Mueller Unfolds Theory Of Foundation of Optics

Dr. Hans Mueller, Professor of Physics at Harvard, outlined a completely new method of attacking the problem of the nature of light, in a talk given before the Physics Society last Tuesday at 7:30 p.m. in Room 16-200. The new method of attack has already led to second night would probably very possibly revolutionize the teaching of optics, and greatly change our concept of the nature of light.

Professor Mueller pointed out that all almost other fields of physics are founded on empirical laws supported by extensive data, whereas optics is based upon a handful of laws and has been made to find experimental corroboration. He has devoted five years to developing his new method of attack, based on experimental laws, and on developing the mathematical treatment of these laws.

His unique method of attacking involves a new type of algebra which he has worked out, rather than the usual cumbersome method involving differential equations. Using his method, he has been able to obtain results in a few minutes which it takes several days to obtain using the old system. Not only do these results furnish a graphic illustration of the greater simplicity and workability of his system but they also prove conclusively that his theory is completely correct.

The key of Dr. Mueller's work is the possibility of the light beam, which phenomenon is well known, he has made striking contributions to our knowledge of the fundamental laws of nature of polarized light.

One of the most important applications of his theory is in the field of the investigation of the phenomenon of dielectric.

Dr. Mueller has published nothing on his new theory, although he has lectured twice before professional groups. His book, "Foundations of Optics," which will set forth his methods and theory in detail, is expected to stimulate considerable discussion when published, since his theories and conclusions differ so radically from the conventional treatment of light.

Boston Society Opens Doors To Inspiring Institute Stags

Boston's finest dance halls will soon fall prey to enterprising engineers as Tech men will have a crack at Boston's society parties thanks to the efforts of the "Tom Cat" Jim Baker, '56.

Baker is the man behind the "Tom Cat" which has been described by M. W. as a dream come true every Thursday evening. The "Tom Cat Hour," which makes a feature of all swing dances in the Boston area, thought that society parties should be neglected. The fact is that the stag lads as society parties are increasingly dominated by Harvard men.

This will no longer be the case, for the stag lads will soon be wise to The Tech. The commissary of the "Tom Cat," will make an effort to match their ambitions similar to those of Harvard's "Frogs," and "Tom Cat" will be an offshoot of the Rafes. No Marin, or Yale, or any other of the high flying prep schools primarily dominated by Harvard men.

Miss Diana Welchel, Hotel Tavernier, that Baker attended a luncheon of the "Tom Cat" and when he met Miss Barbara Tibbetts, the society writer for the Herald, Miss Tibbitts agreed that Tech men should be given every opportunity to compete for the recognition circle.

She explained the situation saying that the lists drew mostly from graduates of well known prep schools who were employed as waiters. The "Tom Cat" has received an extended article telling of the response and offers for aid were featured in the Boston Traveler.

Mr. and Mrs. Samuel H. Hollowell, who have been the owners of the "Tom Cat," and asked for as a large list of Tech men as possible.

The Hollowells only plan and catering for the busy patrons of debutantes but also for the willing Sunbathers of all age groups.

The result is that Tech men will have one less reason to be considered "society" parties. All those who are interested in having their names in pre deb, deb, or post deb listings can contact The "Tom Cat." There will be separate listings for potential husbands in all age groups.

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Open Letter to Sophomores Concerning Prom Budget

To The Class of '52:

At the Institute Committee meeting held on Wednesday, March 1, 1950, the proposed budget for this year's Sophomore Prom was finally placed on the Agenda, after a delay of almost one month. This budget was carefully drawn up by the seven members of the Sophomore Prom Committee after they had reviewed the budgets and final reports of two years' sophomores and juniors. Both of these were larger than our proposed $7900 budget.

This is what we want the money for. Our Sophomore Prom Weekend will be held in conjunction with the M.I.T. Open House on May 2 and 3, 1950. Friday night we will have the Formal Class Prom in one of the large local hotels. All day Saturday will be Open Prom at which the attendance, it is estimated, will be 16,000 persons, including your parents and dates as guests. This show should assure the success of our Sophomore Weekend. Saturday night we are sponsoring an informal dance at Walter Memorial at which we will feature a nationally popular band. This is what the Sophomore Prom Committee is offering you.

Nevertheless, after a great deal of discussion, the Committee decided that approval of this budget was defeated. We, the Sophomore Prom Committee and the members of the Institute Committee, have decided to call an extraordinary meeting of the Institute Prom Committee to consider the Sophomore Prom.

We believe that the funding for the Sophomore Prom Weekend should be increased to $8500. With this budget, we believe that we can provide an excellent dance and a number of other activities for the Sophomore Prom.

The budget was then referred to a Special Committee which will review the proposed budget and report to the Institute Committee at its next meeting. This Special Committee can recommend to the Institute Committee that the budget be increased, and we will consider the Committee's recommendation at the next meeting.

We believe that the Sophomore Prom Committee should be given the funds to proceed with the Sophomore Prom.

We are asking you to consider the Sophomore Prom committee's request for approval of the $8500 budget. We believe that this amount will allow us to provide a high-quality prom for the Sophomore Class.

Thank you for your consideration of this request.

The Sophomore Prom Committee

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BEACON HILL

The ladies in the red brick houses with the violet windowpanes have been forewarned of a conclusion. Thoughtully mulling over the newspaper stories of the A-Bomb, the H-Bomb, and the God Only Knows What Next Bomb, they have decided that they have the right of their own judgment. It seems to them that they might well be the atomic physicists. While in this mind they have remembered that across the river basin there is a school, a veritable incubator, hatching the young genius cut by the hundreds each year.

Now, in their characteristic quick thinking democratic manner, spurred on by the efforts of a commentator for WMIT, a bayonet instructor, a radio station, a club, a Sunday society column, the Herald-Traveler, and a professional list-maker, the Beacon Hill ladies have decided to do something about these young men. They are going to invite them to stand in the yard lines at their coming out parties. The Techmen will soon find themselves licensed in the best drawing rooms. The tradition has been to invite Harvardmen to the higher circles. The Techmen, who are graduates of Andover or Choate, must consider whether the Boston ladies will accept only Techmen from Andover or Choate. Or will they decide that after all, a graduate of the Bronx High School of Science is just as likely to invent some new disastrous weapon. We suppose that many of the future atomic scientists are pleased to discover their new social standing, but we know that many of them will smile a knowing smile and never make the journey up to Beacon Hill.

NON-SUPPORT

The Activities Ball was instituted to award activity leaders some recognition for their extra-curricular accomplishments. The officers are not always a very enjoyable and impressive formal dance held here. A bit carries with it the prestige of selectivity; it signifies leadership and initiative and dependability. It is a prestige for long and faithful service.

But it seems that this recognition is to be abounded, for this year the activities are guilty of non-support of the dance which they themselves instituted in their own interests. We cannot understand this.

GENTLEMEN SONGSTERS

Possibly they are off on a spree, drinking absinthe in a senile father who could scarcely complete a circuit of the stage or witness have characterized the plays held here. A bid carries with it the prestige of selection. Possibly they are off on a spree, drinking absinthe in a senile father who could scarcely complete a circuit of the stage or witness the brutality of the elements, the fury of the elements, the brutality of the elements, or the brutality of the elements. The brutality of the elements, the brutality of the elements, the brutality of the elements.

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OPEN LETTER TO YOUNG MRS.

Dear Mrs. King:

I am writing to you to explain the reasons why the Institute Prom Committee has decided to increase the Sophomore Prom budget to $8500. Our committee has carefully reviewed the proposal and believes that this amount will allow us to provide a high-quality prom for the Sophomore Class.

On behalf of the Sophomore Prom Committee, I would like to express our gratitude for your support and understanding. We appreciate your willingness to fund the additional amount.

Thank you for considering our request.

Sincerely,

Sophomore Prom Committee

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THE TECH
**Tech Lose**

**To B.C. 7-2; In Final Home Tilt**

At the arena last Monday night, the MIT puckslers, in their final home game of the season, went down to defeat 7-2 to a strong B.C. cartel. The teams played evenly until six minutes of the second period when Mulhern of B.C. scored his third of four goals to give B.C. the lead which they held for the rest of the game. The Beavers twice came behind to tie the contest. In the first period, Mulhern scored for the Eagles and less than a minute later Mullaney did the same for Tech. After only three minutes of the second period, Beaver captain Don Lea broke through and scored unassisted to again tie the score. From that on it was all B.C. as the Eagles scored four more goals in this period and one more in the final frame to give them the victory.

Alumni Pool will be the scene of the 1160 New England Intergroup Swimming Association meet to be held next Friday and Saturday. Thirteen schools in all will be represented on the Tech campus with Williams, who has taken the last six years running, as the favorite. However, Bowdoin, Brown and Springfield stand as serious threats to the Purple's supremacy.

The competition will start on Friday morning with the diving trials. The remaining swimming trials will take place Friday afternoon and evenings and the finals will be run off on Saturday.

**Prices for the meet are $1.20 for the Saturday finals, $1.50 for either Friday afternoon or evening.**

**Tech Relay Team Fails To Qualify For Finals; But Sets School Record**

Run Two Mile Distance In 7:54 at ICA Meet

The Tech indoor track relay team closed out its campaign Saturday, competing in the I. C. 4 A. Championships at Madison Square Garden. Running in the two-mile relay, the team set a new school record of 7:54.4. This time qualified for the final. The old record of 8:02.3 was set in 1945 in winning the same race. Only last year's victorious Michigan State team has beaten that time in the last nine years.

The Beavers ran fourth in the event behind Army, Manhattan, Princeton and Brown. The Maro- nane won the heat in 7:52.5, but was beaten in the final by George-town's crack quartet in 7:48.

Running for Tech in the event were Frank Clegg, Kenneth Bond, Al Dell'Tola and Ed Oiner. Bad weather last week prevented time trials and the team had to be picked by past records only.

The Maroon of the Techmen placed 8th in the 21-pound weight three in the same meet. Captain of Brown, who had previously won the national championship, won the event with a 36-foot, 6-inch heave.

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Richard Wilbur, Jo Mielziner, Marc Leish, Edward Downs, John Ciardi, Arthur Fiedler, Archibald MacLeish, and Lawrence Kuperman, of the Massachusetts School of Art, were tentatively scheduled to speak.

Appearing with Kepes, in the painting program will be Frederick Connelly, and Herman Shumlin.

Painting "as a part of the Harvard Law School Forum's second annual Symposium on Contemporary Arts. Paintings will comprise the week-long program on Monday, Tuesday, Wednesday, and Friday evenings. Admission is open to the public, $1.20 for the entire Symposium and $.60 to season ticket holders—free to others.

The charge to others will be $1.20 for the entire Symposium and $.60 to season ticket holders—free to others.