ideals; old age has ideas.

A man on top of the wheel doesn't care

A girl's love for pickles doesn't necessarily sour her disposition.

Woman grows old about as gracefully as she climbs out of a hammock.

Few rich men with poor relations believe in the art of healing by touch.

Repartee either makes a man's reputation or causes him to lose his job.

For some unaccountable reason the amateur vocalist never loses his voice.

Compositors must be jolly good fellows,

for they are always setting 'em up. With her first engagement ring a girl

imagines life for her has just begun. When a man starts for a dentist's office

he usually strikes a tooth-hurty gait. A young man may be as bright as a dollar, but some girls would rather have

the dollar. If the average man knew what was best for him there would be less said about

When a man's life is in danger and he

Only the unexpected interests us. History records the race won by the easygoing tortoise, but says never a word about

Liberties with the King

The authorities have refused to copyright a Scotch whisky label that bears in large, staring letters "King Edward VII." relates the Cleveland Plain Dealer. They claim that the names of living people are their own property and that other people have no right to demand a proprietary interest in them. They also suggest that it would be well for whisky men to get King Edward's consent before taking any such lib erty as the one proposed. But who expects that the king will consent to this use of his name? He would be fool sh if he

Just picture a line of thisty men arranged along a bar.

"Fill your glasses, gentlemen." says the man who buys, and they solemnly pass the bottle of "King Edward VII" along the line. "A toast, gentlemen. Up with your glasses. Are you ready? Then down with the king."

And they solemnly down him.

His Profession

Baltimore American: "Please, sir," began the beggar, "would you give a poor man a dime? I can't get work at my trade, and-

"Why," stormed the prosperous-looking pedestrian, "I just gave you a dime at the other corner! What is you trade, anyway?"

know you gave me that dime, sir," said the beggar, "but you see I am a re-