**Technology News**

**February 23, 1962**

**Confe Freezees ITSA Accounts**

John Coote, ITSA treasurer, announced at the Board of Control meeting on Wednesday that the business managers and treasurers of all organizations dependent upon ITSA for their funds must meet in a special meeting on March 14. The time and place will be announced.

**Group Rehearses 'Beau Stratagem'**

The Beau Stratagem, a war story, has been accepted for production by the University Players, who will present it on February 23. The play is a historical drama about the French Revolutionary War. The cast includes many students who have previously appeared in the Players' productions.

**Television Station Covers College Conference on UN**

Chicago television viewers saw approximately 125 students from a dozen schools attending the United Nations Conference in the HUB last Sunday. The network was filled during the morning and shown on Channel 9's 10 p.m. news program. The film depicted 9:54 registration only.

Representative comments made by the visitors included: "The HUB is beautiful." "The food is good." and "The coasters are sharp." They were made by students of Northwestern, Rosary, Mundelein, DePaul, Northern Illinois University, Concordia, Roosevelt, and other colleges.

Donn Hagen and Dr. Smith, acting head of the Political Science department, welcomed the visitors. They told the school for establishing social science divisions to solve the problems created by advanced technology.

When the morning panels on the accomplishments of the United Nations were over, a swim stank lunch was served. For the entremet, Verena Kalbhan and Rudolph March led the songs and sang a sli sli song. Dr. Okrak of the University of the Illinois was the after-dinner speaker. He stated that the General Assembly and the Secretariat are stronger than when the UN began. At that time, the permanent members of the Security Council held all the power.

Donald Schwartz of the Chicago Sun-Times restated Raunds' assertion that the students read UN voting records rather than magazine reports of them.

The conference was hosted by the International Relations.

**Confering with the University President**

For HUB Auditorium Mar. 3

Robert Williams and his six piece company will perform "An Evening for You" on Saturday, March 5, at 8:30 p.m. in the HUB auditorium. This will be the second concert of the season presented by the Union Board.

Tickets for the concert are on a reserved seat basis only. The price is $2 per person for Illinois Tech students and $2.50 per person for all others. A limited number of tickets will be sold at the door and the night of the concert at a cost of $2.50.

Applications for Union Board committees are currently available in the HUB directors office. Positions are open for open committee chairmen, sub-committee chairman and committee members, each having a term of one year.

All applications must be completed and returned to the HUB directors office by Wednesday, February 28, at 5 p.m.

The Exhibits area has a Presentation and an Arrangement Committee. Under the Recreation area are the Competitive Sports, Bowling, and Individual Sports Committees. The Education area consists of the Forums and Debates, Educational Movements, Educational Small Group Activities, and the Educational Tours committee.

Interviews for applicants will be conducted on March 1, between noon and 2 p.m. in the HUB organization rooms by the Union Board area directors.

**Reynolds, Senior Design Engineer in mechanics research, Virgil Disley, Director of Electronics Research in the Laboratory, and Wark, Senior Research Engineer in Mechanics will demonstrate the various equipment used to solve these space difficulties.**

All the equipment used on the program is located in the laboratory. A demonstration showing the use of a computer to help determine the performance of high-speed computers will be exhibited. Instruments used to measure and predict high altitude effects will be talked about. A new type of fuel that when burned into electricity will be demonstrated.

**WBKB-TV is giving this program as part of a series in which Norman Ross is taking an "Exposition on TV Ideas." Ross interviews various research foundations across the country in order to determine the progress made in America's technology. The program seeks to satisfy the curious who wish to know what new and different ideas we stand according to the station.**

**Committee To Investigate Activity Fee**

A special committee to investigate the possibility of increasing the student activity fee will convene Thursday, at noon, in the HUB. A special meeting will take place on March 1, at the same time and in the same place. Each meeting will last one hour.
Instructor Responsible to Form Students Minds and Thinking

In a democratic society such as ours, we can only expect it to propagate and increase if people on whom the final burden of government falls are an educated mass; educated in the broader sense, running the gambit from the intellectual to the moral. Education is the key to the awareness of the problems of such a government.

Out of this stems the moral responsibility of a teacher to his students. It is more than a responsibility to be in class, covering the material, assigning and correcting homework. It is more than a responsibility to answer questions, in form, and broaden the scope of thinking. It is the responsibility to create an atmosphere of willing education, of curiosity, and mental alertness.

Unrealistic as this would seem it is also the case with some teachers. Too often, however, this responsibility is not realized or is so totally halfheartedly from the core of the sin. It develops from disinterest, dissatisfaction, and disinterest. Good reasons can be given for all of these attitudes. Reasons, however, are not enough; they cannot be a substitute for making sure that what was lost, or interest that could no longer be reached.

To the people that are willing to take a stand, their responsibility is obvious. They dedicate their lives to the promotion of education, the improvement of school facilities, and the education of the public and public officials in the problems. It is gross immaturity to think that the solution to this problem is a simple one. It can be eliminated if teachers talk with administrators feeling free to bring out all of the problems. In conjunction they must be willing to dedicate themselves to their teaching profession. In so doing democracy and our system of government will live.

TN Mourns Loss Of Literary Mag At Drug Store

When we came back from the Christmas break we noted with glad that at last a certain magazine was being sold at the Common drugstore. At last, we thought, the dean's office has relaxed its prudish attitude towards Playboy. But, alas, last week the worthy publication had disappeared from the racks. Upon inquiry, we found it was upon orders from the dean's office, who had apparently not noticed it before. Almost as an epithet, one of the drugstore employees was heard to say, "Men, we had a field day for two months we sold Playboy."
ARF Organizes Civil Defense Research thru Dr. Sevin

For the past five years, Armour Research Foundation has been active in various areas of Civilian Defense research, such as fall-out shelter construction and environments, and weapons research. Last year ARF received approximately $15 million worth of government contracts, almost three times as much as any previous year.

Realizing an ever increasing need for this type of research, the Foundation has recently created an organization designed to bring to bear most effectively its diverse talents on civil defense-oriented research problems. This organization, under the direction of Dr. Eugene Sevin, Assistant Director of Mechanism Research, is known as the Civil Defense Research Center (CDRC).

According to Dr. Sevin, CDRC has five main objectives: 1) anticipation of technical needs of CD, 2) coordination of CD research in all agencies, 3) assurance of highest competency of CD research, 4) Arrangement of symposia on CD research activities. Just recently, the Foundation was awarded two contracts valued at $230,000; one for "Materials and Fabrication Technology for Underground Protection Areas," and the other, a "Fire Storm Analysis."

Alumni Helps Finance Freshmen at Illinois Tech

Meyer A. Hammerman, Class of 1926 and vice-president of the Jolly Kids Toys, Inc., has established a fund at Illinois Tech to help finance students in their freshman year. The fund will pay one-half tuition for worthy students in the first year at ITT.

Hammerman is in charge of all production, including several factories of his company. He now resides in Winnetka.

Centre Cinema Presents "The Golden Dragon" Sat.

"The Golden Dragon" is this week's Centre Cinema presentation, to be shown tomorrow at 7 p.m., and 9 p.m. in the HUB auditorium. The story is an adaptation of the first modern Japanese novel since World War II. It is the story of love versus riches, and cuts across all social strata. It has received good reviews by many major magazines, and is sometimes called the Japanese "Romeo and Juliet."

The accompanying short subject is entitled "Love in the Airship," a cartoon from Czechoslovakia. Action takes place in the early twentieth century, when airships were common.

Tickets for the movie are 50 cents per person and may be purchased at the door. Student tickets are available at a price of $1 for the season. They may be purchased by persons other than the purchaser, but only one pass may be used per showing. Tickets are available at the HUB candy counter and at the door.

Approximately 370 people attended last Saturday's UB showing of the "Movie That Roared." According to Ben McCoy, UB vice-president, this is the largest attendance yet.

SANDY ERINS pauses from her card game to smile at TN photographer.

Reporter Reveals Truth About HUB's Mystery Man

"Ben, please call the office.

Are you one of the people who have wondered why this is the only sentence you hear over the HUB's intercom? Why is Ben so popular? Who is Ben?

Ben, whose real name is Ben Bennett, is the HUB's day shift janitor. He is in charge of the Faculty Club and all student-fores in the basement of the HUB. For the past 13 years Ben has worked here in all the buildings on campus. During his tenure he has been a member of the International Building Service Union of which he has been past president, vice-president and currently steward.

"Ben, please call the office."

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In over 100 countries people get that refreshing new feeling with Coke!
Student Peace Union Begins Working
To Organize Local Chapter at Ill. Tech

Three thousand college students, 300 of them from Chicago, picketed Washington recently to protest nuclear testing by Russia and the United States. They went to the President, their Congressmen, the State Department’s disarmament experts, and even to the Soviet embassy.

Although there is no official school organization in participation in such events, one is being formed and hopes to be recognized by the Board of Control. Its members, some of whom belong to the national Student Peace Union, were given Dean Godziek’s permission to pass out literature in the HBU last weekend.

According to Ed Jones, 6th semester physics major, some of those who came to the literature table struck up “pretty good discussions” with the six SPU members. Most just came, looked something, and went on. By 3 p.m.

Placement Schedule

Tuesday
1. Automatic Electric Company
   South Bend, Indiana
2. Automatic Electric Laboratories
   South Bend, Indiana
3. Howard-Gardner Company
   P.O. Box 1600
   Cleves, Ohio
4. General Mills Electronics Group
   Minneapolis, Minnesota
5. General Electric Company
   Philadelphia, Pennsylvania
6. U.S. Atomic Energy Commission
   Washington, D.C.

Wednesday
1. Minnesota–Northwestern Bell Co.
   Minneapolis, Minnesota
2. General Electric
   Corporate Research and Development Station
   Schenectady, New York
3. The Dow Chemical Company
   Midland, Michigan
4. General Motors
   Santa Fe, California
5. Union Carbide Chemical Co.
   Chicago, Illinois
6. Standard Oil Co. of California
   Los Angeles, California
7. U.S. Naval Ordnance Test Station
   Point Mugu, California

Thursday
1. R.G. Borden & Sons Company
   Chicago, Illinois
2. Armor Research Foundation
   Chicago, Illinois
3. General Motors
   Authority
   Asheville, North Carolina
4. IBM Corporation
   Endicott, New York
5. IBM Corporation
   (Research Division)
   Endicott, New York
6. Federal Aviation Agency
   Kansas City, Missouri

Friday
1. Speed Warner Corporation
   Chicago, Illinois
2. Hughes Aircraft Company
   Canoga, California
3. Sperry Rand
   Los Angeles, California
4. Sperry Rand
   San Francisco, California
5. Sperry Rand
   Portland, Oregon
6. Sony Corporation
   Tokyo, Japan
7. California Basic Extended South
   Sacramento, California

Tech Faculty Club Elects
Parduhn, Barnett, Chiarulli

Armour Faculty Club elected new officers for the current year at its annual meeting, January 16. Walter Parduhn, Illinois Tech’s Superintendent of Buildings and Grounds, was elected president for the year.

Your Future in Electronics at Hughes

As the West’s leader in advanced electronics, Hughes is engaged in some of the most dramatic and critical projects ever envisioned.

The treasurer for the coming year will be Dr. Leonard Grossweiner, Associate Professor of Physics, and Dr. Leonid Astoroff, Professor of Metallurgical Engineering, will act as secretary.

The first vice president will be Orville Barnett, AFR Assistant Director of Metals and Ceramics Research. Dr. Peter Chiarulli, Professor and Chairman of the Mechanics Department, will serve as second vice president.

The theme of the club this year is to increase interest in the Armour Faculty Club.

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Dr. Andrew Fejer, Professor and Director of Mechanical Engineering, was appointed as Chairman of the House Committee.

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Your Future in Electronics at Hughes

As the West’s leader in advanced electronics, Hughes is engaged in some of the most dramatic and critical projects ever envisioned.

Challenging for your imagination and development are to be found in such diversified programs as:

- Project Surveyor (soil bearing limitation)
- Communications Satellites
- Plasma Physics, Ion Propulsion
- X-ray Solid State Materials and Devices
- Digital Computer Systems
- Hydrospace Electronics
- Infrared

These are among the more than 500 outstanding programs now in progress at Hughes. These programs require the talents of E.E.s and Physicists who desire to work with professional scientists in research, development, and manufacturing.

In addition, Hughes sponsors advanced degree programs for academic growth. These programs provide for advanced degree study at many leading universities.

Electrical and electronics engineers, B.S., M.S., and Ph.D. candidates in electrical, electronic, and computer engineering programs will be offered by Hughes. For interview appointment and information about the program, contact your College Placement Director. Dr. Walter Parduhn, Placement Office, Hughes, Culver City, California.

Creating a new world with Electronics

HUGHES

HUGHES AIRCRAFT COMPANY

March 2, 1962

One of the questions asked on the basis of the painting that Mrs. Hunsaker is trying to paint is what is the problem that is causingMrs. Hunsaker to become so anxious. It is said that the problem is strong, is not the problem of Grandma Moses or of Grandma Matilda, but the problem is strong, it is the problem of Mrs. Hunsaker’s life. When Mrs. Hunsaker is asked what is the problem that is causing her to become so anxious, she replies that the problem is strong, it is the problem of Mrs. Hunsaker’s life. When Mrs. Hunsaker is asked what is the problem that is causing her to become so anxious, she replies that the problem is strong, it is the problem of Mrs. Hunsaker’s life.
Dearstyne Pans Hohenberg Show; Calls Her 'Decorator'

by Howard Dearstyne

I always prepare my lectures on the history and analysis of painting with a brief discussion of current art shows in Chicago. When art invades the campus, as it has Mrs. Marguerite Hohenberg’s exhibition of abstract watercolors, it is all the more important to say something about it, because one cannot avoid seeing it and this could be detrimental.

So, a week or so ago, at the start of a lecture devoted to Nicholas Poussin and some other French painters, I said what I thought about Mrs. Hohenberg’s works. I didn’t want anybody to think that she might be some-as-yet-unrecognized Poussin or even another Rembrandt, Titian, or Giotto. Feeling it, therefore, to be my duty to pan bad works if I were to enjoy the privilege of praising good ones, I let Mrs. Hohenberg have it.

I couldn’t very well leave a lot of students with the belief that Mrs. Hohenberg’s work, since it was being publicly on the campus, must have merit. I felt bound to scoff at the notion that everything that is exhibited in the Student Union on, or for that matter, the Art Institute, is good art.

Not Grandma Moses One of the first things that occurs to a person, when he learns that Mrs. Hohenberg started painting at the age of 55 and that she is now 79 and still going strong, is that she is another Grandma Moses—the Grandma Moses of abstract art. Well, Grandma Moses, with her home-spun, Currier-and-Ives-like country scenes, had a kind of minor but, nevertheless, authentic talent. Her talent was well-suitied to the creation of illustrations for nursery Christmas cards. Thank Heaven, though, that the flood of Grandma Moses Christmas cards has now abated somewhat.

—Howard Rum Henry is an assistant professor in the Department of Architecture where he teaches the "History and Analysis of Art" and "Space, Structure, and Propriety in Architectural Expression." He received his A.B. from Columbia and a Diploma in Architecture from the Bauhaus, Dessau, Germany, the only American ever to graduate from there where he studied under Mies van der Rohe, Paul Klee, and Wassily Kandinsky. He is the co-author and translator of several books including books about Villonburg, Virgilst, Kan- dinsky, and Mondrian. He is a registered architect and is considered by many to be an expert on the revitalization of Villonburg; he is also a noted photographer in his own right.

Far be it from me to suggest that Grandma has gone to her reward, that Mrs. Hohenberg stop in and fill the awful void left by her passing, though there might be lots of money in it and though many of Mrs. Hohenberg’s things could be construed as sort of Christmasy, depicting, as they do in a nebulous way, Outer Space and the Hereafter; the Union’s Union, Universal Broth- erhood, both verdant and in- terbreast; the Ultimate Esplanade, Faith, Hope and Charity in the Subsequent World and the like. I am against such an undertaking on her part, however, because I am afraid that well-meaning friends, seeking to cater to my art taste, might send me some of her cards.

Guggenheim Museum In the February 15 issue of the Tech News, Mrs. Hohenberg is shown holding up a picture of some owned by the Guggenheim Museum. It is natural for an artist to take pride in the fact that such-and-such a museum owns one or more of her works; it proves she’s good.

But I would like to point out that the Guggenheim’s (and others) do make mistakes. After all, they built Frank Lloyd Wright’s impossible museum, but this architecture and not so much to the point. They have also, however, bought some very bad paintings in the past. If, for example, one were to search the basement of the Guggen- heim, he would find (unless they have been secretly destroyed) a large quantity of huge abstract canvases by one Rudolf Bauer, a sign painter if there ever was one and a rank imitator of Wassily Kandinsky, the Columbus, anto- speak, of the new world of ab- stract art.

A certain curator (not James Johnson Sweeney) paid huge sums for these worthless works and now, figuratively, they have been consigned to the ash can (ergo, Ash Can School of Painting). It just doesn’t seem to have enough confidence in curators. Wassily Kandinsky used to crinkle up his nose and chuckle whenever anybody mentioned Rudolf Bauer. I wonder what he would say about some of the people who have settled down in the new country he discovered?

Hohenberg Is Decorator According to Melvin Stark’s article about her in the Tech News, Mrs. Hohenberg first made her mark as an interior decorator. To love, that the term I’ve been groping for all along—"interior decorator." Mrs. Hohenberg has never left behind an interior decorator, though. She now paints her decorations. The thing to ask oneself is not whether her work are good paintings, for they are surely not that, but, rather whether they are good decorations. In the realm of art, they say, one man’s opinion is as good as another’s, so I can only speak for myself. Well, I would never let Mrs. Hohen- berg decorate my pad. I am sure to be asked why I say such incompetent things about Mrs. Hohenberg’s work. Since, after all, she employs forms and techniques of the same gen- eral sort that Wassily Kandinsky himself used. The difference, of course, between good abstract art and bad abstract art lies in the manner in which those resources are used. Kandinsky was a painter of fertile imagination and deep aesthetic understanding.

Mrs. Hohenberg’s work betrays an aridity of inventive power and a superficiality of the mean- ing of art. She uses free and geometric forms in combination and these forms are almost in- variably insipid and banal. Seeking to create a rhythm of geo- metric and other shapes, she re- yields the artist and mechanical manner. Her color is very often cheap and twodimensional. Her pic- tures have no essential unity, they are meaningles exercises in paint. If I were asked to prove these claims, I would have to answer that they can’t be proven—that nothing can be proven in the field of art. The only sound basis for the judgment of art is feeling and one can’t demonstrate the validity of this.

Programming

Class Begins For Techawks

Two computer courses are being offered to Technology Center personnel. A programming course for the Unix 1105 Com- puter will be resumed this spring. Instruction is aimed at enabling each participant to begin programming upon comple- tion of the course. The seven hour course will be given from 9 to 11:30, March 20, 22, 27, and April 24, 26, and May 1. Classes are held in the Physics Division Conference Room 3440 S. State. Persons interested can register by calling Jim Dietz ext. 2482.

The second in a series of lectures in the Forta Computer language for IBM 1620 will be given Tuesday in 303 Main Building. The non-credit non-credit course is being conducted by Mr. Boulware, Applied Science Representative of IBM.

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TECHNOLOGY NEWS

February 23, 1962

I Don't Know, Marty — What Do You Want to Do?

by Peter Stanley

Biggest news this week is, of course, the two major exhibitions. There is the Chicago Sportswear's Vacation and Trailer Show at the International Amphitheatre. The show, an annual affair, covering all that is current in trailer and camping, has several displays set up by the areas most popular for activities of this sort. Admission for the exposition, is $1.50.

Running concurrently is the Chicago Automobile Show, at McCormick Place. Admission is $1, and the doors open daily at 11 am. The show runs through Sunday. In addition to the standard lines displayed, the show features foreign machinery (two Ferrari and a truck). Several new models are being introduced at this time. Dodge presents a curiously version of its Senior line. The car could be best termed "Son of Chrysler" or perhaps "The worst of Dodge," for it is nothing more than the front panel of a '61 Dodge severely and permanently welded to a '62 Chrysler. Corvair presents a very elegant variation of its Monza, dubbed the Spyder, and fitted with a 150 hp turbocharged engine, special instrumentation, and wire wheels as optional equipment. Among the Special cars at the show is a nightmare out of Ford called the Gunson. Working on the philosophy that blowing some causes accidents, and accidents mean more money, Ford has created a two-fooled mistake that makes all the easier to mortally injure yourself in the event of a blowout.

Campus Clips

RW Plays Normal; MIT Gets IBM 7090

edited by Fern Kraus

Roger Williams, Kapp recording star, who will appear here on March 5, will also appear in the McCormick Gymnasium at Illinois State Normal University on February 25, reports the Vidette, State Normal's weekly paper.

At the Illinois School of Mines & Metallurgy, Professor Leo, Director of the Missouri School of Mines, and Metallurgy Computer Center, programmed their Electronic Digital Computer to compute Federal Income Tax form 1040.

And, at MIT, more computers in the news. A new, all-teller IBM 7090 data processing system is now in operation in their computer center. The 7090 is six times faster than MIT's previous IBM 7090, and occupies approximately half of the space. The new computer is available free of charge to MIT and other New England colleges. It has its first work at registration where it proved quite efficiently by speeding up this process markedly.

In the TECHNOILE, Georgia Institute of Technology's paper, the opening of a new multi-million dollar SEU building was announced. Two outstanding features include: (1) a system into which almost every TV and complete intercom systems could be wired, and (2) the entire fourth floor of this building is devoted solely to research.

At Northwestern's Evanston campus, its faculty have sparked a movement protesting government encouragement of fallout shelter construction. A letter was addressed to President Kennedy charges that the shelter program increases the probability of a war, because we may be more willing to go to the brinks if we think survival is possible. Among the members of the faculty who signed the letter include, Professor David B. Sarto, chairman of the editorial department of the Medill School of Journalism, who was recently employed at Illinois Tech last semester.

Techawks Hit Tuition Hike In Past Choice

The Question: Would you have come to Tech if tuition rates had been higher at the time you applied? (Provided you had been accepted.)

Eldred E. Skeene, Psychologist. At the time that I was applying to ITT, I was under the illusion that it was a great school. In my case financial problems were not too great, consequently I could have afforded to pay a little more.

Jim Duke—B.S., G. 5-6. At the time I entered Tech, tuition had been higher, I would not have come. I don't believe the academic reputation of this school merits a high tuition, comparable to other midwestern schools.

Denny Bethman—Undeclared, R. If I hadn't had my money at the time I would not have come.

IBM WILL INTERVIEW MARCH 1

Candidates for Bachelor's or Master's Degree are invited to discuss opportunities in Engineering and Sales.

E. IBM has an Exceptional Growth. IBM has had one of the exceptional growth rates in industry. It has been a planned growth, based on innovation and products having an infinite expiration date in our modern society.

Diverse and Important Products: IBM develops, manufactures and markets a wide range of products in the data processing field. IBM computers and added products play a vital role in the operations of business, industry, science, and government.

Across-the-Country Operations: Laboratories and manufacturing facilities are located in...
Dr. Malhitl Advocates More Choice for Undergraduates Work

by Leo Pollock

"It would be to the undergraduate's advantage to take more liberal arts courses, although, this may mean changing certain very specialized courses," says Dr. Robert Malhitl, assistant professor in the Physics department. Dr. Malhitl has definite opinion ranging from how to improve the individual undergraduate to how to raise the standard of the Physics department and the school.

Tech Ranks 34th

He believes that the student should have more choice in the selection of his subjects with more room for electives. He admits that some of the physics courses should be redesigned so that greater emphasis could be placed on electives.

Illinois Tech currently ranks 34th in the country in the number of Doctor degrees issued in Physics. This is in comparison with other schools of our size that have more progressive, Malhitl contends.

More Grad Students

One of the ways to bring about this improvement is to encourage a greater number of graduate students from other schools to come here for their graduate work and to increase the number of Doctor in the Physics department teaching staff to 15. This would improve the quality of instruction and lessen the teaching load per instructor so that more time could be devoted by each to research and study.

Malhitl looks forward to the current Committee on Institutional Planning to bring these changes about.

Dr. Malhitl

Evaluating Our Future in the hands of men not yet hired

Our future is in the hands of men not yet hired.

At Western Electric we play a vital role in helping meet the complex needs of America's vast communications networks. And a career at Western Electric, the manufacturing arm of the nation-wide Bell Telephone System, offers young men the exciting opportunity to help us meet these important needs.

Today, Western Electric equipment reduces thousands of miles to fractions of a second. Even so, we know that our present communications systems will be inadequate tomorrow, and so we are working steadily to keep up with—and anticipate—the future. For instance, right now Western Electric engineers are working on various phases of solar cell manufacture, summarizing, data transmission, telephone, electronic central office, and computer-controlled production line...just to name a few.

To perfect the work now in progress and launch many new communications products, projects, procedures—processes are not yet in the minds of men, we need quality-minded engineers. If you feel that you can meet our standards, consider the opportunities offered by working with our company. In a few short years you will be Western Electric.

Qualifying opportunities exist now at Western Electric for electrical, mechanical, industrial, and chemical engineers, as well as physical scientist, liberal arts, and business majors. All qualified applicants will receive careful consideration for employment without regard to race, creed, or national origin. For more information about Western Electric, write College Relations, Western Electric Company, 539 Broadway, New York 12, New York. And be sure to arrange for a Western Electric interview when your college representatives visit your campus.

Dennis Newton

Malhitl's research is concerned with fundamental particles, weak interactions, and, in particular, with the decay of mu mesons. He explained that an exciting new theory, "axiomatic fundamentals of statistc," promises to rival Newtonian physics, the Maxwell equations, and Einstein's theories in significance and importance. He explained, "This new concept, which is less abstract than the field theory, promises to provide more insight into the strong interactions which are now only partially understood. This theory will predict fundamental particles and their fields."

Is it the physicist's task to provide theories and concepts by which a few observations may be used to explain much or "as a minimum of input should yield a maximum of output," Malhitl said.

Our future is in the hands of men not yet hired.

Western Electric

Four belts and a folding frame, as well as the phases of plastic manufacture, summarizing, data transmission, telephone, electronic central office, and computer-controlled production line...just to name a few.

To perfect the work now in progress and launch many new communications products, projects, procedures—processes are not yet in the minds of men, we need quality-minded engineers. If you feel that you can meet our standards, consider the opportunities offered by working with our company. In a few short years you will be Western Electric.

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Western Electric
Take Entries For Wunsch Prize Award

Manuscripts for the Wunsch Foundation Materials Handling Prize Awards are now being accepted by Dr. George J. Remick, director of Illinois Tech's department of industrial engineering and chairman of the faculty board of review.

The contest is open to all enrolled students of Illinois Tech day, evening, undergraduate or graduate. Manuscripts should deal with some aspect or problem of material handling equipment.

The latest date for submitting manuscripts is March 15, 1962.

Fraternities Announce Pledges and Plans to Initiate

Pledging and initiation ceremonies are the main activities on the quad these days. Variety will be added by the Delta's Beanznick party and Phi Kappa Sigma's Black and Gold Ball. This Sunday Kappa Phi Delta will initiate Vicki Scallen, Elaine Price, and Fina Krass. On Feb. 6 Tau Kappa Epsilon accepted Doug Boucher, John Collins, Ron Bills, and Richard Tulevski into the brotherhood. Friday night the Phi Kaps will initiate Dennis Wengert, Paul Weaver, August Bauer, Carl Meier, and Ron Orrell. Saturday Alpha Sigma Phi will initiate eight new members, George Morrisey, Mike O'Mahoney, John Bizberger, Ted Geonaras, Ted Tedal, Jim Siepich, Dick Eifert, and Bill Christiansen.

At Pi Kappa Phi Jerry Rago, Mike Gould, Bill Lauffer, Pete Neudorfer, Dan Brokst, Jim Murphy, Larry Don, and Wendell Sanders will be initiated Sunday. Last Sunday Alpha Epsilon Pi initiated Neil Beckner, Gary Eldred, Jack O'Meara, Harvey Iglau, Neil Keckel, Howard Rothblat and Al Stiefel. Alpha Epsilon Pi was tops on the quad in the number of second semester pledging. The AEP's pledged Sid Blatt, Al Glass, Harold Kabb, Keyvan Mehrizarian, Nace Sherr, Dave Root and Jim Rubenstein. Triangle pledged John Jeffrey, Larry Marek, and Dave DePecie.

The Delta's new pledges are Al Grutovac, George Siedenbrecker, and Joe D'Angelo. Five men pledged Alpha Sigma Phi, they are, Jim Trzyniak, Vadney, Bledsoe, Scott Roach, Lloyd Walker, and Dan Decker. Tau Epsilon Pi has accepted Jack Ahrums, John Davidson, Jerold Dollas, Keith Gladin, Lee Lipner, and Steve Tomek as pledges.

Pi Kappa Phi pledged John Garrad, Tom Wells, and Bill Blattner, John Dory and John York pledged Sig Eps. Bruce Zimmerman pledged Tau Kappa Epsilon and TX pledged John Jacopi. New Phi Kap pledges are Dave Hester, Mike Hester, and Mike Tolver. Kappa Phi Delta Sorority pledged Helen Sten.

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MARCH 8

when the Bell System Recruiting Team will be here. The Placement Office is now making appointments for interviews with representatives from the following companies:

BELL TELEPHONE LABORATORIES—world leader of communications research and development

AMERICAN TELEPHONE AND TELEGRAPH COMPANY—long lines department—builds, operates and maintains the world's largest communications network

WESTERN ELECTRIC COMPANY—the nation's largest manufacturer and supplier of communications equipment

SANDIA CORPORATION—design and development of advanced phases of nuclear weapons

ILLINOIS BELL TELEPHONE COMPANY—an operating company of the Bell System representing all Bell Telephone Companies across the nation

This team will consider all qualified applicants for employment without regard to race, creed, color, or national origin.
Tech News Reviews Club Doings for Week

The following campus and off-campus organizations announce their meetings for the coming week:

ITWA
Applications are being accepted for junior representative to ITWA. Applicants must be in their fifth or sixth semester now and should submit applications to Janet Sharp, Room 209 Carman Hall, by noon on March 5. The annual meeting June 13-16 at the French Lick Sheraton Hotel, French Lick, Indiana.

NSPE
The National Society of Professional Engineers will hold its annual meeting June 13-16 at the French Lick Sheraton Hotel, French Lick, Indiana.

AFO Book Exchange
Books and money will be returned from February 26 to March 9 on Monday, Tuesday, Wednesday and Friday from noon to 2 p.m. and other hours when available in the AFO office in the HUB basement. The book receipt slips must be presented when claims are made. Books and money not claimed in this period are automatically forfeited to the book exchange. A service charge of 10% is withheld by APO for books sold.

Rho Epsilon
Rho Epsilon, honorary radio engineering society, is accepting applications for membership. All juniors and seniors with a 2.5 or better GPA are eligible. Deadline for applications is March 2, 1964.

ITARA
Illinois Tech Amateur Radio Association will hold a meeting in the HUB from 12 to 1 pm today. Election of second semester officers will take place, and the constitution will be discussed. Everyone invited to attend the meeting.

AIEE Meets First Time; Plans Future

Illinois Tech's chapter of the American Institute of Industrial Engineers will hold its first meeting next Tuesday at 12:30 p.m. in room 119 EEM. Mr. Herbert Roederman, Clarence of Industrial Engineering, will speak on a topic in that field. The speech will be followed by a question and answer period.

Jerry McNeill, vice-president, has arranged for the first field trip to be held on March 6 at the Aven Company in Morton Grove. The tour will start Avon at 1:45 p.m. and last until 3:15 p.m. There will also be a short question and answer period with industrial engineers. Reporting times and cars for rides will be posted in the industrial engineering office.

Two other field trips are planned for the semester. The March 1 and May 3 trip have yet to be planned. The schedule for the new season will be rounded out with two more meetings on April 10 and May 1 and a senior smoker on April 27.

Summer Jobs in Europe

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**Loras, Wheaton Squeezec Teachawks In Consecutive Final Minute Duels**

by Merry Kesh

The Loras College five, squeezed by the Illinois Techawk last Saturday night, 83-81. Not only did the Tech cagers have to battle the excellent shooting percentage of Loras, but also did the elements as well. The referee deliberated postponing the game because of a rainy roof. The water presented quite a problem to both teams, for it caused many slip.

**Grappers End Successful Season With Split Record**

by Steve Nugent

The Tech matmen finished their season with a close loss to University of Chicago, 15-14. The meet started badly for Tech with three straight losses by Jerry Thomas and Joe Simandell both lost on falls and Steve Nugent suffered a close decision. Captain Dave McQuaid then discarded his opponent's record to wrap up an undefeated season for him. Decisions by Bill Waldo and Claude Didier brought the score to 13-9. Bruce Bonya then took a fall and Dennis Shorty ended with a pin.

**Sharks Contend Against Swim Meet**

by Pete Glew

Another loss was recorded as the Techhawks bowed to a powerful Bradley University swim team. Highest scorer for Tech was Bob Young who placed first in the 200 yard breaststroke and second in the 200 yard individual medley. Credit should also be given to Rick Seiko who took two second places, one in the 220 yard freestyle and the other in the grueling 440 yard freestyle.

The excitement reached a peak in the 40 yard freestyle event and in the 100 it is a possibility for Steve Williams and Bob Young. Wednesday night the sharks met Rockford at the Valentine Roy's Club pool. The results will be reported next week.

On February 24, the sharks will meet Navy pier and on the 28th Wright Junior college. Coach Ted Erickson who recently swam Lake Michigan and has been invited to swim in many parts of the US has been striving to improve the standing of the team with limited success thus far.

**Intramural Basketball Season Closes: Playoffs Commence**

by Joe Hoeh

In the final league game, the Kool Olms ran off to a 26-10 lead at halftime. Although doubling this lead in the second half, the EEE's swapped the APROTC by a score of 61-30.

Leading the "A" champions were Holzworth and Murphy with 10 points apiece, followed closely by Carl and Zak with nine. Rheem and Woltiler led the losers with eight points each.

In the only other scheduled game, the ATEE team forfeited to the CEE team.

In the initial game of the playoffs, the Freshmen Gunners defeated the CEE's by a score of 38-25. After leading by only eight, the Dom team came surging back with 16 points and, with the help of Liche, put the lead to six points at 32-26. Then Papros of the Navy took over and scored three quick buckets to kill the chances of the Freshmen. Fiarro led all scorers with 16 points and played a sharp floor game. Vontian helped the Navy maintain a 12-point lead at halftime as the South team was having trouble finding the range. At the start of the second half, 19-11, at the half, they combined good shooting and rebounding to account for the final result. The Gunners committed only three personal fouls as opposed to the CEE's nine.

Leading the winners were O'Connor and Grubb with 12 and 11, respectively. With good ball-handling ability, Girfved led the losers with 12 points. Leading the Packers with 12 and 8 points, respectively, were Licka and Zaks.

In the next Tuesday's semi-finals, the EEE Coel Olms will play the NORTC "B" and Fowler Hall will play the Freshmen Gunners. The winners of the semi-finals will meet March 2 for the 1961-62 ISMA championship.

**Greeks Contend in Opening Rounds of Basketball Season**

by Bob Anderson

The IF basketball season last Monday with a twin bill. The Delta edged the Ayas, 28-25, while the Sigs, who started off like they finished up last year, over whipped the Phi Kaps by a score of 52-19. On the following night Triangle showed they were again in contention for the championship by beating the Sig Bros 41-36. In the second game on Tuesday TX tied for first place in League II by beating the TKE's 38-32.

The Delta-Age was anybody's ballgame until the last minute. With 53 seconds left Keith Mollard made a basket to put the Delta ahead by a score of 26-25. The Ayas took a shot to try to regain the lead which they had had for all but a few minutes. The Delta cleared the boards and Jickall was fed and made his free throw to put the Delta up by two, 27-25. High man for the Delta were Jickall and Miller with eight and 7 respectively. Plasket was high for the Ayas with 8.

In the second game of the night, Cowenphon was high for the Sigs with 12 points. The rest of the points were evenly distributed among the other Sigs who all saw action as the bench was cleared. Vontian led all Phi Kapp scorer with a total of 10 points. Triangle's big gun was Ranes Miller who had 18 points, 13 of them in the final half when the Trianglers built up a seven point bridge. In the second half he was O'Call's turn as he scored 7 points and helped to stave off a Sig Epsilon late in the game. Holsworth was high with 17 points for the Sig Bros followed by Swinger with 11.

**Why Be Half Safe**

by Steve Nugent

The climax of the game occurred when Illinois Tech was behind by 2 points, with 28 seconds left to play. Captain John Bagley intercepted a pass, executed a fast break, and then was called for a double dribble. The ball of course, was rewarded to the opposition. Minutes of protest were heard from two pro fans. This loss brings Tech's season record to 12-5.

**Return Athletic Gear, Clothing And Equipment**

Stanley Weissman, director of athletics, announced today that all athletic gear, clothing, and equipment outstanding must be returned to the gymnasium. He referred specifically to those articles used over the season break and at the beginning of this semester. Positive measures will be taken to avoid this occurrence in the future.

**Up and Away**

Roy Smith breaks away from Jerry Fiarro in playoffs Paul Fickel of AEPI races away from Delt rusher.