

Tech Coeds "Just Don't Have It"? 'Taint Necessarily So, Brother!

By George Mellor, '52

To one side rule, one differential analyzer, a sprinkling of ground-up integrals and a copy of Burington, add one female chassis along with a head of hair. Shake well and you have what was my personal and imaginary conception of a Technology co-ed. But I was very much mistaken.

in the freshmen class. As compared with the six of last year it seems as though the old one hundred and something to one ratio might be improving. At any rate, without further ado, let us introduce them. Students, Faculty members, men of Technology, meet Nancy Evans, Jean E. White, Betty



Above are eight of the freshman coeds, all that our photographer could assemble at one time. Top, l. to r., are: Mary Margaret McKay, Joan Elizabeth Clark, Gloria Ann Green, Bianca Margulies and May-I Chu. Bottom, l. to r., are: Nancy Evans, Jean Eleanor White and Betty Ann Ferguson.

Along with two other shady characters from *The Tech*, I interviewed those oddities, the freshmen women of Technology. The procedure was stimulated by the presence of male freshmen who, with the girls, will comprise the cheerleading squad on Field Day. **Tech's Getting More Gals**
This year there are twelve girls

Ann Ferguson, Mary M. McKay, Elizabeth Clark, Gloria Ann Green, Bianca B. Margulies, May-I Chu, Janet Zachs, Ann Wilfert, and Caroline S. Littlejohn.
Of course, our first interrogation, like that of the entire questionnaire, was aimed at finding out just why such nice girls, and I could
(Continued on Page 4)

MIT Autocorollator Reveals Inefficiency Of Communications

Transmission Of Ideas Under Present System Becoming Obsolescent

Talking over the back fence no longer is a national pastime and gossiping is on the decline, but even so between ten and one hundred per cent of the average American's modern communication contains no information at all.

That is the conclusion that Professor J. E. Wiesner and his associates, Dr. Y. W. Lee and Dr. R. M. Fano, in the Research Laboratory of Electronics here at the Institute reported recently to the National Electronics Conference in Chicago.

Analyzes Information
Realizing the increase in efficiency which would result from cutting out the "useless elements" in communications, Technology engineers have developed an "autocorollator" which analyzes various communication signals and indicates to what extent they contain real information.

"It is the unpredictable nature of a message," Professor Wiesner told the conference, "which makes it carry information." If one knew what was in a letter, he reasons, there would be no gain from opening and reading it. "The maximum amount of information," he continued, "is contained in a completely unpredictable, random message."

Theory Developed
Working independently, Dr. Norbert Wiener, professor of mathe-
(Continued on Page 2)

Tickets For Dance Recital On Sale Monday, Bldg. 10

Tickets for the only New England performance of Martha Graham, will go on sale Monday, October 3, in the Lobby of Building 10. Sold exclusively between the hours of 11:00 a.m. and 2:00 p.m., the tickets are priced at \$1.00, \$2.00, \$3.00, and \$4.00.

Institute Ticket sales end on Friday, October 7, and one week after that date the seats will go on sale at department stores in Cambridge and Boston for the November 2 performance at the Cambridge Latin School Auditorium.

Seniors Will Have First Fling With "Columbang" Beer, Baseball Picnic

Plans for the Class of '50 Columbus Day Picnic, "Columbang," are now complete according to co-chairmen Thomas J. McLeer and Joseph S. Gottlieb. The afternoon-long outing will take place at Chauncy Park about thirty miles from Boston, near Framingham Center.

Athletic events including baseball, football, and horseshoes will feature the early part of the program along with pretzels and liquid refreshment.

Dancing, Boating

A very special and attractive feature will be lake boats and bicycles provided at no extra charge for those who desire this type of activity. Dance enthusiasts will have use of a dance floor in the lodge with continuous juke-box music.

At about 3:30 p.m. individually-packed box lunches will be distributed. Hot coffee will also be served if the weather warrants it. Following lunch, there will be addi-

Reich Experts Will Study Tech

Delegation To Observe Undergrad Activities For Two Weeks In Oct.

Dr. Everett M. Baker, Dean of Students, has recently received a written request from the Division of International Educational Relations in Washington to cooperate with them by allowing representatives from the United States Zone of Germany to study Technology's student government activities and extra-curricular programs.

The aim of this program is to enable the visiting consultants to observe the organization, scope, and functioning of both student and extra-curricular activities in American colleges. There has been little development of this kind in German institutions.

It is expected that the consultants who work in this field will be in the United States for approximately ninety days and will arrive October 1. The consultants will observe student government and activities at the Institute for two to three weeks.

Technology has expressed its willingness to cooperate with such a program and will lend every assistance to making it a success.

The representatives have been requested to be at the Institute when the student government meets in order to see them in action. They will be here for the meeting Wednesday, October 5, and will attend every other meeting during their visit.

This foreign consultant program is being arranged by the International Educational Division in cooperation with the Office of Military Government for the United States Zone of Germany.

ATTENTION: WHEELS

It will greatly facilitate the more efficient coordination of undergraduate activities if each Organization Head will submit immediately a list of officers and local addresses to Miss Burke in the Institute Committee office in Litchfield Lounge of Walker Memorial.

Eight Senior Proctors Responsible For Peace In Barracks Building

This term, eight Seniors proctor the barracks since the Corporation reopened the barracks only under the provision that living conditions be improved and Institute records and property stored there be protected. This was termed a drastic change in Institute policy by Dean Everett M. Baker.

First plans called for rejuvenating the barracks for about 250 students, but when the dorm applications were tabulated, four hundred students were expected after stabilization. On registration day, the rooms were packed with over 450 students, but services of the TCA and fraternity rushing has led one-third of these to move to other accommodations. Consequently the number of barracks residents has been decreased to below three hundred.

Tech Teachers Learn Teaching

Lectures Here Present Details Of The Fine Art

A series of four lectures concerning the art of teaching has been presented at Technology during the past two weeks. The lectures were primarily for beginning instructors. However, all instructors and staff members were invited.

Professor Walter Whitman, head of the Department of Chemical Engineering spoke about "The Broader Aspects of Teaching" and Professor John C. Slater, head of the Department of Physics, spoke on "The Practical Details of Teaching" last week to groups of about four hundred instructors. This week Alex Bavelas, assistant professor of psychology, spoke on "The Psychology of Teaching." Dean Durrell of Boston University School of Education spoke on the teaching profession. These lectures were all arranged by the Student-Faculty Committee.

This series represents the first time in the history of the Institute that instruction in teaching has been given on a large scale. Last year, however, a few of the individual courses including II, VI, X, and XV helped their own instructors in this manner.

Condemned by Corporation

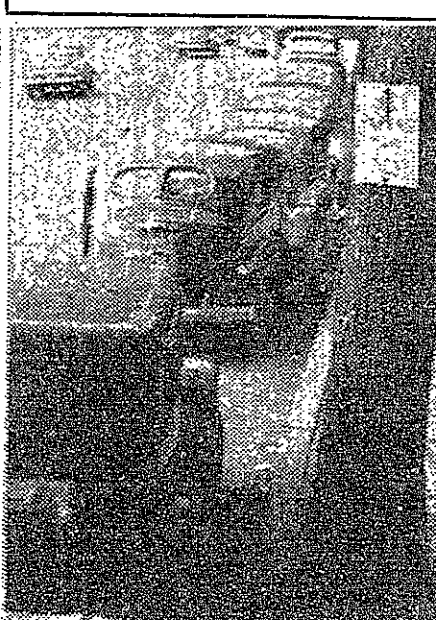
After some of the Corporation members visited the barracks last year, they determined that it was definitely to be closed this summer and presently torn down. However, with Dean Baker's urging, it was reluctantly opened, since the Barracks provide a better housing alternative to a substantial group of students than they can find elsewhere.

Consequently, eight seniors have been placed there to prevent destruction and make Building 22 more suitable for living. This dual purpose is very important as water or fire not only would destroy student property, but also invaluable radar and other research data, as well as research equipment the Institute has stored in Building 22.

No Water Fights

To be able to cope with Frosh-Soph problems, the Barracks have been declared "out of bounds" as far as any Frosh regulations or field day activities are concerned. In order to enforce this and prevent some of the accidents that have occurred in the past, the eight senior advisors have the responsibility of either quieting disturbances, or having the misbehavers removed from the Barracks or any of the other dormitories.

THE GAY ILLITERATES



Ignoring the no-parking sign on the tree, Techmen daily park bumper to bumper along Massachusetts Avenue. Commuting students will meet further trouble when parking on Memorial Drive; the MDC has informed the Institute that all cars parked there at any time of the day will be tagged, effective immediately.

SORRY!

In an article concerning the National Society of Pershing Rifles (*The Tech*, September 27), we erroneously said that freshmen taking an active part in Pershing Rifle activities would be exempt from Military Science. Actually, freshmen are not exempt, but instead of drilling with their regular freshman company, the Pershing Rifle freshmen will drill with the Pershing Rifle unit. We apologize.

Close Dorm Race Held Last Week

Dion and Turner Tie For Representatives

Elections for representatives to the Dormitory Committee ended Wednesday night with the following men elected: Munroe, E. Miller; Hayden, S. Mashal; Wood, R. Powell; Goodale, L. Krivit; Bemis, N. Melissas; Walcott, S. Sussman; Ware, C. Eklund; Atkinson, W. Hill; Runkle, G. Rath; Holman, a tie between L. Dion and J. Turner; Nichols, A. Doering; Craft, H. Limmer.

Those elected in the New Dormitory were, by floors: first, D. Schlatter; second, G. Burns; third, B. Biderman; fourth, a tie between D. Rose and W. Hawe; fifth, B. Wood; and sixth, M. Shubert. Elected from Building 22 were: R. Schmidt, R. Cataldi, and P. LeClair.

In several cases nominees were running without opposition while in others there was an excess of candidates. On the whole, however, the elections went well with a generous turnout for the balloting.

The Tech

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FROM LAST WEEK'S NEWS

Dominating the news last week was, of course, the announcement that the Soviet Union had succeeded in producing an atomic explosion. Only a few hours before the pregnant announcement was made, an unspectacular but significant news article appeared on the first page of the *New York Times* which, in retrospect, presents a strange contrast to the fearsome news that followed. For the first time since March of 1948, when a ban on shipping war-potential industrial goods to the "iron curtain" countries was imposed, the Department of Commerce has issued an export license for a quantity of machinery to be shipped to Russia. The goods in question are some half a million dollars worth of oil field equipment, definitely of war-making capacity, but also vitally needed for any peaceful industrialization.

One needn't immediately assume that the United States has found the self-sacrificing experience of helping Western Europe so uplifting that it has decided to extend its aid to the Eastern Europeans also. In retaliation for our machinery embargo, Russia had barred export to the United States of chrome and manganese ores essential to steel manufacture, and therefore also to war-making. As *Times* correspondent Charles E. Egan put it, "... there were reports in the market here that 40,000 tons of Russian manganese and chrome ores are on the way to United States ports. The reports could not be officially confirmed, but there was general belief here that they refer to shipments dispatched to this country immediately after word of the easing of the United States' ban on industrial exports reached Moscow."

Whether or not the atom bomb hysteria will put a stop to this budding resumption of trade, we don't know. Already several Congressmen have tried to blame the inevitable Russian development of atomic power on some of our own scientists. Congress' reaction will most certainly be to drive us further from any relations with the Soviet, but on the other hand chrome and manganese are badly needed by our steel industry and Russia is our only adequate source. A cynical Communist might say that the re-opening of trade only goes to prove that Americans are a bunch of venal hypocrites who will sacrifice principles for profits. Since most people here regard Communists as being, *ipso facto*, materialistic opportunists they can hardly be surprised at Russia's willingness to deal with us.

The real lesson is that preparation for war, as well as the actual waging of war, is no good for anyone. We need raw materials that Russia has for our peacetime production as well as our war production. Russia needs machinery that we make if she is to exploit her raw materials and develop her industries for peaceful economic expansion as well as wartime might. Under normal conditions both countries would trade their products freely to the benefit of all. If the lofty matter of survival is not sufficient inducement for us to try to find some sort of common ground with the Eastern half of the world, perhaps the simple facts of good business will have to serve.

Also last week Mary MacArthur, daughter of playwright Charles MacArthur and actress Helen Hayes and a promising actress herself, died suddenly of polio. She was nineteen. Somehow the death of a girl, any girl, between the ages of fifteen and twenty-five seems exceptionally tragic to us. In contrast, young children have not yet developed as complete personalities; and the little beggars are getting lost in the woods, or running into automobiles, or falling down holes or into rivers with tedious frequency. One expects the mortality tables to begin to catch up to older people; and the recent war has made the lives of young men come a bit cheap. But there seems to be no good excuse for the death of a girl. Perhaps our attitude is simply that of a young man subconsciously brooding over the waste of good womanhood.

Letters to the Editor

Dear Sir:

As a fraternity man, I read your article concerning the short rush week with great interest. It is true that half a week is hardly sufficient time to select pledges and for the would-be pledges to make a choice. However, your plan of having rushing in May and not taking pledges until they are sophomores has far more objections than you state.

The change-over period would financially ruin nearly every fraternity or raise the monthly bill outside the realm of possibility. It would require that each fraternity get along for a full year on three classes. This would mean that there would be less than three-quarters of usual membership because each fraternity expects its membership to be depleted by marriage, failure and other causes and consequently pledges more freshmen than one-quarter of the desired full membership. Since most charges are fixed or semi-fixed, the resulting financial burden is obvious.

Even if fraternities could struggle through the one year change-over period, it is doubtful that your plan would be effective. Fraternities have discovered over the past few years that it is becoming a struggle to find enough new pledges. M.I.T. could no longer support 26 fraternities if membership were dependent upon only three classes.

You further recommend that all bids be extended at one time. Since no fraternity is sure of having all bids accepted and yet survives only if it maintains membership, each fraternity could have to extend many more bids than it wished accepted. What happens if too many accept? Are the extras told, "Sorry," or do they live outside the house? Neither solution seems wise.

David Chaffin, '50

Certainly there would be difficulties in effecting the proposed change in rushing policy. These problems were carefully considered before printing the editorial, however, with the conclusion that they could be overcome without imposing any great hardship upon the fraternities.

As Mr. Chaffin states, the greatest problem is the one of maintaining full house membership while the change-over is taking place. It is not necessary that the process be completed in a period of one year, however. We shall consider the case of a typical house with a membership of 41, which pledges 12 freshmen under the present system. If they were to pledge three men above the usual quota for the next three years, they would be in a position to forego a freshman pledge class.

When the time came to select men at the end of their freshman year, the houses could maintain a full complement by increasing the number of bids by 1/3 of what they are now. Mr. Chaffin states that many houses have had difficulty in maintaining a full quota with men from all four classes. We believe this to be a direct result of the present rushing system. The IFC has seen fit to allow the institution of two new chapters on campus in the past two years, an indication that fraternity membership has not reached the saturation point.

Reviews & Previews

By MARVIN C. GROSSMAN

With tuition at its present level, even the saving of 85 cents, the admission price to "Roseanne McCoy," will probably be appreciated. The local papers have shouted loud and long about the "world premiere opening" here in town, but after spending two hours at the Astor Theater, we doubt if it will get further south than South Boston.

The so-called "plot" is based on the famed Hatfield-McCoy feud. Roseanne (I've never been kissed) McCoy, played by Joan Evans, is shown in the opening scene being trundled off to a county fair dressed in a burlap sack that she certainly fills better than the potatoes it originally contained. Once let loose on the fair grounds, the buxom lass runs into Chauncey Hatfield, played by Farley (quick-shooting, rough-riding) Granger. Of course the plot looms deep and dark when, much to their horror, the audience discovers that there's another man. The poor chap's name is Brad, and we are given the impression that he intends to marry the shameless hussy.

But here is the catch. Brad's lips have never met Roseanne's, and she has tried with no luck to seduce the fellow. Rosie gets tired of playing games and conditions are soon remedied when roughman Chauncey drags Rosie into the woods. She likes it. The hell with Brad.

Of course this brings on additional complications, namely the fact that she's a McCoy and he's a Hatfield. Things start popping. The most prominent ones being the corks of corn likker bottles and the double barrelled, sawed-off Thompson sub-machine guns that both families carry around. Undaunted by the fuss, Chauncey brings Rosie to his "home," which vaguely resembles a privy. Life is rough "in them thar hills" and after sleeping with the hound-dogs for a few nights (a preacher couldn't be found) Rosie decides that there's no place like home. But love, oh careless love, wins out and Chauncey goes running after her.

This is a wonderful excuse to renew an old feud and the fun begins. After several devilish tricks, such as shooting children and a few miscellaneous knifings, the two lovers are torn apart. But as sure as F equals -kx, they find themselves together again, in a trysting place underneath a pile of rocks. As buckshot whizzes around, the two clench each other in a semi-passionate embrace. At this point the villain of the story, Chauncey's crazy cousin, sneaks up to the happy pair and is about to place a 44 caliber slug in the young lover's panting heart, when the picture

Photo Exhibit Both Educational And Entertaining

The exhibition of American photographs currently presented in the lobby of building seven is not only educational, but entertaining as well. It is fundamentally the application of photography to various phases of life, be they aesthetic or moral.

This anthology of photographs is a cross-section of American photography from 1864-1941. They fall into five general categories: the record of American pioneering and development; the aesthetic and visual interest of objects; the portrayal of human emotions; the recording of well known personalities and news; and finally a group which includes sensational or intriguing events.

From the aesthetic point of view one will find various photographs such as those of Yellowstone National Park. These photographs, incidentally, were instrumental in persuading Congress to establish it as a National Park. If you would call a kiss aesthetic, there is also a photograph portraying this fine art—but the unique part of this picture is that the participants are of the feminine sex.

There are without doubt many intriguing photographs in this exhibition; for example, the Dalton Brothers immediately after death, a portrayal of The Bowery, a giant douglas fir log, the beach at Atlantic City (but don't expect to see any curves, for the participants are clad in the style of the 20's), and many more interesting items too numerous to mention.

The connoisseur will criticize these photographs, the strictly technical man will simply ignore them, but the average Techman will derive enjoyment out of viewing this exhibition.

Autocorollator

(Continued from Page 1)

matics here at the Institute, and Dr. C. E. Shannon of the Bell Telephone Laboratories developed the theory by which any message is regarded as a random collection of signals, one following another in time sequence.

By calculating the likelihood of one signal following another, different signal; it is found that cer-

(Continued on Page 4)

is dramatically ended as Chauncey's pa shoots the fiend. The last few frames show the happy couple sloshing across the river on a horse.

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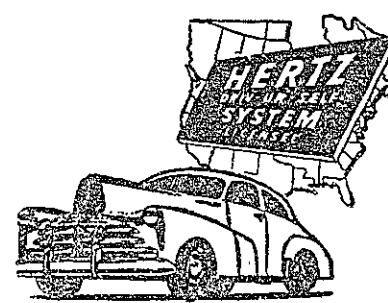


Reading Rooms—Free to the Public, 8 Milk St., 257 Huntington Ave., 84 Baylston Street, Little Bldg., Street Floor. Authorized and approved literature on Christian Science may be read or obtained.

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WMIT Will Reach New Dormitory; Yawn Patrol Aired

At a meeting of WMIT's managing board this week, it was announced by newly elected Technical Manager Bill Harris, '50, that WMIT's Graduate House equipment will be back in operation next week while the new dormitory on Memorial Drive will be able to receive Technology's own broadcasting station in not more than three weeks.

Besides making every effort to increase the listening capacity of the station, steps have been made to increase the quality and quantity of WMIT's broadcasting hours. The latest program at 620 kilocycles on your dial is the "Yawn Patrol." The program, according to its announcers Bob Garvin, '50 and Rip Todd, '51, is designed to make the listener's waking moments just a little more enjoyable. "Yawn Patrol" is on the air five days a week from 8:00 to 8:45 a.m.

In the evening WMIT now goes on the air at 7:00 p.m. on weekdays with music on the popular side. On Monday at 7:00 p.m. it's Hot Jazz

Curtiss-Wright's Knapp, '35, To Speak For I.A.S. Oct. 4

George P. Knapp, a former student at the Institute and now senior project engineer for the Curtiss-Wright Corporation, will speak at the next meeting of the Institute of Aeronautical Sciences on October 4 at 5:00 p.m. in Room 1-190. He has chosen "Electronics in Propellor Development" for the subject of his discourse.

Mr. Knapp, who received his S.B. from Technology in 1935 and returned in 1939 to work one year in the Wright Brothers wind tunnel, is considered one of the pioneers in the development of highly specialized types of instrumentation for the measurements of vibratory and static stress in connection with the Curtiss electric propellers.

Unlimited with Joe Medney, '50, while Tuesday through Friday it's the new Beaver Band Parade featuring the latest in Progressive music plus some old standards of popular music and Jazz with Larry Schneck, '51, doing the announcing.

Field Day Natators Prepare For Meet

35 Frosh, 15 Sophs Report For Practice

News emanating from the rival field day swimming camps shows both squads practicing hard for their encounter four weeks hence.

Thirty-five freshman hopefuls have been working out daily at Alumni pool for the past week and a half. According to Coach Stan Jones, the squad is shaping up fairly well, but additional breaststrokes are still needed to fill out the team.

Sophomore coach Jack Pines has had his men doing special swimming calisthenics in Rockwell Cage until now, and the sophs won't hit the water until next Monday. Fifteen members of last year's squad which lost to '51 by the narrow margin of one point have returned to competition. However, sophomores who did not take part in swimming last year are reminded that starters will be determined strictly on the basis of this year's time trials, not past performance. In other field day developments,

Intramural Football Play Begins This Weekend; 27 Teams To Compete

Thirty-seven teams, representing dormitories, fraternities and other living groups, will compete in the intramural football tournament which gets under way with a full schedule of games this week-end.

FIELD DAY MARSHALS AND USHERS

Sign-up lists for Field Day, marshals and ushers will be posted on the AA bulletin board next Wednesday, October 5. 75 juniors are needed as ushers and 75 seniors as marshals.

it has been announced that a freshman rally will be held in Room 6-120 at 5:00 p.m. this afternoon. Cheerleaders will be present. The next sophomore rally will be a "Schlitz Singers Swing" at a time not yet announced.

Competition is divided into four leagues and will continue through the end of November, after which a tournament among the league winners will be held to determine the winner of the championship, won last year by Theta Chi.

All games, with the exception of makeups of rained-out encounters, will take place on Saturdays and Sundays, on Briggs Field. The schedule for this week-end is as follows:

SATURDAY, 2:00 p.m.

League I

Theta Chi vs. Lambda Chi Alpha
Theta Delta Chi vs. Phi Kappa
Chi Phi vs. Phi Sigma Kappa
Sigma Nu vs. Walker
Bye—Barracks A

SATURDAY, 3:30 p.m.

League II

Sigma Chi vs. Delta Psi
Kappa Sigma vs. Pi Lambda Phi
Dorms vs. Phi Delta Theta
Lenox Club vs. Fegis Club
(Barracks B and Grad House B play on Wed., Oct. 12 at 1:30 p.m.)

SUNDAY, 1:30 p.m.

League III

Sigma Alpha Epsilon vs. Delta Tau Delta
New Dorms A vs. Phi Mu Delta
Phi Kappa Sigma vs. Alpha Tau Omega
Phi Gamma Delta vs. Alpha Club
Bye—New Dorm C

SUNDAY, 3:00 p.m.

League IV

Grad House A vs. Beta Theta Pi
Delta Upsilon vs. Phi Beta Epsilon
Student House vs. Sigma Alpha Mu
Delta Kappa Epsilon vs. Theta Xi
Bye—New Dorm B

NSA Adds Stores To Purchase Card Discount Plan List

10-35% Off Given Old Card Holders; New Cards Will Be On Sale Nov. 1

Last year the National Student Association sponsored the Purchase Card Plan. This plan is a non-profit service by and for students and enables participants to save between ten and thirty-five per cent on items in a large number of stores in this vicinity. The entire list of stores participating in the plan can be obtained in the National Students Association in the basement of Walker Memorial Building.

Purchase Cards bought last spring will expire on November 1. New cards will be on sale at that time.

For the convenience of students who purchased cards last spring, the following list is a supplement to the list issued with the card last spring.

Actor's Theater Inc., Boston Conservatory of Music, 31 Hemenway Street 15%. Allen's Cleaners 1414 Beacon St., Brookline, Laundry & cleaning 10% discount. The Anna Shop, 1326 Beacon St., Brookline. Women's accessories — 10% discount. Brookline Fabrics, Coolidge Corner, Brookline—10% discount. Central Stove & Hardware Co., 453 Mass. Ave., Cambridge—10% discount. Central War Surplus Co., Central Square, Cambridge—10% discount. Dickson-Ritz Rental Co., 649 Mass. Ave., Central Square Cambridge, 20% discount. Evans Optical Co., 110 Tremont St., Boston—25% discount. Guaranteed Appliance Co., 113 Canal St., Boston—15-35% discounts rugs, furniture. Hattie's Specialty Shop, 54 Winter St., Boston, Women's lingerie, etc., 10%. McCarthy's Shoes, Andrew Square, 598 Dorchester St., Boston—10%. Automotive Electrical Service, 527 Boston Ave., Medford—15% discount. Gammell's Gas & Oil Co., 46 Broadway, Arlington, Batteries—20%, tires 20%. Rose Hardware, 531 Medford, Somerville—10% discount. Somerville Sporting Goods, 1 Holland, Somerville—10-20% discount. Macy's, 520 Mass. Ave., Cambridge—20% discount on furniture etc. Putnam Furniture Co., 1045 Mass. Ave., Cambridge—10% discount.

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Cath. Club Dance Tonight Features Techtet, 350 Girls

The Techtet will be featured during the intermission at the Technology Catholic Club's annual Acquaintance Dance, which will be held tonight in Morss Hall of Walker Memorial. 350 girls from neighboring schools will attend this dance, with Hal Reeves and his orchestra providing music for dancing from 8:30 until 12:30.

Having won the All-Tech Sing for the past two years, the Techtet has become one of the outstanding singing groups in the Boston area. Tonight, this group, besides making its first appearance of the school year, will also be appearing for the first time under the direction of Paul Rothery.

Under the leadership of John Weaver, the committee has secured several other presentations to fill the breaks between dance sets. Among these are the Vodka Polka Dance Group and a balloon dance. Games, prizes, and refreshments

Autocorollator

(Continued from Page 2)

tain combinations of words, letters, or signals occur very often. They are what Professor Wiener calls the "redundant" elements. If one can predict in advance, for example, that the letter "h" is going to follow "t," then the "h" itself conveys no information; it is redundant and could be eliminated.

In practice, of course, it is not as simple as this. "But," says Professor Wiener, "we can say certain things regarding the probability of an event's happening. We can say, for instance, how likely it is that 'h' will follow 't'; we can discover what is called the statistical structure of a message."

Simplifies Communications

All this may have important benefits in simplifying man's com-

will round out the evening's activities.

Tickets will be on sale at the door tonight. Admission is \$1.25, tax included. All Technology is invited to this dance, the only all-school acquaintance dance of the term.

munication systems. For a system that is able to weed out and not transmit those parts of a message which the receiver can predict would obviously have higher efficiency.

In a television picture, for example, the background may remain the same for several seconds while the actors move rapidly. Over this period that part of the television signal which represents the background is predictable and needn't be transmitted at all. What is needed is a way to "filter out" the redundant signals, thus saving the energy that is normally used to transmit them.

"One of the first steps in this direction," said Professor Wiesner, "is to analyze any series of signals comprising a message and show to what extent they are predictable—and hence contain essentially no information." Toward this end the "autocorollator" was developed, and it is with this machine that Professor Wiesner has reached his conclusion that from one-tenth to nearly all of the average message today is transmitted in signals which are predictable and hence redundant.

Coeds

(Continued from Page 1)

see that they were nice girls, ever came to the Institute. Beautiful dark-haired Nancy (KI 7-5290) voiced one of the typical opinions that "it was an outstanding school, and I want an education." Nancy is a local Cambridge lass who decided that Harvard wasn't the place for her.

Rugged Individualist

We interrupted Jean's (CI 7-3646) conversation with the freshmen boys long enough to find out that she entered the Institute because "everybody told me not to." Against the better wishes of her compatriots Jean later volunteered the information that her "big sister told me not to go out on weekdays, but I do."

When Mary denied that she came to the Institute because it had many men therein, she was subjected to not a little heckling from the freshmen gallery. The statement stood modified.

May-I is one little girl who has been around. She couldn't exactly put her finger on the berg from which she came, but it seems as

though May-I has seen the most of Nanking.

Her Dad's An Alumnus

The happiest soul seemed to be Gloria. They were rare moments when she wasn't laughing. In contrast, were Elizabeth and Bianca who were seated on either side of Gloria and tried to give good answers to our silly questions. Elizabeth, by the way, is a second generation Techman (Techwoman ??). Her father (not her mother) graduated from the Institute way back when.

Of blonde hair and cute face is Betty Ann. She's already found out that Techmen are fairly good sailors. The thing for Betty Ann to do is find out what else they can do.

For some reason or other, the girls do not like their freshmen ties. They think they look fine on men, but on themselves—well they just don't seem to go with anything.

They Like Techmen

Finally, we had to poll their opinions on the Joe Doaks they meet in their classes. They range from "nice" to "wonderful" which is encouraging.

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