



New Orientation Program Successful

By SHELTON ZAKLOW

The new "discussion group" Freshman Orientation program offered to engineering and architecture students last term, was found to be successful in its trial run and is being continued and expanded for the spring and fall semesters.

The core of the program are small groups of about fifteen freshmen led by an upperclassman specially trained as a discussion leader. The leader prepares topics, writes outlines, and guides the

course of the talks.

In the fall semester there were 34 freshman groups. Some of the topics discussed were: Responsibilities and opportunities of the City College Faculty (administration, students, faculty); personal values, purposes of a college education, character of a gentleman, and human relations.

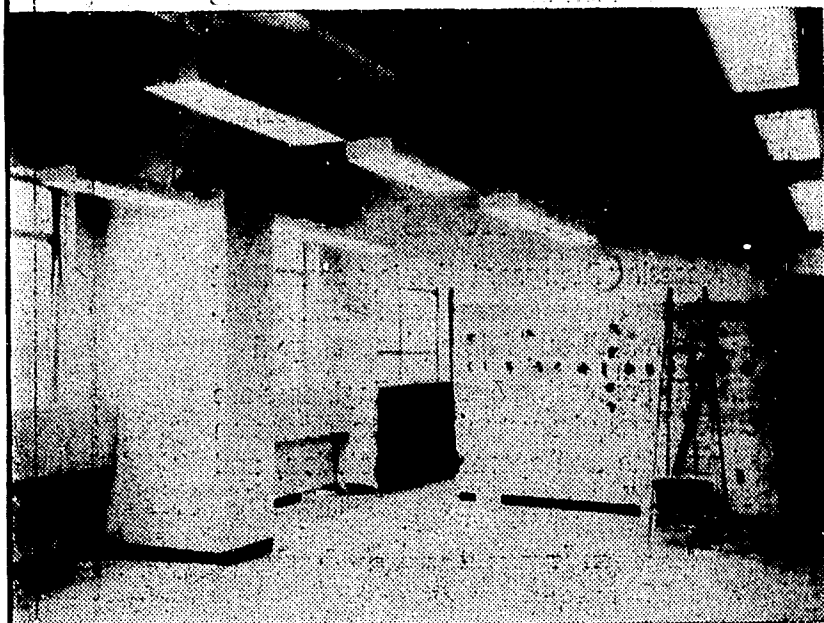
According to Dr. John D. Hickey (Student Life), director of the program, "the major purpose of discussion and a discussion program is to get the student to think about themselves, future opportunities, a philosophy of life, and social and interpersonal relationships. We want to encourage engineers to become more 'people oriented.'"

Evidence of the success of this (Continued on Page 4)



Prof. John D. Hickey

Computer Arriving; College Readies Rooms



Rooms 2 and 3 in Steinman Hall where the IBM 7040 will be installed.

By HARVEY HOFFMAN

The College's new IBM digital computer will be delivered on March 27. Prof. Demos Eitzer (EE) stated that the computer, the IBM 7040, "will be used for instruction and research." Qualified members of the faculty will be allowed to use it. The computer will be used extensively in the graduate program. At present, there are no plans for the Registrar's Office to use the instrument, but "if eventually the Registrar asks us to compile statistics for them, we will."

Immediately following the Easter vacation, two five-week courses in computer programming will be offered. There are no prerequisites and any student may enroll in the course. Prof. Eitzer mentioned that "the courses will include many assigned problems," so that the students may set some

practical experience in the operation of this type of computer.

"This term we will have six key punchers available but, in the fall there will be ten key punchers." Also, next fall the College will offer many of these computer programming courses.

Rooms 2, 3, 4, and 5 in Steinman Hall are presently being rebuilt to house the computer complex. They are expected to be ready by the time the IBM 7040 arrives.

The College purchased a Royal McBee LGP-30 type computer in 1960. It is interesting to compare it with the new one. The IBM 7040 has four times the memory capacity of the LGP-30. It is one thousand times as fast as the LGP-30. What this last statement means in practical terms is that a

(Continued on Page 3)

C.O.R.E. HOLDS BLANKET DRIVE

The City College Chapters of The N.A.A.C.P. and C.O.R.E. are co-sponsoring a drive for blankets, warm clothing and other articles which will be of assistance to hundreds of families in the Harlem area living in unheated and often unlighted tenements.

This drive is also designed to encourage tenant participation in the spreading Harlem Rent Strike. This is a movement in which tenement dwellers are joining together to protest the conditions in which they are forced to live. Contributions collected will be distributed to families by the Community Council on Housing. Collection booths will be set up in Finley and Shepard Halls.

L.B.J. Here? Who Knows? Not 'The Post'

By RICHARD ROSENFELD

An exciting rumor has been vibrating up and down the City College Campus for several weeks. Students and faculty have all been discussing the possibility of President Johnson coming to speak at commencement exercises in June.

The basis for this hopeful speculation was an item which appeared in Leonard Lyons' column in The New York Post of Jan. 13. Mr. Lyons reported that the President had accepted an invitation to speak at City College. Little else concerning this was reported.

This reporter decided to do some checking into the validity of Lyons' assertion. A call was placed to the President's press office in Washington. An aide told me that the President's schedule was not announced as far in the future as June, and would give no further information. Then a call was made to Mr. Lyons' office, where a secretary told me that the item was true, "or it would not have appeared in Mr. Lyons' column." She refused to reveal the source of the story, claiming this to be the first rule of journalism. (Truth apparently appears somewhat lower on the list of rules.) A final call was made to the City College Public Relations Office. I was told that at present the President has not yet been invited to speak at graduation ceremonies, although an invitation is usually sent and will most likely be mailed within the next few weeks.

Sadly, it becomes necessary to report that Mr. Lyons' item and the ensuing rumor are obviously not true. It would be a great honor to have President Johnson at City College, and perhaps his support for free tuition might have been enlisted. All hope is not dead though, for there still exists the possibility that the President might accept the school's invitation when and if it is sent.

Engineering Ph.D.'s May Be Doubled By N.S.F. Grants

By SAMUEL EIFERMAN

On Thursday, February 6, 1964 in the A.M. City College spent three dollars in postage to mail an inconspicuous looking envelope to the National Science Foundation in Washington, D.C. In this envelope was the college's application for nine Federal Grants to help the graduate School of Engineering.

A short time before, the N.S.F. had announced a six million dollar program of aid to graduate engineering colleges and universities. This is a three year program designed to aid engineering graduate students to go full time to college.

If a graduate student successfully applies for this aid he is expected to go to college every semester including summers.

Under this program the Institution will get 2500 dollars for every graduate engineering student. The student will get \$2400 the first year, \$2600 the second, and \$2800 the third.

This money will be tax free and can be used by the student in anyway he sees fit.

According to Dean William Allan, of the School of Engineering and Architecture, the purpose of the grants is "to double the amount of doctorates in Engineering." Dean Allan also added that this "will help the City University with its newly founded doctorate graduate program immensely."

Applications for the Grants should be available before April since the Grants are proposed to take effect September 1964.

At the present time, the col-



Dean William Allan

leges engineering graduate school has enrolled over 600 students, mainly going part time, in courses leading towards a Master Degree. There are 31 students enrolled in the doctorate program.

While the College has many fellowships in the engineering graduate school, this is one of the first that will be available to both the Masters and Doctorates degree candidates alike.

Tech Seniors Register; Prof. Eitzer Saves the Day

By WALLACE GOTTLIEB

If you were in the vicinity of Shepard 126 on Wednesday morning, January 29, you heard what you probably thought was a large-scale riot. It wasn't a riot. It was merely the engineering graduates of June, 1964 going about what was once an orderly process — registration.

The story began last term when each engineering senior received a letter from the registrar's office informing him that he would be allowed to pick up his packet of registration cards on January 28, the day before he was scheduled to register. This was being done, the letter said, in order to "help you complete your final registration more quickly."

An engineering senior at the College has an analytical mind. He reasoned: "Pick up cards on the 28th, plus arrival at the registration room at 8 a.m. equals the quickest enrollment I have ever had." But it became apparent that this formula would not work; the problem involved a quantity which was not at all negligible: this was the fact that every other senior had the same idea. So, at 8 a.m. on January 29, almost

three hundred students were lined up in the hall outside room Shepard 126.

When Prof. Demos Eitzer (EE) and his registration staff opened the doors and took their places behind the enrollment desks, the students surged forward, shrieking for their classes. "EE 108A!" "ME 111W!" "Hey, get off my foot!" There was pushing, running, and noise; the situation was bad and growing progressively worse, when Prof. Eitzer, in a not-too-gentle voice, informed the seniors: "If everyone doesn't sit down immediately, nobody will register today!" This had a soothing effect on the registration-crazed students. Most of them took seats.

But then someone noticed that (Continued on Page 3)



TECH NEWS

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Where Were You?

The results of the student mass picketing in Assemblyman Curran's district may not be known until the next election. We know, though, that radio and television are alive to the tuition issue; their coverage of the event was more than fair. This was quite evident to those of us who stayed at home and enjoyed the show in an easy chair.

If two-hundred and fifty students were able to attract such attention, think of what several thousand should be able to accomplish? Not only will a postman help distribute leaflets, as reported by the *New York Post*, but private citizens and civic groups with an interest in their city's future may join in. Publicity will accomplish this end.

The anti-tuition fight is becoming a sore on the side of the Albany Republicans. With their favorite son on the campaign trail, they may be more sensitive to the issue of tuition. On the other hand, their indifference may be only compounded. It may prove slightly disconcerting, at any rate, to Mr. Representative when he sits down to a night of television and views a mass protest instead of a favorite son.

There is still a chance to prove your worth. Get onto the bandwagon and actively support the next anti-tuition rally to be held on Washington's birthday, February 22. Contact the Student Government and let them know you're ready and willing to do your part to send the Free Tuition opponents scurrying for cover.

An Example For All

It is hard to find a group of students at the college that has not, in some way, been affected by the actions of Dean Gottschall. Even as engineers, we were not immune from at least one of his ideas; he helped institute the Humanities and Social Studies sequences.

If the School of Liberal Arts feels it has a monopoly on Mr. City College, then we won't challenge it, but we do maintain that anyone achieving such an illustrious career over a span of fifty-one years must have resorted to some down to earth engineering. Three of our own deans, Deans White, Del Toro, and Hyman, who were appointed only recently, may truly look in awe at the example set by this great man.

We wish to Dean Gottschall and his wife that their future years may be even more fruitful than the past fifty.

Silence Please!

Last term we printed a letter from a student who was angry over the treatment accorded noisy students in the library. After spending some time in the Engineering & Science Library, we are convinced that students are too talkative.

Some of us would like a conducive study area. The solution is simple: shut up!

EE Seniors: Last Chance To Join HKN

The bylaws of the Beta Pi chapter of the Eta Kappa Nu Honor Electrical Engineering Society contains a clause allowing graduating seniors to apply for membership in our chapter on a special consideration basis. To be considered, the student must be an outstanding individual in the top third of his electrical engineering class, and must not have been previously considered for membership.

Anyone interested in applying must submit a letter containing the following:

1. All extra-curricular activities both on and off campus, dates, office or position held, detailed outstanding or original contributions made to the organization.

2. The candidate shall explain why he feels he will become an outstanding electrical engineer and therefore deserving of special consideration at this time.

3. Any additional information he feels is pertinent such as honors, publications, outstanding engineering work, etc.

The letter must be placed in the Eta Kappa Nu mailbox in the electrical engineering office on or before Monday, March 2, 1964.

Club Notes

MATHEMATICS SOCIETY

A Career Opportunity Meeting in Mathematics, sponsored by the Mathematics Society, will be held on Thursday, February 20, 1964 from 12:15 to 2 p.m. in Room 306 Shepard.

Mr. Paul Richards of General Precision Aerospace Group representing the mathematician in engineering, Mr. John F. McCarthy of the Metropolitan Life Insurance Co. Actuarial Division representing actuarial science, and a person from International Business Machines representing programming will participate.

The meeting will be conducted entirely as a question and answer session so students are requested to come with questions.

The Mathematics Society hopes

to have representatives of a different three employment areas at a similar meeting next year, so, while all students are welcome, interested juniors are especially urged to attend.

IEEE

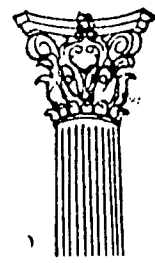
Will hold a recruitment and organizational meeting on Thursday, February 20 at 12:30 in the Harris Auditorium.

A.S.C.E.

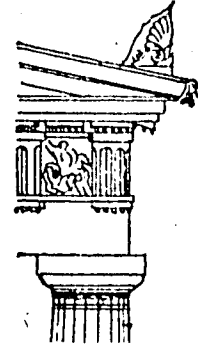
Old Members Meeting, Feb. 20, Room 131 Shepard at 12:30 p.m.

STAMP AND COIN CLUB

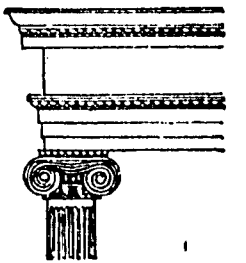
Will discuss policy, and trade coins and stamps. Collectors are advised to bring doubles. Feb. 20 Room 014 Harris at 12:30 p.m.



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IBM will interview March 18. ■

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INTROSPECTION

By WALLACE GOTTLIEB
THOUGHTS ON THE ANTI-TUITION RALLY, OR
"WHERE WAS EVERYONE?"

I hope that the thousands of students who did not last week's anti-tuition rally thoroughly enjoyed Lincoln's Birthday holiday; I hope that they all had a very memorable day off. Next year on February 12 they may have to work all day to earn tuition money.

But despite the holiday-ers . . .

. . . there were some students who realized the importance of an active anti-tuition campaign. But there were too many, not nearly enough to fill the Baruch School's hall auditorium. In fact, when the "block captains" (they supervised groups of student canvassers) left to be briefed, they were called back and asked to sit down again. Their presence made the auditorium seem even emptier than it usually was because they made up almost thirty per-cent of the entire group!

While on the topic of students who are dedicated to the idea of a free City University . . .

. . . I must mention Student Government President Bob Rosenberg. Just before the rally, about forty students outside the Baruch School building were prancing about in front of news cameras and shouting into television microphones. Rosenberg, who had been in the auditorium all morning, stepped outside and called to them, "Come on inside, there's important work to be done."

Just a bit more about the efforts to make this rally a success. In particular . . .

. . . the staff of **Observation Post** is to be congratulated for its fine "Free Tuition Extra," which was published one day before the rally was held. The two-page edition contained news of the demonstration and canvassing, along with information about the free tuition fight, which began in 1947. Besides this, the rally had been discussed in the newspapers on Monday, February 10, and was also given coverage earlier in the **Campus'** special registration issue.

This amounts to quite a bit of publicity, but . . .

. . . there are probably hundreds of students who have said, "I didn't even know about it." A pretty girl sitting next to me told me that she was from the Baruch School. "There are hardly any kids here from Downtown City," she said. "Not so many from Uptown, either," I told her.

Put them both together and . . .

. . . you get an anti-tuition rally which, despite what I thought was a disappointing number of students, has been referred to as a "good start." The canvassing has been called very successful. Thousands of leaflets were distributed, urging voters to realize that a vote for Mr. Curran or his pro-tuition fellow legislators might mean the end of free higher education.

Not only did the people of Peter Cooper Village and Kew-Forest Town learn of the free-tuition fight, but millions of New Yorkers read about it in the city's newspaper or saw the student demonstrators on television. In fact . . .

. . . almost every student at the College saw his schoolmates on television last Wednesday night. How proud he was! "I saw my school on TV last night," he boasted. **This was a total contribution to the cause of free tuition.** He saw his schoolmates on his television set! Why wasn't he there? Doesn't he feel strongly about free tuition? Where was everyone?

No matter where everyone was, last week's demonstration was a good beginning, but it was far from being the end. To quote from the editorial in Friday's **OP** . . .

. . . "Students will be needed to talk to the voters in Republican districts at least until March. If the Assembly again refuses to act on the restoration of the free tuition mandate, our political campaign will go on until November. This is the long haul we must be prepared for."

Computer Arriving . . .

(Continued from Page 1)

problem which would take the LGP-3 1/2 to 1 1/2 hours to solve could only take the IBM 7040 two minutes to complete.

This last feature makes the IBM 7040 ideal for use in the classroom. Prof. Eitzer said that, "A teacher can assign a problem in class and

know it will be done in one class session. With the LGP-30, it would take approximately twenty hours, assuming a class of twenty students, to solve the problem."

Prof. Eitzer stated that there will be further information released during the term relating to the computer itself and to the various programs concerning it.

Registration

(Continued from Page 1)

in the front of the room, many students who had not taken seats like good little boys were still receiving course cards. "Hey!" a student shouted, "Those guys are still getting their cards!" Rallying behind this cry, the crowd rushed forward. Again there was pushing, running, and shouting. "SITDOWN!" urged Prof. Eitzer. Reluctantly, the crowd obliged.

The peace did not last too long. The men behind the desks continued to calmly give course cards to the few students who did not listen to Prof. Eitzer. Again the cry rang out, "Hey! Those guys ain't special!" Again the crowd surged forward. But this time Prof. Eitzer was ready. "Alright, everyone give me his white card," he commanded. When he had collected all of the white registration cards (this was not accomplished immediately),

he shuffled them and proceeded to call up the students in the order of stack of cards. Order had been restored.

The effects were felt later on in the day, too. Prof. Eitzer told us later that on a normal registration day there are usually several "lulls," when the room is not very busy. "There haven't been any today, though," he pointed out.

Prof. Eitzer explained the new system: "In the past, we found that engineering freshmen and sophomores were being closed out of physics and math courses by liberal arts and science upperclassmen, who register early. If the tech seniors got through quickly, then our lowerclassmen would not have this problem." Prof. Eitzer continued, "It didn't work out too well this term. If I had known that they would all come at once I could have collected the cards right away."

Prof. Eitzer left us on an optimistic note: "It'll be fixed."

Tech Age

By JERRY SCHUCHMAN

What was it like: five years ago; ten years ago; twenty-five years ago? Twenty-five years ago, **TECH NEWS** was a two page mimeograph news sheet having had two functions: first to supply the members of A.S.C.E. with a record of past and future events; secondly to provide the budding writers among the staff with a chance to see "how their stuff looks in print."

For the remaining issues of **TECH NEWS**, we will rejoin those news stories of yester-year.

Samples of the **TECH NEWS** of Feb. 23, 1939 are the following:

EDITORIAL

"For the benefit of the new men in the Tech School, it might be said that we have here an honorary engineering fraternity
(Continued on Page 4)

Grow with Us

At Xerox, you become a part of one of America's fastest growing corporations; a dynamic, well established company which is a world leader in the exciting and expanding field of graphic communications. More than 85% commercially oriented, Xerox enjoys constantly increasing operating revenues with which it can explore dramatic new applications of electricity and light. For example:

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- ☐ Information storage and retrieval systems
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- ☐ Research and engineering
- ☐ Finance
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Contact your placement office to arrange an interview with a Xerox representative who will be on your campus . . .

February 25

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Remembrance Rock

By CHARLOTTE KAUFMAN

Engineers, is the cold weather far up north getting on your nerves and making you tense and jittery? If your answer is yes (or no — if you please), there is a remedy. That's right, you've guessed it — walk south. It might be a little warmer there.

When you reach the south campus gates, ask yourself whether you have ever walked up the steps that go past Downer Hall and on, past Benny The Beaver. Although you probably don't like to admit it (it might be damaging to your ego), you have undoubtedly taken this walk numerous times in your college career. However, practically all of you have missed something of interest because it lies a little to the left of this well-trodden path. We are referring to a fairly large, sloping rock near the right side of the Cohen Library and to the left of the path that leads to Downer.

You are probably wondering why we think this rock is so interesting that we went and wrote an article about it. To the geologist, this rock, like others in the area, has evidence of glaciation. Upon close inspection, however, you will notice a memorial plaque. It reads as follows:

To This Remembrance Rock Has Been Brought Precious Earth

Freshmen

(Continued from Page 1)

program was found in the replies to questionnaires given to the freshmen at the end of last term. They were asked to evaluate the orientation program and suggest improvements. Many asked for fewer faculty lectures (given at the beginning of the term, while the discussion leaders were being trained) and more group discussions. This term Dr. Hickey plans to integrate the scheduling of faculty lectures and group work.

On the basis of their discussion leader's evaluation, eleven freshmen were compelled to repeat the program this term.

Since this is a spring term, there are only 40 students enrolled in the program at present. Transfer students are being offered enrollment on a voluntary basis.

Asked why he volunteered for the training program, Discussion Leader Richard Palker (807) replied, "This is my chance to learn how to work with people. It is my chance to do something for myself as well as for others."

For the future Dr. Hickey is planning a comprehensive orientation and leadership training program. After participating as a discussion leader for at least one term, a student will be able to apply for the Instructor Development Training Program, where former discussion leaders will be taught to train the leaders for the coming term. After one term's experience, the Instructor will be eligible for the Executive Development Program, which is a broad gauge program emphasizing philosophies related to leadership and the management of people. The purpose of this program is to make the trainee adept at working with people.

Dr. Hickey believes that "the people who complete this course will be the future business executives and industry leaders." He feels that those who participate "will gain great deal in the kinds of things engineers traditionally seem to lack."

From The Battlefields of Gettysburg, San Juan Hill, Argonne Forest, Normandy Beach and Korea to Memorialize The Gallant Boys of Alma Mater Who Died in Our Wars. Here Also Has Been Placed Soil From City Hall, The Old 23rd Street Building and The Crowded Tenements of Our City to Symbolize The Gratitude of All Those Students Who Here Received A Free College Education. May Remembrance Rock Ever Serve as a Place for Alumni of the City College To Come To, Pause and Remember. 1959.

Presented by the Alumni Association of The City College the Class of 1958.

It is ironic, that a plaque which is meant to remind students of alumni who died, and of the great appreciation that we all should have for the education we are receiving at CCNY, is placed in such an out-of-the-way spot. Next time you have a free period, it would be a good idea to pay tribute to those who died for your country, by going to read the inscription.

Tech Age

(Continued from Page 3)

known as Chi Alpha Pi; its members consisting of out standing students in the four branches of engineering. . . ."

SOCIETY TO SEE PICTURES

"Today at 12:15, sound pictures on the San Francisco Bridge will be shown at the A.S.C.E. meeting in Room 104. . . ."

Certainly we can see the analogy between the "Chi Alpha Pi" of '39 and the "Tau Beta Pi" of '64 — the former serving the needs needs of the local tech students and the latter administering to the desires of the modern engineering and architectural students.

It is also ironic how the '39 student awaited to see "sound" movies and how the '64 student does a change-of-pace by watching Rudolph Valentino pictures.

L'I'L ABNER
Tickets for the Musical Comedy Society's production of L'il Abner are on sale now opposite the Finley Center checkroom. The show will be presented March 6, 7, 13 and 14. Tickets range in price from \$1.50 to \$2.00.
On Thursday, Feb. 20 a rally

will be held for M.C.S. from 1 to 2 in the Grand Ballroom of the Finley Center. Lisa Minelli will perform. Skits will be presented by members of M.C.S., and Broadway star Tisa Barron will be there. All students are invited. Admission is free.

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FACILITIES ENGINEERING Training Program —
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We invite you to discuss career opportunities with the AEC Representative when he visits the campus on February 26, 1964. Contact the Placement Office for further details.

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We'll be on the campus on the dates listed below, ready to give engineering and science seniors and graduate students information on space-age careers in a dynamic industry.

If you are looking for a company offering assignments on programs of unique interest and career potential, you'll be interested in the advantages Boeing can offer you.

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In addition, Boeing's Vertol Division is one of America's leading designers and builders of helicopters. Research projects at Boeing are under way in such advanced fields as celestial mechanics, solid state physics, nuclear and plasma physics, flight sciences, space flight and propulsion.

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Drop in to your Placement Office and arrange for an interview. We're looking forward to meeting you!

Monday — February 24

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