A Campus-to-Career Case History

“I wanted a job I could grow with...and I’ve got it”

H. James Cornelius graduated from Swarthmore College in 1954 with a B.S. degree in Electrical Engineering. He’s been “growing” ever since with the Bell Telephone Company of Pennsylvania.

After an initial 44-week inter-departmental training course, Jim was made Facility Engineer in charge of the fast-growing Norristown-Pottstown area. In that capacity, he engineered over half a million dollars’ worth of carrier systems and cable facilities between major switching centers.

Today, he is one of 50 young engineers from the Bell Telephone Companies chosen to attend a special Operating Engineers Training Program at Bell Laboratories. This 10-week course of study - with full pay - deals with advanced techniques and new concepts in electronics which signal a new era in telephony. It involves both classroom theory and practical laboratory applications.

When Jim and his colleagues return to their companies, they’ll review major engineering projects. This will assure the best use of equipment for current engineering, as well as for expected new developments in communications.

“I wanted a job I could grow with,” says Jim, “and I’ve got it. I can’t think of a better place than the telephone company for an engineer to graduate and find a promising future.”

Many young men like Jim Cornelius are finding rewarding careers with the Bell Telephone Companies.

Look into opportunities for you. Talk with the Bell Telephone Companies when he visits your campus. And read the Bell Telephone booklet on file in your Placement Office.

DEAN DISCUSSES DRAMA

Institute Prof. Leads Less-Pollution Drive in Clean Air Week

Greater Boston drivers may breathe the New England air with as much as 300 tons of waste from their cars exhaust pipes every day, says Dr. Rolf Eliassen, Professor of Sanitary Engineering at the Institute.

In all, the potentially one of air pollution may be as much as 54 billion a year. Already, according to Dr. Eliassen, industry spends $100 to $500 million a year to bring the air to the level it has used. “Yet industrial and municipal officials must be made aware of the need for spending even more money on air pollution control,” he insists.

Dr. Eliassen, who is chairman of the week’s observance of Clean Air Week throughout Massachusetts, today called attention to this growing problem. From Greater Boston alone, he said, more than 2,000 tons of pollutants go into the air every day.

“We are fortunate that we can control the motion of the atmosphere that carries these wastes out to sea,” Most of the time it does.”

Many Greater Boston institutions have recognized the severity of the problem, he says. “The Tech - they’re doing it.”

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TRILLING TO RUSSIA

In First Exchange Of Eng. Educators

Two head engineering educators will be members of the first Exchange Mission of Engineering Educators, which will arrive next month in Russia. They are the two are Dean William T. Alexander of the College of Engineering at Northwestern University, president of the American Society for Engineering Education, and Dr. Leon Trilling, associate professor of aeronautical engineering at the Institute.

They hope to see engineering classrooms and laboratories and meet teachers and students throughout Russia, including Siberia, and to bring back curricula, syllabi, textbooks, and other material pertaining to Russian engineering education not now in the United States.

In return, according to the American Society for Engineering Education, a group of Russian engineering educators is expected in time schools in this country, but detailed plans have not yet been completed. The exchange, originally suggested by the Soviet Union, is a project of the American Society for Engineering Education, cooperating with the East-West Contacts Staff of the Department of State. Financial support has been requested from the National Science Foundation.

Professor Trilling is one of two Russian-speaking members of the mission. He has recently returned from spending several weeks in Russia visiting educators at the University of Moscow and other schools.

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GUIDED MISSILE ELECTRONICS

Bendix YORK needs ELECTRONIC ENGINEERS

Mechanical Engineering Physicists

Here’s your chance to prove your ability doing important work on missile guidance, propulsion, packaging and related electronic equipment. We have the openings that offer the academic training you need and the opportunity to work in some of the nation’s most advanced defense research and development. And you’ll enjoy the "good life" in our beautiful suburban community. Good salaries, all employee benefits.

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