Armour Research to Change Name to IIT Research Institute Next June

Armour Research Foundation will change its name to the Illinois Institute of Technology Research Institute according to Lester Armour, Chairman of the Board of Trustees of Illinois Tech. The change, approved by the Board of Trustees last Wednesday, will become effective on June 1, 1965.

According to a release from Illinois Tech's Public Relations Department, the purpose of the change is "to create a consistent institutional designation" and to remove "misleading and confusing" aspects of the present name. The release went on to emphasize that "the action does not involve or imply any changes in the organizational structure or purpose of the present Armour Research Foundation."

The name "Armour" was derived from the Armour Institute of Technology, founded in 1892. The present Foundation was preceded by the Research Foundation of Armour Tech, formed in 1924. The present title was adopted in 1940 when Armour Tech and Lewis Institute merged to form Illinois Tech.

In January, 1965, the Board of Trustees decided that eventually the Armour name should be discontinued from that of the Foundation. Now after seventeen years, this has become a reality.

In a statement drawn up as a result of Wednesday's meeting, Chairman Armour indicated that in addition to attempting to establish a unified image of the Institute and the Foundation, there were further objectives in the existing name. He said, "Today, the name is often confused by the public with Armour and Company. The name also keeps alive in the public mind the precedent Armour Institute of Technology in a manner detrimental to the proper recognition of Illinois Institute of Technology."

The decision to change the name of ARI has come at a time when the Foundation's volume of research is at an unprecedented level.

Fraternities Compete in IF Pageant Tomorrow

This year all the fraternities will be represented in the 1962 Inter-Fraternity Pageant, to be held tomorrow at 8 p.m. in the HUB auditorium.

The decision to change the name of ARI has come at a time when the Foundation's volume of research is at an unprecedented level.

The fraternities will be present an event that involves the members of the fraternities. The event is expected to be "fun" for the students.

This was 1955-1955, Understand?

ITSA Board Adopts Dates For Referendum, Elections

Thursday, January 10, and Friday, January 11, are the dates which were selected by ITSA's Board of Control at its meeting last Thursday and Friday, for all the school elections. The following positions are to be filled at that time: the divisional representatives — three engineering representatives, arch, and liberal studies representatives — the assistant treasurer, secretary, and treasurer, and Freshman Class President. The following other freshman class officers will be filled: Vice-President, Secretary, Treasurer, and Class President.

Thursday, December 13, and Friday, December 14, have been selected as the dates for the dates for all school referenda. The Board of Control will present its proposal for changing the times of electing its members in order to have the student body work effectively; no changes in the structure of the Board will be presented. If the proposal is passed, the Board chairman will be dropped from the January ballot and will be filled in the spring all school elections. The present social chairman would remain in office until then.

MIT to Build Modern Union For Students

Massachusetts Institute of Technology recently announced their plans for a new student union. Construction will start some time next year. This building will be the second largest of their Second Century Fund. Occupying a space approximately equivalent to a football field, the total floor area will be 300,000 sq ft. MIT's student newspaper, The Tech recalled the long history of the battle for a new union. "Back in Cuppy Square, when the MIT was Boston Tech, such a student center was practically impossible; there were no dormitory facilities, and well-integrated extracurricular life was nonexistent."

The Center will consist of a basement and ground floor primarily for academic facilities, a main floor for the student union, and a second floor for residential facilities. A top floor to resident organizations and individual student recreation.

Ritterskamp Seeks Opening Of 34th Street El Station

Since the elevated fire of October 17 at the 34th Street Station, the campus entrance at 34th Street has been closed because the newly constructed center platforms were damaged. The CTA is now using the old existing platforms on one side of the elevated tracks.

"Closing of the 34th Street entrance to the Rapid Transit is a great inconvenience for our students and staff," according to Illinois Tech's Vice President and Treasurer James J. Ritterskamp, "and it will be even greater during the winter, so we are currently negotiating with the Chicago Transit Authority to have the entrance reopened."

Ritterskamp also said they are trying to make the station an all-stop station so that "A" trains as well as "AA" trains will stop there during the day. Presently this only happens late in the evening.

Dean of Students Has Draft Info

"Needless deficit score for a number of Illinois Tech students was caused by a recent Tech News article on selective service," according to the Dean of Students office.

"The article failed to mention that Illinois students in the various classifications are made until they reach the age of 21 and a half."

The dean stressed that if any students have selective service problems, they should approach either the Dean of Students or the Records office, since these two offices are effective service counseling matters.

THANK YOU, BARB

The Editorial Board of Tech News would like to thank Barb Hurst, the News and Features editor, for the year and half of hard work and effort.

Finals Schedule

See Page 9
Sun-Times Probes Handicaps of Privately Endowed Universities

Do Paul University's Program for Excellence, a plan which contemplates the raising and expenditure of $225,000,000 over a 10-year period, is a reflection of that vital interest which many church and private groups have in higher education. Their interest and concern have been such that nearly one-half of the college and university students in the United States still attend these institutions which depend so largely on private philanthropy.

Tax-supported universities and colleges gained their greatest impetus as a consequence of the Morrill Land Grant Act of 1862. At that time most colleges and universities in the United States were privately supported. The growth of tax-supported education on this level has since been phenomenal.

There has as a consequence evolved in the United States a dual system of higher education, partly-tax-supported and partly privately financed. There are many advantages in this duality—advantages conceded by educators generally.

It is, however, a duality which is increasingly threatened in an economy in which tax-supported institutions, with ready access to public funds, have few problems while publicly supported colleges and universities find their sources for money decreasing.

De Paul's program, in the face of such difficulty, is bold, challenging, and is allied to the support of all who believe that America's unique dual system possesses values which must be retained.

Unbridled expansion by some tax-supported institutions, an expansion which, in some instances, has been dictated more by empire-building administrators than by the needs of youth, has created a needless competition for some of the church-related and private institutions.

De Paul University, for example, has the largest law school in Illinois or in any state west of Chicago. Chicago has many other fine law schools, all of them privately supported.

There would appear to be no need for the University of Illinois at its Chicago branch to spend money to construct and maintain a law school in the foreseeable future.

The Illinois Institute of Technology, a tax-supported institution, and most other engineering schools in the Midwest, are below capacity in enrollment and have been since the emphasis on science has attracted so many students to that area instead of to engineering. But who knows now the University of Illinois' Chicago branch will insist on building a tax-supported engineering college?

These are but a few of the problems confronted by privately supported colleges and universities. It is for those in authority to delineate the role of the tax-supported institutions and of the church-related and private colleges. That delineation must now be made if privately supported institutions—some of which already have their backs to the wall—are to survive.

A few church-related and private institutions will remain, no matter the competition given them by the tax-supported institutions. But the condition of many is already precarious. Each time one of these church-related or privately supported educational institutions shuts its doors the taxpayer gets a bigger tax bill.

Readers of Sun-Times Express Views on Private School Issue

Your editorial Nov. 13, "The Case For The Private College," recently sums up a major problem faced by the private and church-related educational institutions.

However, I wonder if eliminating only from the University of Illinois' Chicago campus because some private or church-related school has one of the largest law schools in Illinois or in any state west of Chicago that an engineering college is not filled to capacity is really the answer to the dilemma. Remember, many youths who can profit from higher education cannot afford schools like De Paul or Illinois Institute of Technology. Should these individuals be deprived of an opportunity to be more useful to their state and country because of financial inability?

I don't believe the answer lies in asking the administrators of the University of Illinois not to open a law school or engineering college in Chicago. A law university of educational prominence provides the state and country with more able citizens and better leadership. Greater harm would be done to democratic principles by pursuing such a policy than would be gained. The answer to the unequal competition between state supported universities and private and church-related schools cannot be resolved by suggesting that certain colleges should not be opened. We must seek other solutions to the problem of the financial distress of private institutions.

Albert A. Campagnoli

Congratulations for the editorial "The Case For The Private College" in the Sun Times Nov. 13.

The recent defeat of the College Bill in the House has brought this most important issue to public attention. The "yes" part played by the National Education Assn, in upsetting the proposed legislation has been strongly denounced by the leaders of higher education in the country. The N.E.A. in this whole issue of education, took, in the words of former Secretary of Health Education and Welfare Abraham Ribicoff, the flat position that no education was better than a substandard program which included some help for independent schools.

Education is a public function. It provides a training for young citizens to play part in the future of our country. Independent colleges and universities have as much right as the state colleges to share in the funds which the state of Illinois or the federal government sets aside for educational purposes.

T. P. D.

The editorial at the top of the page appeared in The Sun Times on Nov. 13. The following two lines begin the editorial were presented on Nov. 21.
Readers Use Letters to Editor as Sounding Board for Views

Dear George,

On behalf of the Roosevelt University Young Republicans, I would like to congratulate you for the forthright and uncompromising stand Tech News took on President Kennedy’s blockade of Cuba.

Your timely criticism of the irresponsible action of the University of Chicago student government in deploying the blockades heartened those of us who believe that students should stand behind their government when it acts firmly against Communism.

The Roosevelt Young Republicans deplore the ignorant and intellectually irresponsible attacks upon your newspaper by the U.C. Mourners. Perhaps the current disgraceful conduct by U.C. student government can be blamed on the lack of an alert, objective school newspaper to watch its actions.

U. C. student government members responsible for the anti-blockade resolution are the subject of an effort to recall them. Let us hope the effort is unsuccessful and the U. C. is rid of its irresponsible majority on student government.

As I said, we congratulate you for your intelligent editorializing and would appreciate future copies of your newspaper.

Sincerely yours,

Earl H. Gould
Campaign Chairman
R.U. Young Republicans

Congratulates TN

Dear George,

I was very much shocked by the attitude Tech News took concerning the action of the University of Chicago Student Government in regards to President Kennedy’s Cuba policy. In your editorial you seemed them of either being "red" or "yellow." Did it not occur to you that those were not the only conclusions to draw from their action? Can they not take the stand of pacifists without being accused of being "red"?

This resolution by Chicago almost makes one question the motives of the students or whoever is responsible for the actions, is a ridiculous statement to make in an editorial. Cannot the student government of the U. C., or for that matter the student body, criticize the actions of our leaders without gaining the implication of being "red"?

Do you feel you have the right to deprive them of their right to criticize? How do you justify the President going to know the public’s reactions to his policies? From where is a more appropriate source of criticism than from the students of his university — the seat of higher learning and intellect.

Also, since when is it "radical" to défend resolutions of our government? Is this something new? Judging from Tech News resolutions to the Cuba Crisis, would you not defend the actions of the President, if he be backed down from a constitutional stand or handled the situation in any other way?

My complaint is not, therefore, that you criticized what the U. C. Student Government said, but that you criticized their right to say it.

Sincerely yours,

Bruce N. Westgate
Arth. 5

Abhin Thanks Students

Ed notes this letter, which I received letter sent to the president of FTA after Homecoming.

Dear Mr. Kaiser,

I wish to express my appreciation to the Illinois Tech Student Association for their action in presenting me with the 1963 Alumni Award. I am sure that the alumni in general will welcome the action of the Student Association in establishing such an award. The deep interest in the School which this display on the part of the study body means much for the future of Illinois Institute of Technology.

With my greetings and regards.

Sincerely,

Harry Perlekin

Questions Deurzynte

Dear George,

I found Howard Deurzynte’s review of the PFA to be interesting. I only wish some of us in the FPA could have lived up to the high standards Mr. Deurzynte has set for us.

Some day I’ll have to know the full story behind the statements that this show has produced right from the FPA and apparently is still producing. It is now only part of the story, but apparently the selection was tainted by contact with the Photographic Society of America, an organization richly deserving of strong criticism of its standards and judging procedures.

I wish Mr. Deurzynte had clarified some of the mystery surrounding this faint selection and had pointed out the mistakes that produced this disappointing show.

As it is, I am still not in the market for pictures and I got any of my pictures in a show so influenced by the Society that I would never again, - and which has always avoided me.

Best wishes,

Harold Allen

Annals Photo Review

Dear George,

After reading Howard Best’s review of the Photographers Exhibit, I thought I would say why he bothers to review something he doesn’t like. To ap­pro­pri­ate a line from Tech News that has become quite popular viewpoint, and bitterness, it would seem that Mr. Deurzynte dis­qual­ifies himself immediately rather than subject readers to his temper of emotional immaturity.

Mr. Deurzynte would like to own Richard Avedon’s picture of the Braxas, ‘because they look like such jolly people and because I have a profound respect for Mr. Avedon’s work.” What a critiqu! What does Mr. Deurzynte have to say about the photographs of Braxas? Nothing! He praises Evelyn Hofer’s “Landscape near Florence,” because it is “richness of varied and delicate tones of black and white which gives something of the quality of a fine etching.”

Since when must a photograph look like a fine etching in order to be a good photograph? Mr. Deurzynte feels that the most moving picture in the collection is Henri Cartier-Bresson’s “Andalusia, Spain, 1937.” He likes this because it is “temporarily.” Because the photographs of Giorgio di Chi­nelli, which are so “human,” are another example of Mr. Deurzynte’s deep insight in photography — it must look like a human­izing before it’s a good photograph.

I have no intention of reviewing the show, but I would like to offer Mr. Deurzynte a final word. Why not cast aside some of the curious traditions of Braxas, approach the show with a positive attitude (one lacking of bitterness), and accept the fact that here are visual experiences reaching all and appealing to all. Then end these two years of giving a just review and not one which is “highly critical” of the “cold and pallid Muse of Mediocrity.”

Sincerely,

Edward Michael Parrott
Pub Board, Tech News Positions to be Filled

Reports on the condition of Tech News, WIT, and Listeners magazine were given at the last meeting of the Publications Board held in the HUB last Wednesday. Discussion was held of the possibility of awarding half-fellowship scholarships to the assistant editor of Tech News and other financial alternatives in the structure of the paper.

Publications Board chairman Fred Tolson announced that appointment of Pub Board members will be considered at the next meeting. The meeting will be held on Tuesday, December 11. Applicants must first make application to the Pub Board and then be approved by the ATEA Board of Control. Experience or familiarity with publications is considered a requisite for appointment. Terms of office of Pub Board members are two semesters. Reappointment for one more two semester terms is automatic unless rejected by the Board of Control.

Appointment of the Editor-in-Chief of Tech News will also be made at the next Pub Board meeting. The tenure of this position is one semester and will begin in January, 1963.

Applicants for all positions must personally appear before Pub Board on Dec. 11.

Freshmen, Juniors Sponsor Competing Events Tonight

Tonight, TechWERKS have their choice of two major campus events: a Junior class hayride and a Crystal Ball. The hayride will begin at 8 p.m. at the stable's clubhouse, being held at Happy Dal the stable's club house.

Tickets for the Junior class semi-formal are still available at the HUB candy counter at two dollars per couple. The price at the door will be two fifty. The dance will last from 8:30 p.m. to midnight with music supplied by Chris Hill and the Illinois Tech dance orchestra.

The Hayride will begin at the stables, Montrone and Cumberland Avenues, at 8 p.m. and the party with doughnuts and cider will last from ten until midnight. The price is one-dollar per person, with tickets available from members of the Fresh board.

For the Crystal Ball, many special effects and designs have been prepared by the Junior Class officers, with assistance from Ross Gukiwski. The Fresh Hayride has been largely under the direction of class president Jamie Robinson and Kathy MacDonald, a member of the Fresh board.

PLACEMENT SCHEDULE

Monday
1. U.S. Naval Research Laboratory
Washington, D.C.
2. U.S. Army Corps of Engineers
West Point, New York
3. U.S. Army Corps of Engineers
Fort Leavenworth, Kansas

Tuesday
1. U.S. Army Corps of Engineers
Chicago, Illinois
2. University of Illinois
Champaign-Urbana
3. Illinois State University
Normal, Illinois
4. University of Wisconsin
Madison, Wisconsin

Wednesday
1. University of Wisconsin
Milwaukee, Wisconsin
2. University of Illinois
Chicago, Illinois
3. University of Illinois
Urbana, Illinois

Thursday
1. Atlantic Refining Company
Philadelphia, Pennsylvania
2. Union Carbide Corporation
New York, New York
3. Illinois Bell Telephone Company
Chicago, Illinois
4. Louisville & Nashville Railroad
Louisville, Kentucky

Friday
1. International Paper Company
Pine Bluff, Arkansas
2. Pittsburgh Plate Glass
Pittsburgh, Pennsylvania
3. American Can Company
Chicago, Illinois
4. Illinois Bell Telephone Company
Chicago, Illinois

Prof Poll
TN Polls Faculty Opinion on Instructor Evaluation Forms

In light of Tau Beta Pi's decision to re-establish the use of the "Instructor Evaluation Questionnaires" Tech News this past week conducted a faculty opinion poll on their use. The faculty members polled were all in favor of their use, with but two reservations.

Dr. Donald Smithburg, Acting Chairman of the Political Science Department, stated he originated the questionnaire many years ago and believes it is very good for the new instructor who is just beginning teaching because it will help him establish good teaching techniques.

Professor Elton Jones, Jr. of the E.E. Department also expressed similar opinions and but added "many feel that the student is not, in a position to tell if he is receiving proper instruction or not, but the student can certainly tell whether or not he likes the way the subject is being taught."

Dr. Peter O. Lykes, Associate Professor of Chemistry, said it would be a good experiment to try every single instructor in every course who would cooperate and use them because certain things might be learned.

Jay Dobin, Director of the Institute of Design, stated that "I really have a proper instructor evaluation it would have to be under the supervision of a proper psychologist."

Dr. Phil Sturriger, Professor and Chairman of the Psychology and Education Department, stated that in the past he had used them all the time and found them to be very objective and useful. He considers the evaluation form to be quite good as a general questionnaire and hopes to see it reinstated soon.

ALL IT TAKES

Nothing else needed but you to complete this picture of filter smoking at its flavorful best. Enjoy yourself...light up a Winston.

Winston tastes good like a cigarette should!
Dr. Austin, LLP Professor, Specializes in Linguistics

by Linda Wills

Dr. William A. Austin, the new professor in the language, literature and philosophy department, has a long and distinguished career in the field of linguistics behind him.

Dr. Austin received his A.B., A.M., and Ph.D. degrees at Princeton. He studied linguistics at Yale as a post-doctoral Sterling Fellow. He taught Latin and Greek at NYU and the University of Minnesota. From 1953 to 1961, he taught linguistics and the Algonquian and Indo-European languages at Georgetown University in Washington, D.C.

During the war, he was with the Office of War Information. He supervised and wrote language guides, military phrase books, and bilingual dictionaries. After the war he wrote a book for the American Council of Learned Societies called "Spoken Russian." He was the first American to study scientifically the Mongol language at John Hopkins University. From 1961 to 1962, he was senior research scientist at the Eastern Pennsylvania Psychiatric Institute in Philadelphia, where he investigated the language habits of schizophrenics.

He came to Illinois Tech this fall, and now teaches an introductory course in linguistics and English as a foreign language.

Teach's Future

Speaking of Illinois Tech, Dr. Austin said, "I think that there is great promise here, particularly in the new and interdisciplinary fields. Part of the strength of Illinois Tech is due to the absence of rigid, independent compartmentalization of fields of interest. For example, there is a possibility of augmenting at the Master's level. 1250 pm sharp. Several interdisciplinary communications skills would be the field of linguistics, the ability of communications would be in the field of linguistics and sociology, and communications and machines would be in the fields of mathematics and acoustics physics."

Job Opportunities

The future job opportunities for people trained in this double discipline are obvious. They are with such companies as IBM, the NASA, and Bell Telephone Company in such areas as data processing and information retrieval. Another possible area of development, according to Dr. Austin is the teaching of English as a foreign language, which one would like to see in with the Point-Four and Peace Corps programs.

Dr. Austin continued: "The new science of linguistics, sometimes called structural linguistics or descriptive linguistics, deals with the data of language rigorously and systematically as physis, chemistry, and biology deal with atoms, molecules, and cells. Ph.D. in this field are now being offered in about 20 universities including the University of Chicago, the University of Illinois, and MIT."

"The question concerning linguistics and the National Space Agency? Well, how do you talk to a Martian?"

Assignment: make our cars more rust resistant

Results '63 Ford-built cars are better protected against- rust than ever before.

To tackle this assignment, Ford Motor Company engineers turned to zinc. Galvanized, or zinc-coated steel, has long been noted for its resistance to corrosion. It presented special problems which had limited its use in automotive applications, however. It was hard to weld, difficult to paint.

Our engineers developed special techniques to solve the welding problem. They found a process which eliminated the crystalline pattern of galvanized steel and produces a surface that will accept a high-quality paint job.

Now zinc can be married to steel and used for vital underbody parts and rocker panels of Ford-built cars. The zinc coating forms a tough barrier to corrosive moisture-and if corrosion attacks, the zinc sacrifices itself through galvanic action, saving the steel.

Other advancements explored in the fight against rust also brought results: special zinc-rich primers to protect key body areas, zinc-rich and stainless steels to extend muffler life, quality baked enamel finishes that are more durable (and look better).

Another step forward in total quality-and another example of how Ford Motor Company provides engineering leadership for the American Road.

Motor Company

The American Road, Dearborn, Michigan

Discussions

Thanksgiving Break Creates Lethargy Among Students

by Louis Wilks

For four days last week we all completely forgot Illinois Tech, teachers, lessons, and examinations. Well, the holidays are over, and we must now return to the task of getting an education. Our brains have grown sluggish. Most of us, therefore, will not settle back down to the task of studying; we will instead settle back and await the coming of the Christmas holidays.

We will sit in the classrooms, listen to what is being said, and not hear a word. Our minds will be roaming about the country, the places we plan to visit during the Christmas holidays, or they will be thinking of what shall I get her for Christmas.

I sympathize with the teachers who have not struggled through this just before the Christmas vacation period threatening and implementing us to study and do the homework assignments. They all returned to the classrooms ready to give tests and homework. Maybe the Thanksgiving holiday vacation should be eliminated and only the Christmas holidays celebrated by closing the institution and giving the students a two week vacation. This would not be so sluggish after Christmas.

COMMitters:
AN AGONIZING RE-APPRAISAL

To those of you who stay out of your student government because you believe the committee system is just an excuse for insulation, let me set an example to prove that a committee, properly led and directed, can be a force for good.

Last week the Student Council met at the Dahlke Auditorium of Veterinary Medicine and Biological Sciences to discuss purchasing a new draft horse for the students union. It was, I assure you, a desperate problem because Sherwin E. Bigelow, junior of the students union, threatened to quit unless a new draft horse was installed immediately. "I'm tired and sick of toting that dirty old horse," said Mr. Bigelow, soliloquizing unhappily. Mr. Bigelow, once a jolly outgoing act, has been crying almost daily over the recent death of his pet horse who had been his constant companion for 22 years. Actually, Mr. Bigelow has been a good deal more patient than the other members of the committee, and there is nothing better without the wary horse, who tended him painstakingly at least seven times a day. But a committee meeting is never long enough to make the others sympathize with him.

The committee tried to get Mr. Bigelow a new draft horse — a frisky little fellow with happy ears and a wagging tail — but Mr. Bigelow only turned his back and turned the harder.

Tasty Lane

3038 S. WELLS ST.
DA 6-1515 Phones DA 6-4340 FREE DELIVERY

HOURS 11 A.M. - 2 A.M.

DA 6-4515

MED. LARGE

Cheese $1.35 $1.85

Sausage 1.60 2.10

Sausage and Cheese 1.60 2.10

Sweet Peppers 1.60 2.10

Onions 1.60 2.10

Mushrooms 1.85 2.60

Peppers 1.85 2.60

Combination 1.85 2.60

Tasty-Jeno 1.85 2.60

Shrimp 2.60 3.00
Student Tells of German University System; Drop-Out Rate

Peter Sturm, a German Student from Berlin who wrote the following letter to Vice President Nelson, was employed in the Development Department of the United States Army. He has traveled over America and has had a chance to observe our system of education closely. In the letter Sturm gives account of the educational system in Germany and compares the system in the United States.

Next week Sturm will discuss his impressions of Illinois Tech as compared to German Universities.

What is it that is different between the American and the German system of higher education? I consider it best, first to draw in short lines the formal institutions of the German system. That will help to understand the comparison.

We are going to take a look here at the University. It is run by the states and the cities. It is free for Volks- and Oberrealschule, a law student is charged at the university.

After attending the kindergarten, which is no obligatory part of the German education, the German child is forced by law to attend a school for 3 years, starting at the age of six. Every child starts off in the "Volksschule." After the 4th grade the parents have to decide whether they want their child to continue the Volksschule or to shift to the "Oberrealschule" (Oberschule). The children are at that time 10 years of age. The Oberschule then is a school for the kids trying to enter by exploring their capabilities in learning other than checking their actual knowledge. The children considered capable enough to keep track with the faster and brighter education at the oberrealschule are admitted, the rest go back to the Volksschule to attend it for another 4 years until the last grade. After that they are supposed to learn a profession, and attend the "Berufsschule" (profession-school) once a week for the next years.

Three School Branches

There are three branches in the oberrealschule: the "Humanistische Gymnasium", where the emphasis lies on ancient languages and philosophy; the "Naturwissenschaftliche Gymnasium", where emphasis lies on Physics, Chemistry, and biology; and finally the "Mathematisch-Naturwissenschaftliche Gymnasium", emphasizing the sciences. All three branches equally emphasize German and history. The first "Humanistische" at the oberrealschule are equal for all three branches; the child, however, can choose between English and Latin for the first foreign language. Also a total of about 6 other subjects are taught, which cannot be chosen by the child.

Classes consist of an average of 40 pupils at this stage, attending the same lectures. After the 4th grade at the oberrealschule kids choose the branch they wish to go in. From then on their schedules differ, of course, according to their choice. They are, however, still not encouraged to choose their subjects, but have to take a fixed schedule. Classes are crowded by dropouts to 25-30 pupils a class by then, and lecturing amounts to about 15 hours a week (6 days), still leaving the daily homework, which is considered to take two to three hours a day.

Adjournment After 6th Grade

After the 6th grade at the oberrealschule, there is a cut called "Mittlerer Reife" (medium maturity), which is considered to be a kind of schooling adjustment, and after which a lot of pupils leave the oberrealschule in order to go into professional training.

Throughout the years at oberrealschule monthly written tests in most of their subjects are given to the students. Their school reports have to reach a certain standard in order to let them pass on to the next higher grade. Rating is 1, 2, 3, 4, failure. Each grade can be repeated once.

With his abitur the candidate is entitled to attend any university in the country, and generally speaking there are no restrictions except for overcrowded universities.

Here it has to be mentioned that since German universities are publicly run throughout the country, they differ very little in their level of education. Today there are still two kinds of universities, the "Technische Hochschulen" for engineers and architects, and the "Universitaten" for liberal arts, medicine students and student who go into teaching. Today it is a tendency to integrate these two branches, in order to brighten the attending students and justify the name "university" more. There are two semesters each year, the summer-semester lasting from May, June, and July, and the winter-semester lasting from Nov., Dec., Jan., and Feb.

The change from the university to the oberrealschule is very abrupt. There is no such fixed schedule at the university or any pressure at all (except paying the fees). The student is supposed to attend a certain range of lectures according to the field he is going to study. The time, however, the student takes to fulfill these requirements is unrestricted. Nobody checks the student's work at the university. Lectures are usually very rapid, and the student is supposed to work up the delivered material again at home. Classes in the beginning are very big and may amount to 1000 and more attending students, with an average class of about 50 to 70.

When the student has fulfilled his minimum amount of lectures, he can apply to take his examinations. In order to get his degree, the "Staatsexamen", he has to pass two examinations, the "Vorpaarlehre" (pre-exam), and the "Staatsexamen" (main exam). The examinations are written and oral. They cover the matter of everything taught to this point, and may range from 6 to 12 subjects, depending on the candidate's field.

Specialities Further

Usually until his voestarzum the student takes fundamentals, and after he passes this first examination he specializes in a very narrow field of his own choice. If he intends to run for a doctorate degree after his staatsexamen, he has to do a project in research which has to be certified by a professor. The time a student spends at the university until he gets his degree is, as I said before, unrestricted. The average today is about 6 to 7 years.

Want IMMEDIATE INVOLVEMENT in projects of significance?

Many engineering and scientific graduates have that as an objective — achieving It is a reality at UAC's Corporate Systems Center.

UAC was formed to bring together under one management the vast technical resources of United Aircraft (one of the nation's forty largest corporations) and its world-famous divisions. A young, relatively small organization, UAC is engaged in all phases of systems work in areas such as stellar inertial guidance, mobile ballistic missiles, weather technology, bio-science systems, orbital rendezvous and satellite navigation and control.

Rapid expansion of programs provides exceptional advancement potential for capable graduates. UAC's "small company" environment coupled with the stability and benefits of a major corporation provide an ideal climate for professional growth.

In the heart of picturesque New England, we are located almost exactly midway between Boston and New York City — only brief highway hours from each. Investigate UAC career advantages during our visit. If you are unable to see our placement representative during interviews on your campus, write to Mr. R. A. Fuller, Box 1047, Broadstreet Station, Manchester, Connecticut — in equal opportunity employer.

Opportunities for Chemists, Physicists, Biologists, Mathematicians, Civil, Aeronautical, Mechanical, Electrical, Chemical Engineers, Metallurgists, Meteorologists, Oceanographers, Geophysicists and others.

CAMPUS INTERVIEWS - Wednesday, Dec. 5

See your College Placement Officer for more information. If you are interested call the Corporate Systems Center at 301-654-7333.
Attention, all witty, urbane college students:

Get Lucky!

MAKE $25 (or would you like to try for $50?)

ENTER LUCKY STRIKES' ZANY NEW

"Crazy Questions" Contest

50 Cash Awards a Month. Enter Now. Here's How:

First, think of an answer. Any answer. Then come up with a nutty, surprising question for it, and you've done a "Crazy Question." It's the easy new way for students to make loot. Study the examples below, then do your own.

Send them, with your name, address, college class, to GET LUCKY, Box 664F, Mt. Vernon 10, N.Y. Winning entries will be awarded $25.00. Winning entries submitted on the inside of a Lucky Strike wrapper will get a $25.00 bonus. Enter as often as you like. Start right now!

THE ANSWER:

ANCIENT EGYPTIAN NUNMIES

THE QUESTION:

What was the Egyptian word for bread?

THE ANSWER:

WHALE OIL

THE QUESTION:

The most valuable whales are worth how much a gallon?

THE ANSWER:

Art Appreciation

The Question: This donkey has 3 ears...why?

Get Lucky the taste to start with...the taste to stay with.

The question is: What is the slogan of the favorite regular cigarette of today's college students? If you missed that one, go to the rear of the class. Everyone should know that fine-tobacco taste is the best reason to start with Luckies, and that taste is the big reason Lucky smokers stay Lucky smokers. Prove it to yourself! Get Lucky today.

French Consul To Lecture on Foreign Policy

"French Foreign Policy: the Problems of Decolonization," will be the topic of a public lecture to be given at Illinois Tech next Monday by Jean Bellard, French Consul General. Bellard will speak at 3 p.m. in Hermann Hall.

Having served during World War II as an intelligence agent in England and France, Bellard was captured and escaped twice. He formed the war as an intelligence officer with the U.S. 7th Army. In 1945 he entered the French Foreign Service and was a delegate to the United Nations Security Council from 1955-1957. Bellard has acted as Consul General in Chicago since 1957.

Illinois Tech's department of political and social science, sponsor of the lecture, announced that it has invited leaders of other European, African, and Latin American countries to discuss political topics of national and international importance in the future.

ARF Dedicates New, Advanced IBM Computer

Thomas H. Cooley, chief executive officer of the Chicago Association of Commerce and Industry, addressed some 200 industrial leaders and scientists in Armour Research Foundation's Ceramics Building at the dedication, November 14, of a highly advanced electronic computer.

Cooley began by saying, "Strictly aware of deficiencies in industrial research and development here, Chicagoans are taking steps to solve the problem." He went on to say that Chicagoans were "light-years" ahead when they a few years ago that their city lagged in research and development.

"What has happened since that time has been good for Chicago because it started much thinking among serious people who understand the dependence of tomorrow's industries on today's research and development. I can sense that air of change among business and university leaders who are trying to implement plans to do something about the situation."

Next April the 7090 with its IBM 1401 component, will be connected to the IBM 7094, an even faster computer.

"Other things are happening along these lines such as Illinois Tech's Research Park and other such facilities," Cooley noted.
Conflict Information

In cases where there is more than one section, rooms provided will be assigned to the sections by the departments involved.
(a) Internal departmental conflicts—The department will make appropriate arrangements.
(b) Cross departmental conflicts—The student's major department examination takes precedence.
(c) Cross departmental conflicts in service departments—Lower numbered courses take precedence.

Building Information

<table>
<thead>
<tr>
<th>Building</th>
<th>Section</th>
<th>Course</th>
<th>Letter</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>MH</td>
<td>1/17</td>
<td>Math</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>Sh-Siegel</td>
<td>1/17</td>
<td>Econ</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>CEB-Chaplin</td>
<td>1/17</td>
<td>Chem</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>AH-Abell</td>
<td>1/17</td>
<td>Eng</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>ECE-ECM</td>
<td>1/17</td>
<td>Mech</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>CR-CEL</td>
<td>1/17</td>
<td>Eng</td>
<td>B</td>
<td>111</td>
</tr>
<tr>
<td>CA-Caryon</td>
<td>1/17</td>
<td>Chem</td>
<td>B</td>
<td>111</td>
</tr>
</tbody>
</table>

At Pratt & Whitney Aircraft...

Your Eyes Can Be on the Stars
But Your Feet Must Be on the Ground

The glamour and excitement of space age programs often obscure a fundamental fact. It is simply that far-sightedness must be coupled with sound, practical, down-to-earth engineering if goals are to be attained. This is the philosophy upon which Pratt & Whitney Aircraft's position as a world leader in flight propulsion systems was built.

Almost four decades of solid engineering achievement at Pratt & Whitney Aircraft can be credited to management's conviction that basic and applied research is essential to healthy progress. In addition to concentrated research and development efforts on advanced gas turbine and rocket engines, new and exciting effects are being explored in every field of aero-space, marine and industrial power application.

The challenge of the future is indicated by current programs. Presently Pratt & Whitney Aircraft is exploring the areas of technical knowledge in magnetohydrodynamics... thermionic and thermoelectric conversions... hypersonic propulsion... fuel cells and nuclear power.

If you have interests in common with us, if you look to the future but desire to take a down-to-earth approach to get there, investigate career opportunities at Pratt & Whitney Aircraft.

To help move tomorrow closer to today, we continually seek ambitious young engineers and scientists. Your job may be a B.S., M.S. or Ph.D. in: MECHANICAL, AERONAUTICAL, ELECTRICAL, CHEMICAL and NUCLEAR ENGINEERING; PHYSICS; CHEMISTRY; METALLURGY; CERAMICS; MATHEMATICS; ENGINEERING SCIENCE; APPLIED MECHANICS. The field to broaden—The challenge great. The future of recognition and advancement may be there for you.

For further information regarding an engineering career at Pratt & Whitney Aircraft, consult your college placement officer or write to Mr. William L. Stoner, Engineering Department, Pratt & Whitney Aircraft, East Hartford 9, Connecticut.

Pratt & Whitney Aircraft

Connecticut Operations: East Hartford, Connecticut
Florida Operations: West Palm Beach, Florida

Specialists in Power—Power for Propulsion—Power for Auxiliary Systems.
Current Utilizations include Aircraft, Missiles, Space Vehicles, Marine and Industrial Applications.
Winter Sports Begin Today

Basketball Squad To Open Away Against Detroit Tech

The Illinois Tech varsity basketball squad will open its 1962-63 season this coming Sunday in Detroit, Michigan, where the Techs will engage the Detroit Tech Dynamic. A travelling squad of 10 men, including 4 seniors from last year's 14-7 team, will make the trip. IIT best DTF last year by a 95-68 score, and a repeat performance is hoped for. Detroit Tech only has five men returning from last season's 5-12 club.

The starting Illinois Tech line-up will probably be Tom Seibert at center, Don Bervich at forward, Nick Mathys at forward, Jack Wisely at guard, and newcomer Rod Caudill at guard. The team appears to be a little stronger on the bench than last year, with tall reserves in the fore-front and numerous guards in the back-courts.

Captain Dan Bervich, a 6'4".

Wrestling Squad To Open At Knox Tournament Today; Four Men To Go

Illinois Tech wrestling coach Tony Baratto and four of his wrestlers will open their 1962-63 season tonight at 7 at the annual Knox College Invitational Tournament in Galesburg, Illinois. The first rounds will be run off tonight, with the finals tomorrow morning and afternoon. Senior captain Steve Nugent, wrestling in the 130 pound class again this year, will attempt to lead the squad to a successful opening. Traveling to Galesburg with Nugent will be John Bush or Bob Gable in the 137 pound class, Bill Cook or Don Pigott in the 147 pound class, and Bill Wald in the 157 pound class.

Sixteen of the top middle small college wrestling squads will be featured in the two day tourney. The team now has men in all weight classes and is hopeful of bettering last season's 3-5 record.

After the tournament this weekend, the four will return home to practice for the rest of the grapplers in preparation for their first dual meet at the Pier next week at 4.

Basketball Captain Dan Bervich awards season's first game in which he hopes to break the 1000 point mark. He has 990.

Swimming Trunks?

At the IF Swim Meet, held last Monday, the Dels nosed out the Sigs by 2 points. They retained the trophy after three winning years.

Sharks Open At Home Against Wright J.C.

Swimming captain Bill Burch and the rest of the Sharks will open their 1962-63 season next Tuesday at 4:30 against Wright J.C. at the Valentine Boys' Club pool at 34th and Emerald. The Valentine pool is the home pool of the Tech swimmers, due to the fact that their pool is on campus.

Although Wright beat Tech last year, being a junior college, their teams vary from season to season, due to the large turnover. Senior Burch, Steve Williams, and Rich Salvo appear to be in their usual good form. Rich Arzata, a very promising freshman, has taken over the number one back-stroking spot. Another freshman Scott Berrett will add strength in the distance freestyle ranks. The rest of last year's returning men are slowly rounding into shape and should be ready by next Tuesday. Summing the picture up, Illinois Tech should be an improved team from last season, but only the meets will tell. Many women's are the individual medley and back-stroke in the freestyle.

Sigs Beat Delts 19-6 For IF Football Crown

After downing a strong AEPi team, Delta Tau Delta forged, as so many have in the past, that the Alpha Sigs were too much to handle. The Sigs pushed off to a 13-0 lead in the first half and counted on a 19-6 win to keep the IF football trophy in their case for another year.

The Sigs drew first blood as their outstanding quarterback hit and Dan Tolle with a 40 yard pass. Later in the half Maury Andaya took another pass for their second score. Delta Ziegler caught a pass for the extra point. The Delta just missed a TD, as Forty Vomatie made a diving catch on the Sig 1 yard line as time ran out. Their only score came on a 50 yard pass (Michaelich to Frank).

Sig Dave Wendland ran back the following kickoff to put the game away. The rest of the game was mere or less a walkover, with neither team gaining much ground.

AEPi Tourney Starts Next Monday Night

The annual Alpha Epsilon Pi basketball tournament will get underway at 6:30 next Monday night in the Tech gym. The tourney will consist of 11 teams and will be single eliminations. The games will be on December 3, 4, 6, 10, 13, and the Finals on the 17th. All men wishing to release for a $1 a game contact Alan Stiefel at VJ 2-9766.