YOUR FUTURE WITH TELETYPE CORPORATION

engineering
MECHANICAL...ELECTRICAL...
...INDUSTRIAL...METALLURGICAL...
...CHEMICAL...ARCHITECTURAL...
...CIVIL...

physical sciences
PHYSICS...
...CHEMISTRY...
...METALLURGY...

general
BUSINESS ADMINISTRATION...
...SOCIAL SCIENCE...
...LIBERAL ARTS...
YOUR FUTURE

You are now making what is probably the most important decision in your life—where to begin your career. This choice is yours alone to make since you are the only one who knows what you expect of the future. You must consider carefully such factors as challenge of the work, environment, progress, security and geographic location. To help in determining if a career with Teletype Corporation offers the future you seek, this booklet describes the numerous opportunities for you at Teletype in the rapidly expanding field of record communication.
Teletype Corporation had its beginning around the turn of the present century. It started with "Start-Stop," the basic invention which made modern telegraphy possible by providing a practical method of transmitting printed characters.

A young graduate engineer, Howard L. Krum, was the inventor. With the financial backing of the Morton family of salt fame, the Morkrum Company was formed in 1907 to manufacture and distribute start-stop telegraph equipment.

In the 1920's, printing telegraphy using Teletype apparatus was established throughout the world. In 1930, Teletype Corporation, as the organization was then known, became a subsidiary of Western Electric Company, a unit of the Bell Telephone System—the relationship existing today. As a separate research and manufacturing unit, Teletype makes equipment not only for the Bell System but for many other customers.

From a small business which started in an attic, Teletype has grown into a series of related plants containing over a million square feet of floor area and employing almost 6,000 people. For a half-century, we have expanded to keep pace with the increasing demand for record communications. The rapid rise of Automation, Electronic Computing, and Integrated Data Processing has created limitless fields for transmitting mechanized intelligence.
To meet expected future requirements for our equipment the Teletype Corporation is now going forward with plans to consolidate its expanding operations in Chicago's Northwest Suburbs with several completely modern buildings to be completed in the next few years.

And in addition, facilities are being established at Little Rock, Arkansas, to provide greater capacity for the manufacture of the Company's new line of high speed printing telegraph equipment.
THESE ARE SOME OF OUR

PAGE PRINTER
This is the machine you see in TV newscasts... the "messenger" of the printed word all over the globe. It furnishes transmission and instantaneous receipt of printed intelligence, regardless of distance. The message can be printed simultaneously at any number of receiving points with a typed copy provided at the sending point.

TAPE TRANSMITTER DISTRIBUTOR
Sometimes called a "tape reader," this unit is the basic tool for moving information which has been coded into punched tape. It delivers the data automatically and instantaneously to one or more receiving points over any distance.

TYPING TAPE REPERFORATOR
As its name implies, this is a receiving perforator which records information by punching code holes in tape. This unit also types the characters on the tape so that the tape can be read and handled easily.
BASIC PRODUCTS

Although Teletype equipment can be provided for 5, 6 or 7 unit codes, most of our units operate on the 5-unit code used by modern record communication systems throughout the world. Often called the "common language code," it is employed by an increasing number of business machines in a wide variety of applications.

In addition to the more familiar units shown here, Teletype Corporation manufactures numerous related products for government and industry.

MESSAGE RELAYING EQUIPMENT

Message relaying systems are employed extensively in communication centers operated by many large users of Teletype equipment. Here, messages are received in punched tape for retransmission or "relaying." This centralized system provides control of message traffic, leveling out peak loads.

HIGH SPEED TAPE PUNCH AND TAPE READER

These units operate at speeds up to 60 characters per second—six to ten times normal printing telegraph speeds. They are particularly useful as input and output means for computers and other high speed machines.

COMPOSITE SET

A highly flexible and compact arrangement of equipment—for both communications and data processing. This versatile set offers various combinations of tape punching and page typing, with manual or automatic transmission.
Airlines
Extensive networks are maintained for reservations, weather data, flight manifests, etc. In Chicago, air lines are interconnected by a special circuit that enables them to book space for passengers who need reservations on more than one carrier.

Automobile Manufacturers
Teletype equipment is used on the assembly line for precise coordination of body style, motor, tires, upholstery, optional accessories, etc.

Brokerage Firms
Orders for purchase or sale of securities from brokerage offices anywhere in the United States or Canada reach the floor of the New York Stock Exchange in less than a minute via Teletype equipment.

Chemical Companies
Teletype equipment bridges the distance between sales and shipping points, substantially reduces the paperwork of order processing, and speeds up service to customers.

Hotels
Most large hotels use Teletype equipment for reservations, as well as handling administrative detail, providing telegraph service for guests, etc.

Press Associations
Teletype equipment long ago became a basic tool in press operations, providing the means for disseminating news to all member and client papers simultaneously.

Railroads
A railroad was the scene of the first field trial of Teletype machines, and today they employ it in expediting car and train movements, dispatching consist and wheel reports, waybills, reservations, instructions, and a host of other uses.

Red Cross
One of the largest networks in operation helps Red Cross workers bring servicemen and their families together in time of emergency, as well as serving to mobilize aid for areas stricken by floods, fires, hurricanes, and other disasters.
Steel Companies
A large steel company has an extensive integrated data processing system. Another company flashes new orders to mills currently rolling the sizes and shapes required, thus avoiding costly machine setup changes. Other steel companies use Teletype equipment for a variety of production control, administrative and communications purposes.

Telephone, Telegraph and Cable Companies
These companies are major users of Teletype equipment for some of the services they provide. Besides the familiar telegram and cable, there are exchange services similar to telephone connections, as well as private wire services tailored to the needs of individual customers.

Hospitals
In Detroit, hospitals use a wire network to check incoming patients’ Blue Cross insurance status. In Kansas, a circuit enables a group of small hospitals to get quick pathological and radiological reports from a central laboratory in Wichita.

Military and Civilian Government Agencies
Teletype equipment is depended on heavily for military communications of all kinds. Networks also keep Washington civilian agencies in touch with far-flung outposts, whether in Alaska, Tokyo, or Paris. Others assist in the control of air traffic, collect and disseminate weather information, gather reports on money flow from federal reserve districts, and keep a constant check on agricultural conditions throughout the country.

News Magazines
Closer deadlines and better editorial control are achieved with Teletypesetter equipment in editorial offices by transmitting to printing plants for automatic control of typecasting machines with punched tape.

Oil and Gas Companies
Producers use wire circuits to expedite status reports on new wells, transmit inventory and flow data, and improve contact with field offices.

Police
Both local and inter-state networks help police exchange information, send “alerts”, and track down suspects.
<table>
<thead>
<tr>
<th>MANUFACTURING ENGINEERING</th>
<th>SALES ENGINEERING</th>
<th>GENERAL BUSINESS FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Reduction</td>
<td>Plant Engineering</td>
<td>Technical Publications</td>
</tr>
<tr>
<td>Wage Incentives</td>
<td>Applications</td>
<td>Contract Administration</td>
</tr>
<tr>
<td>Quality Assurance</td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
A unit being developed for an automatic switching system is discussed by an engineer and supervisor. Development of units such as this is done by a team of engineers, designers, draftsmen, and laboratory assistants.

The leadership which Teletype Corporation maintains in the field of record communication is made possible by an extensive and continuous development program using modern industrial research techniques—with a full complement of creative personnel and the latest laboratory and technical facilities.

Are you interested in the design of intricate mechanisms? In redesigning a Teletype printer for higher speeds, our engineers developed a revolutionary typing mechanism weighing only one-tenth as much as the conventional basket-type carriage that limited the speed of previous printers. In addition to its high speed, the unique typebox is quickly removable without tools, for interchanging type arrangements or cleaning.

Interested in digital circuit techniques applied through transistor and magnetic core circuitry? Our engineers recently transistorized an electronic time-division multiplex terminal set, reducing size and weight by 80% and power consumption by 95%. Also, extensive use of etched-circuit wiring and elimination of all electron tubes effected a substantial increase in the reliability of the set.

An engineer demonstrates how individual drawers of the Transistorized Time Division Multiplex may be withdrawn for maintenance procedures. A special cable, which interconnects the drawer to the cabinet, provides for uninterrupted operation of the drawer in the extended position.

Engineers and designers discuss a design problem in a high speed punch. Due to the high shaft speeds of this punch, dynamic balancing is employed to insure smooth, quiet operation.
Does Automation interest you? Using standard Teletype apparatus, our engineers conceived and constructed automatic sorting equipment to read and organize random facts or data—with much higher speed and reliability than could be done by previous office methods. In factory automation, systems have been devised for applying our equipment to the automatic control of machining processes.

These are examples of engineering accomplishments which have helped to maintain our leadership. But they are just the starting points of further development since each success opens new areas for achievement.

As a member of our research and development team, you will play an important role in the design of future systems and lines of equipment. Your creative ability will be enhanced by working with experienced engineers in a wide variety of assignments. As you progress, you will have many challenging opportunities to apply your ingenuity in the solution of engineering problems that arise from the needs for increased speed and reliability, reduced cost and size, and extended uses of Teletype products.

Teletype research engineers designed the first fully transistorized communications equipment to be delivered to the U. S. Navy. This time division multiplex equipment is significantly superior to its electron tube predecessor in reliability, weight, size, and power consumption.
The Model 28 page printer was conceived and developed by Teletype engineers. It is but one unit in a new integrated line of Teletype equipment engineered to meet today's complex communication problems and having the versatility to meet future requirements.

The featherweight typebox carriage used in the 28 type printer weighs only 1/10 as much as the conventional "basket" carriage. This new design is typical of the "fresh" approach being taken by Teletype engineers in solving difficult problems in the field of printing telegraphy.
MANUFACTURING ENGINEERING

Graduates from almost every technical field are required to engineer our fabrication, assembly and inspection of 30,000 small precision piece parts and hundreds of end products.

*Mechanical, Electrical and Industrial Engineers* determine the tools, patterns, gauges, machinery and testing equipment required to place new and improved Teletype products on a sound manufacturing basis.

Wage Incentive, Time & Motion Study and Quality Control Specialists carry on an intensive program to insure that our products have a consistently high quality and are produced in the most economical manner.

Material Handling Experts provide safe, economical flows of raw materials, precision parts and completed equipment through Teletype's manufacturing plants, while Packaging Specialists select the latest methods and materials to insure safe delivery of all products to the customer.
Localized heating by an induction unit permits uniform soldering of parts. This equipment and process was prescribed by a Teletype metallurgical engineer.

This test set in use in the factory to check the operations of a completed electrical unit was designed by a Teletype electrical engineer.

Conveyors for transporting completed parts are planned and designed by Teletype Material Handling Organizations.

Automatic cam cutting machine for making indirect precision cams. Planning of such a machine was done by a Teletype mechanical engineer.

**Chemical and Metallurgical Engineers** develop methods for heat treating, induction hardening, resistance welding, electroplating, lubrication, corrosion prevention and organic finishing, leading to our use of many new raw materials and improved manufacturing processes.

**Electrical, Mechanical, Civil and Architectural Engineers** handle the construction, heating and ventilating, plant layout, power distribution and machinery installation problems arising in the expansion and improvement of our production facilities.
Sales engineers conducting special training session for customer's personnel.

Sales engineering at Teletype Corporation offers an exceptionally rewarding opportunity to the young engineer who enjoys working with people as well as mechanisms. Sales engineering here is application engineering—fitting Teletype equipment to a specific customer project.

Each sales engineer is a consultant and must have a thorough knowledge of Teletype apparatus and how it can be used. He begins a job with a survey of the requirements to be met—often involving a trip to the customer's plant—and then recommends the most effective combination of apparatus, features, auxiliary equipment, and sometimes modifications of customer procedure or Teletype equipment.

On the project the sales engineer is "Mr. Teletype" and often works with high level customer personnel. Each project tends to be different, so that he gains insight not only into a variety of business but different aspects of a particular business.

With the rapid growth of record communication, automation, integrated data processing, and electronic data processing—plus the constantly growing need for transmitting mechanized intelligence in these fields—all this adds up to highly creative and stimulating work with above-average opportunities for personal growth and broadening experience.
Gradedes working in purchasing, production control and sales administration seek methods to assure efficient operation, with the assistance of modern mechanized office facilities. Our accountants working in general and cost accounting, methods, systems, analysis and forecasting are assisted by support personnel utilizing office automation where practicable.

BUSINESS, LIBERAL ARTS

A non-technical college background can qualify you for one of a wide assortment of general business functions at Teletype. Although your starting job will be in a specialized field, your particular interest and ability may lead to experience in a variety of fields.

An accounting career at Teletype offers you an insight into the overall operations of the company. Our accountants work in areas of cost accounting, general accounting, methods, systems, results analyses and forecasting, with office automation handling much of the routine paperwork.
Skilled conference leaders conduct training programs involving Company policies, operations and the fundamentals of human relations.

Representatives of our personnel department, using interviewing and other applicable techniques, screen applicants for employment as well as those employees being considered for promotion or transfer within the company.

AND SOCIAL SCIENCES

Perhaps you prefer more direct contact with the product itself. Graduates in business or liberal arts are concerned with the purchase of raw materials, scheduling and regulation of production and administration of sales. Using mechanized procedures wherever practicable, these people constantly seek the best methods to assure efficient and effective operations.

If you are interested in the human element in business, you will find challenging opportunities in our personnel organization. The administration of a progressive employee relations program requires the assistance of graduates in business, education, psychology, statistics and related fields.
For half a century Teletype has grown as the need for instantaneous and accurate communication has expanded. World War II, the Korean incidents of 1950-54, and most recently the resurgence of competition in business have caused a continuing widening of our field.

Today Teletype is consolidating its operations in attractive suburban Chicago. New buildings under construction will be equipped with the most modern and efficient equipment available.

Expansion of business and plant has provided increased opportunity for individual advancement. And our long-established policy has been to promote from within the Company. Those who demonstrate the ability to meet the complex needs of changing conditions will grow with us.
Here are some more features of your future with Teletype . . .

INCOME

Starting salary comparing favorably with those offered throughout industry today, with regular reviews during your Teletype career.

Open to employees, regardless of length of service or job level, our tuition refund plan offers up to $250 per year to regular employees successfully completing college or graduate level courses related to their present job or a position to which they can reasonably aspire.

VACATION

Two-week paid vacation after one year increasing to three weeks of paid vacation after fifteen years of service.

THRIFT

Convenient payroll deduction system enabling you to authorize allotments from your salary for such items as hospitalization, U.S. Savings Bonds, life insurance, credit union and other plans.

A liberal Benefit Plan, financed entirely by Teletype Corporation, provides the following advantages:

DISABILITY PAY

An employee with six months service with us may be paid for up to six weeks at half salary for absence due to illness or off-the-job injury. Duration of payment possible increases with length of service and an employee with 25 years of service may be paid for up to 52 weeks at full salary for such absence. On death from illness or off-the-job injury, four month's salary to a qualified beneficiary if the employee had two years of service, the amount of payment increasing with additional service.

RETIREMENT

Pension when you reach the compulsory retirement age of 65 or the optional retirement age of 60, both requiring at least twenty years of service.
RELAXATION...

TELETYPE CLUB

You will find Teletype offers opportunity to meet new friends in the evening as well as during the day, for the Teletype Club offers a variety of social, educational and sports activities in which there is something for every employee.

A round of golf, a bowling session, or a softball game may be just what you need after a day in the office. Interested in committee work? You can aid in selecting candidates for the queen contest, arrange details of a dance or picnic, assist at the children’s Christmas party, or volunteer to help with the annual Red Cross and Community Fund Drives. If education is your interest, you can participate in the Club’s Evening School as a student or instructor.

The Teletype Club is operated by the employees for the benefit of all fellow employees. It helps new acquaintances to become close friends in a short time.
CHICAGO EDUCATIONAL

AND OTHER FACILITIES

Chicago's many institutions of higher education, including the University of Chicago, De Paul, Illinois Institute of Technology, Loyola, Northwestern and Roosevelt, have graduate programs readily available. Diversified courses and flexible evening schedules are offered if you are looking for advanced study.

Facilities that make Chicago the nation's leading convention site will offer you many cultural and recreational advantages. You will find an abundance of parks, beaches, museums, theatres and restaurants to provide diversified leisure opportunities.
WHAT TO DO NEXT

For more information about YOUR FUTURE

WITH TELETYPE, see the Bell System representative

when he visits your campus (your placement officer

will arrange the interview), or contact our

Professional Employment Section at

1400 Wrightwood Avenue, Chicago 14, Ill.
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