Communication Systems Division

LYNCHBURG

Just as the muscles and arteries of the body need a complex nerve system to make it function as a whole, so do the public and private sectors of American Society need their own special kind of "nerve system"—communication networks—to allow them to do their basic jobs efficiently and responsibly.

Our changing society will require an ever increasing variety of communication systems, and this is the challenge facing General Electric employees in Lynchburg and Waynesboro. Lynchburg serves as headquarters for the Communication Systems Division, consisting of the Mobile Radio Department and the Telecommunication Products Department, and the Data Communication Products Department at Waynesboro.

The Division's operations encompass a number of diverse businesses, including FM two-way radios, microwave, power line carrier, data communication and equipment for television broadcasting.

General Electric's Communication Systems Division is concerned not only with providing good jobs for Virginia's people but with helping to solve problems of our society, including the environment. Communication equipment made in Virginia, for example, offers a vital contribution toward the reduction of crime throughout the nation by increasing the effectiveness of law enforcement manpower and equipment.

We think of Communication Systems Division people as good examples of "Men helping Man."

RICHARD P. GIFFORD
Vice President and General Manager

Telecommunication Products Department

LYNCHBURG

Lynchburg is headquarters for the General Electric Company's fixed point communications business, with the Telecommunication Products Department providing equipment that can transmit information as voice, picture, digital signal, or tone, and which can be carried by radio or wire-line.

Field sales and service personnel are located in major cities throughout the United States.

Fixed point communications equipment and systems produced at TPD include:

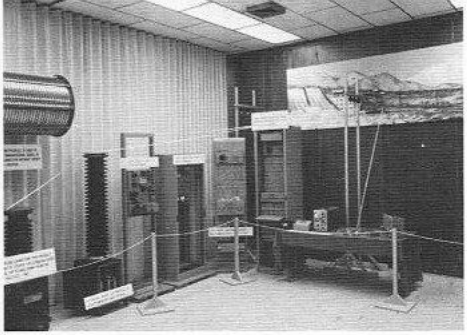
Microwave and cable systems (microwave radio and multiplex microwave systems; cable systems)

Power line carrier current equipment and systems (carrier terminal equipment and carrier line coupling equipment)

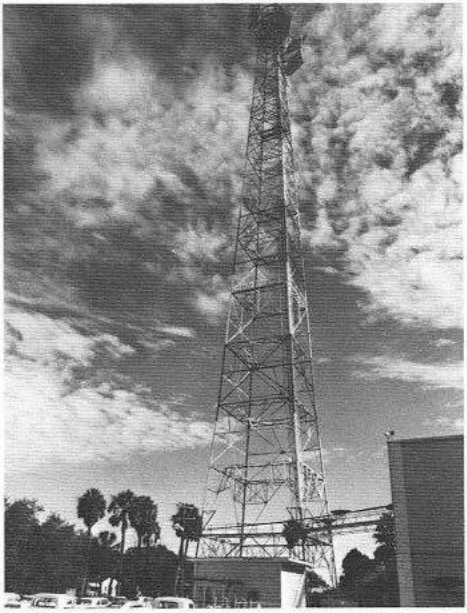
Visual communication equipment and systems (television cameras; transmitters; antennas; switching and other studio equipment)

ALSO IN LYNCHBURG . . . a portion of the Data Communication Products Department headquartered in Waynesboro:

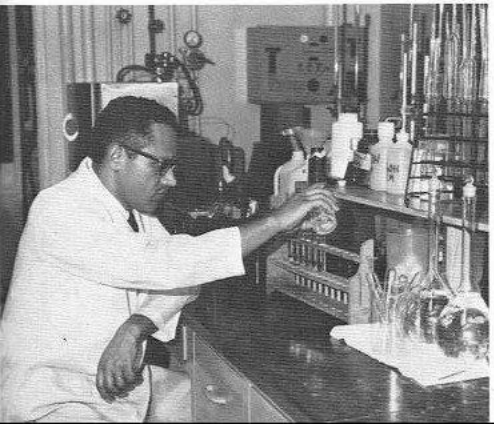
Data networks equipment and systems (data modems; data switching equipment; data systems)—produced by the Data Networks Operation.



Power line carrier current equipment made in Lynchburg helps utilities to serve the public better.



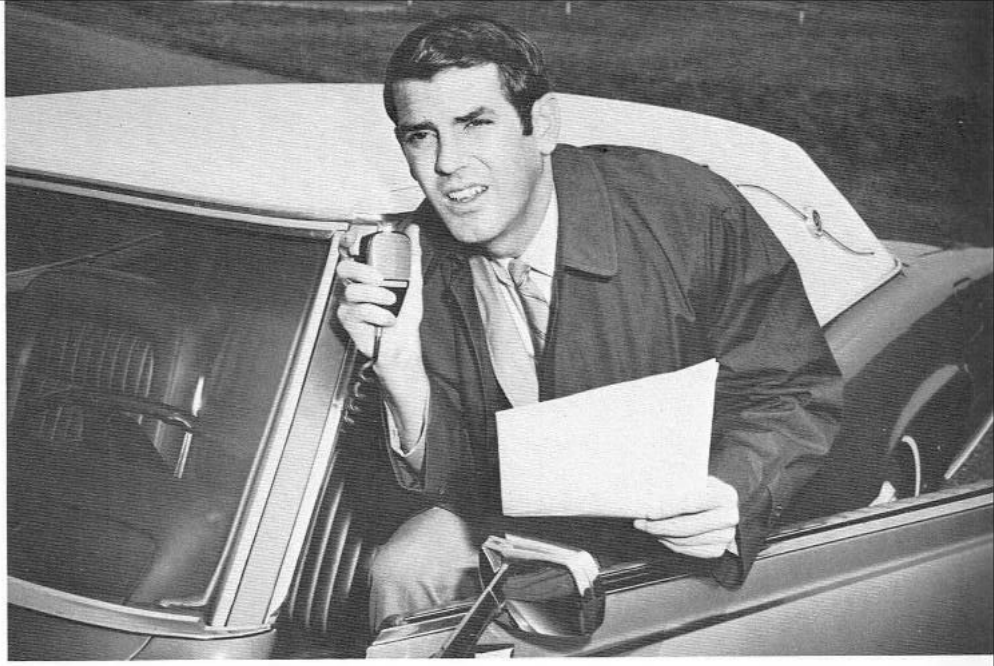
Long-distance microwave radio relay is typical of fixed point communications systems designed and equipped by the Telecommunication Products Department.



DigiNet 1600 data communications concentrator (produced by the Data Networks Operation of DCPD) aids time sharing companies and other remote-line computer users in trimming transmission costs. It's an answer to an industry need to make possible effective and economical combinations of computer power and communications power.

Microwave radio equipment produced at General Electric's Telecommunication Products Department. Engineering and design of the equipment is done here also.

This chemist is typical of many TPD professional people who are constantly at work, improving communications techniques to serve the needs of modern society.



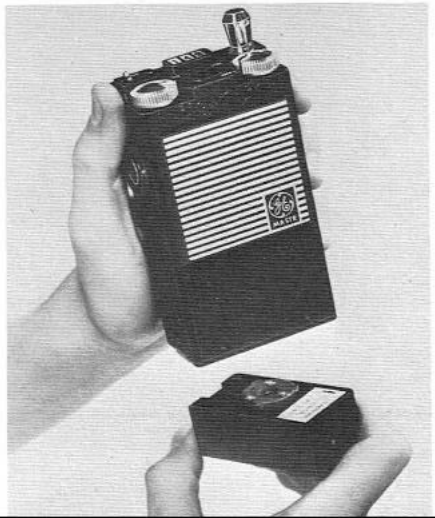
Mobile Radio Department

At General Electric's Mobile Radio Department in Lynchburg is produced the Company's complete line of mobile systems including FM two-way radiobase stations, mobile radios for vehicles, hand-carried portable units, pocket two-way transmitter receivers, two-way mobile telephones, and one-way personal voice message paging receivers.

MRD has one of the largest, world-wide distribution systems in the communications industry directed from the Company's Lynchburg plant.

GE radio equipment is used in a host of applications—from one-truck business radio systems to highly sophisticated state fleets involving more than 1,000 units in a single system. Mobile Radio Department customers range from small local businesses to federal government agencies — each depending on radio as a tool to gain more flexibility and mobility.

Small but powerful is GE's all solid state MASTER Personal Series two-way radio.



Much care goes into the assembly of MRD products at Lynchburg.

Base station for two-way radio equipment.

Below: GE's new solid state motorcycle radio means reliability and superior performance. Here, a Lynchburg policeman uses the equipment.

Engineered by General Electric's Mobile Radio Department in Lynchburg, this two position combination of consoles with display units on top and slide projector screen in the middle is the mainstay for routine daily operations at the Strategic Communication Center in the Norfolk, Virginia, Police Department.