

Seniors and the Recess

Jobs Open for Top Men Despite Recession Factor

Second of a Series

Dr. Lawrence E. Fouraker, professor of economics and an adviser to the Joint Congressional Economic Committee, said the need for graduates is down because of the recession and other factors, but that there is "always a job for the top-notch man."

In a recession, Fouraker said, the first hiring to be cut back effects engineers, accountants, chemists and physicists.

These are the kinds of persons "needed when expanding," he said, but "if you're not building—as in a recession period—you don't need them."

If there is no upswing shortly, Fouraker said, many graduates will have to take the alternatives of graduate school or the army.

The fate of the recession—whether it waxes or wanes—then becomes important to the senior, and even to the junior, who, after all, doesn't have too long before he has to go to work.

Fouraker said there is varied opinion on the future, but his "most optimistic guess," he said, is that "some improvement may be seen in the fall."

"Otherwise," he said, "this could develop into a first-rate depression."

The solution, Fouraker said, is "wise intervention and policies on the part of the government."

However, he said, "even if the administration is inept, it would not be a drastic one." It would not be anything like the one in 1932, Fouraker said, because there are now too many strong structural factors, such as an effective credit control by the government and tighter reins on speculation in Wall Street.

Nevertheless, he said, it is a "cause for concern."

He also said the recent increases in spending alone because of Sputnik will not swing the employment pendulum. Not much more than 20 per cent of engineering jobs are government financed, he said. Therefore an increase of one or two per cent or even ten per cent could bring about at most a total job need increase of two per cent.

Donald M. Cook, assistant director of the University Placement Service, cautioned that recession is not the only reason for a cutback in jobs.

The last five years, he said, has seen a period of extensive hiring, which "reached its peak last year or the year before." Over the past five years there has been much expansion, many government contracts and an increased market, Cook said, and these are factors which create a need for new personnel.

"There are still jobs," he said, "but a guy just has to do a better job of selling himself because the companies aren't bidding anymore."

Salaries, too, he said—which have been "out of hand"—will be cut back this year, or at least increases will not be nearly so great.

Approved Fraternities

All fraternities are approved for the entertainment of women guests tonight except Alpha Phi Delta, Alpha Tau Omega, Beta Theta Pi, Phi Kappa Psi, Pi Lambda Phi, Pi Sigma Upsilon, and Zeta Beta Tau.

All fraternities are approved for the entertainment of women guests tomorrow except Alpha Phi Alpha, Alpha Tau Omega, and Phi Kappa Psi.

Greek Shuts Book On Sleepy Coed

A restless fraternity man called a coed acquaintance in Simmons Hall for a coffee date the other evening.

"Well," the sleepy coed answered, "I've just come in and taken my shower already and I'm in my pajamas and I'm ready to retire."

"I guess you'll just have to turn to the next page in your little black book."

The fraternity man thought for a second, and replied slowly and deliberately: "Frankly, beautiful, this is the last page."

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MI College to Examine Organic Matter for AEC

A study is being made in the College of Mineral Industries of the organic substances in uraniumiferous shales that are of interest to the Atomic Energy Commission.

The purpose of the study is to determine what the organic matter is, according to Dr. Corliss R. Kinney, professor of fuel technology.

Eng Prof Attends Meet

Dr. George F. Wislicenus, director of the Garfield Thomas Water Tunnel and professor of aeronautical engineering, is attending the National Flight Propulsion meeting of the Institute of the Aeronautical Sciences, today and tomorrow, in Cleveland, Ohio.

Emerson Group to Meet

The theological dispute, "If Unitarians are not Christians then what are they?" will be discussed by Dr. Michael Chiappetta, associate professor of education, at 7 p.m. Sunday in the Eisenhower Chapel main lounge. Emerson Society, a Unitarian group, is sponsoring the program.

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Research Physicist Robert W. Pike, like many other physicists, engineers and mathematicians, came to IBM directly from college. His degree is a B.S. in Engineering Physics. Here he tells you why the electronic computer field is fascinating to the graduate with a physics background

What's it like to be with IBM?

"I became interested in computers and transistors at college," Robert Pike recalls. "In fact, my senior project was building a small computer. So, when I graduated from the University of Maine in June, 1955, I naturally turned to the computer field. IBM, recognized as a leader in this expanding electronics area, looked like a good place for me."

Bob Pike began his IBM career as a Technical Engineer, starting with a training program that lasted several months. Then, asked to select the work area of his choice, he picked the Semi-Conductor Device Development Group in Research. "My first assignment," he says, "was to plot various electrical and physical device parameters for a large number of transistors in the form of graphs or histograms in order to obtain correlation coefficients of the device characteristics."

Many fascinating assignments



A problem in saturation resistance

Other projects followed in rapid succession: Work on a germanium drift, diffused base transistor (he was the second of his group to enter this field) . . . work on silicon as a transistor material doing evaporations of impurities on the silicon (he is known as the "pioneer silicon device man" of his group).

"Silicon is better than germanium because of better temperature and voltage breakdown points," he mentions. "But it is difficult to find a material to wet silicon to form alloyed junctions. I recall making the small contacts with an ultrasonic soldering iron."

Bob Pike was promoted to Associate Physicist in December, 1956. His present assignment is leading a group of technicians in fabricating high-frequency, high-power PNP drift transistors. "We use a process I developed," he says. "These transistors will be used as core drivers in a high-speed memory array."

Ask him about this "most interesting" project and he'll tell you, "Working with the evaporation of alloying impurities and designing 'new' semi-conductor devices."

Sold on IBM

Bob Pike is enthusiastic about IBM as a place to work. "The glowing descriptions of my work," he remi-

nises, "the extensive research facilities and the friendly employee-management relations brought two E.E. friends of mine to IBM from Maine, my Alma Mater."

His future? At the rate IBM and the electronic computer field are expanding, he sees great opportunities. Of course, his own progress will be in accordance with IBM's promotion policy—"strictly on merit." He has set a tentative goal of Project Engineer within the next five years and expects to continue to specialize in semi-conductor work.



Plotting resistor characteristics



Reviewing technical publications

Bob Pike lives in Poughkeepsie, N. Y., near the Research Laboratory, with his wife and young son. He finds time to garden around his new home and to participate in the IBM Camera Club and a local Audio (Hi-Fi) Society. "It's a busy life," he says, ". . . and one with a stimulating future."

This profile is just one example of what it's like to be with IBM. There are many other excellent opportunities for well-qualified college men in Research, Development, Manufacturing, Sales and Applied Science. Why not ask your College Placement Director when IBM will next interview on your campus? Or, for information about how your degree will fit you for an IBM career, just write to:

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