

Jim Mitchell, chemist. Working on the telephone system of tomorrow...today.

Over 113,000 Black Americans are helping us work toward a better Bell System. Men and women whose skills and talents play an important role in a technologically progressive company. Meet one of them.

(Jim Mitchell, Ph.D., Chemist and head of the Analytical Chemistry Research Department, Bell Laboratories)

Jim Mitchell developed analytical methods for identifying and measuring extremely small amounts of impurities in raw materials used to make glass fibers. Once the impurities were identified, Jim and his group perfected techniques for their removal and introduced an efficient process for preparing extremely pure lightguide raw materials. These developments in materials analysis and purification were important for the perfection of a revolutionary new light-

wave communications system that could carry the equivalent of nearly 50,000 phone calls in a cable of glass fibers about as thick as your thumb.

Thanks to Jim and others like him at Bell Laboratories, we're experimenting with the telecommunications system of tomorrow ...today.

Toward a better Bell System

We are constantly working toward a better Bell System. The results benefit everyone. For 113,000 Black Americans, it means jobs with dignity, careers with futures and a combined annual income of more than one and a half billion dollars. For the Bell System, it means new talents and skills to help reach our primary goal: providing you, our customer, with the best communications system in the world... made even better, more convenient and as affordable as possible.

Black America and the Bell System: a continuing commitment.

