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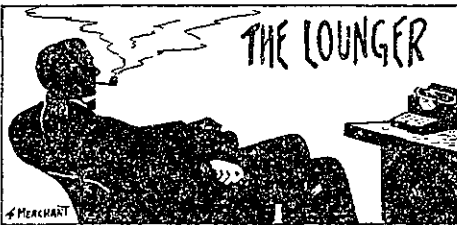
Official News Organ of the Undergraduates of M. I. T.

THE EDITORIAL SPECULUM

A remarkable talent for saying foolish things on every possible occasion seems to be one of the characteristic traits of our public figures.

Mayor Curley of Boston was also stirred to some pointed and enlightening remarks by the same Cuban disturbance which so inspired Senator Walsh.

In general, whether these public utterances are commended as conducive to the national humor at a time when humor is much needed or whether they are taken as a manifestation of the narrow outlook of our great American minds, in them is found a most discouraging significance and a sad commentary on American intelligence.



The Lounger hails a new champion. Heinicke is the man and ten o'clock in 8.221 the place. At the specified time the aforementioned gentleman established the all-time, all-Technology lateness record.

The funniest thing the Lounger has read in College Humor appeared in a recent issue which contained a review of Wellesley. The writer stated, very sweetly and demurely, "Sometimes men are permitted at Sunday night vesper services where their voices sound tremendously deep amidst the many sopranos."

White on the subject of College Humor, the Lounger wants to observe that to date Technology has escaped the fate of many other schools. The reason is obvious. Tech is an institution, just as hospitals, jails, and asylums are institutions.

The Lounger strayed into the Coop the other day, and with nothing better to do was browsing among the stock of dollar books there (adv.). He picked up a volume at random, and through his weariness at finding all the well-known facts again relished came the realization that someone was anxiously hovering around his back, peering, with gasping sounds, over his shoulder.

Well, enough was enough; so the Lounger put the book down and started to walk off. It took some pretty skilful wiggling of his rheumatic frame to dodge the freshman.

(Continued on Page Three)

Institute Expenditures Total Almost Four Million Dollars in Fiscal Year

Treasurer's Report Shows One-Third of Total From Student Fees

Three million, nine hundred five thousand, three hundred twenty-seven dollars and seven cents; no, it isn't a statement of the war debt of some small country but rather the current operating expense of the Institute for the year ending last June, 1930, as given in the treasurer's report for that period.

The current operating income to offset this expenditure was obtained mainly from two sources, student fees and income from investments. Of the total income which approaches the four million dollar mark, the students contributed last year only thirty-six percent or to be exact, \$1,267,869.49.

Salaries One and Two-Thirds Millions The four million dollars' expenditure was distributed roughly in this manner: Salaries to teachers and laboratory instructors, departmental offices and library required a million six-hundred thousand. A third of a million went for administration expense; four-hundred thousand was spent in operating and maintaining the buildings and plant.

In the ranking, according to the amount spent in the department for teachers' salaries and laboratory service, the Mechanical Engineering Department with its \$150,000 leads the Department of Electrical Engineering, the nearest competitor, by about \$23,000.

Departmental Expenses The Mechanical Engineering Department also had the largest departmental expenses, \$19,500. Those of Physics, Chemistry, Chemical Engineering practice school, and Electrical Engineering followed in that order.

The total cost of printing and advertising done by the Institute during the fiscal year was about \$36,000. Of this the register of former students had the largest appropriation, over \$9,000.

Some Interesting Items Included in the list of general expenses are some items that may be interesting because of their rarity. To keep the students, instructors, and speakers cool, the Institute spent over twelve hundred dollars on ice and ice water.

Building Service \$120,000 The expense of keeping the buildings heated, ventilated, and in good order reached a total of almost \$120,000.

and watchmen, seventeen thousand. The cost of washing the five acres of glass in the Institute windows was just thirty dollars less than \$7,000. Heating the buildings and furnishing ventilation required another \$9,600.

Dormitory Expenses From the report it seems that someone in the dorms must be burning the midnight oil rather freely. The bill for heating, power, and electric lights in these buildings was \$11,000.

Current assets amounted to a little over \$300,000 on June 30, of this year, an the lands, buildings, and equipment of the Institute were valued at almost fourteen million dollars at that time.

Inventory of June 30 Included in the items listed in the inventory taken June 30 of this year are janitors' supplies, \$2,500; dormitory supplies, \$3,462; stamps about \$750; pipe fittings, lumber, hardware, oil, paint, and other things in the store room total about fourteen thousand dollars.

California has one student to every 236 population; Wisconsin is second with one to 336; Michigan has one to 462; Ohio, one to 518; Illinois, one to 524; Indiana, one to 545; Missouri, one to 640; Texas, one to 973.

Drive Away That Home-Sick Feeling With Homelike Food Lydia Lee-Luncheon Open 7:00 A.M.-3:00 P.M. 126 Mass. Ave. Opposite Aeronautical Laboratory

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CALCULUS FOR AESTHETES

THE most vital and powerful reason for the use of mathematics is its beauty. Every mathematician is essentially a creative artist. The men who spend their time threading the labyrinthine mazes of complex variable equations and Fourier series are working in a medium that has possibilities for the creation of beauty unknown and unguessed by the untutored.

Have we, then, been grossly deceived during our first few years of engineering study by the apparent drudgery of mathematical computation? If we are to believe Professor Huntington of Harvard, it would seem that this is so. Are we really unappreciative of the beauty that lies before our eyes while we stumble on a complex integration while working out a physics problem and hastily consult Hudson's Manual for its solution?

Perhaps we conclude too much from the professor's words. And yet, perhaps there are other and more pleasant conclusions that can be drawn. If mathematicians are artists, why are not engineers, also? Technology is a monument to experimental science, the most mathematical of all pursuits. To the mathematician, perhaps it is an art museum, with every corridor a gallery, every room an alcove, and every blackboard a painting.

Perhaps the guiding geni of the Institute have seen the possibilities inherent in such a course; perhaps they have been the first to grasp something of the intangible beauty of mathematical symbols. For have they not named our buildings, "1", "2", and "3", and our dormitories, "X", "Y", and "Z"?

AS THE COMPASS SWINGS

THIS third decade of the twentieth century has witnessed an extraordinary renewal of interest in exploration and adventure. Such activities have been greatly expedited by the advances made in radio, aeronautics and instruments. The recent Byrd expedition to the South Polar regions is an example of the public interest which will express itself in actual money to make the trip possible; and the efficiency with which such a trip can be conducted. There are, of course, a great scarcity of Admiral Byrds scattered over the globe.

To inspect a world map without going into detail is to assume that exploration is practically a closed book. The north and south poles have been visited not once, but several times. Africa, the source of much controversy between the crowned heads of Europe around 1900, is now covered with names, railroad lines and military outposts—the most distant temple bells of India have been music to adventurers from all points of the earth. Lhasa has acquired a place in literature by the efforts of many writers, one a Frenchwoman. All of this gives the idea that there is nothing left whereto the 1930 discoverer may direct his dauntless ambition. Nevertheless, there do remain uncharted paths.

There is an area in China stretching between the Ain Shan Mountains and the northern fringe of Thibet which is one of the least known areas of the world. The border of the Sea of Okhotsk is comparatively unknown. The summits of Everest and many other peaks of the Himalayas have yet to feel the thrust of a man's steel-shod boot. In New Guinea there are snow-clad mountains rising 18,000 feet into the sky, where work in many lines welcomes the scientist and the traveler. The Coral Sea is never visited by human life. The interiors of Borneo and the islands of Celebes and Malekula have yet to be reported upon. Even Alaska in its northern extremity boasts a small unknown area.

Exploration, while as old as the first man, retains its allure and offers adventure par excellence to intrepid followers.