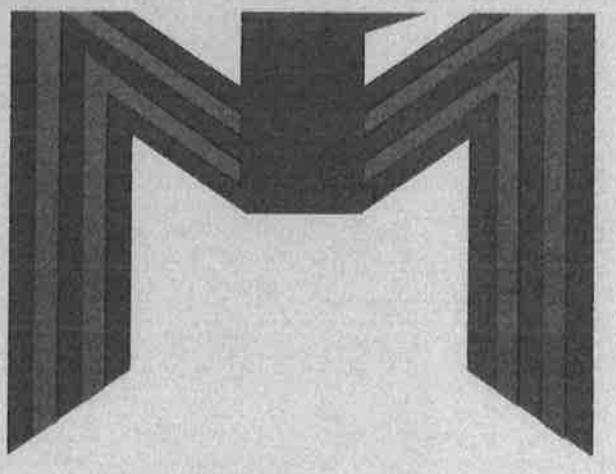


# MOHAWK ELECTRONICS CORPORATION

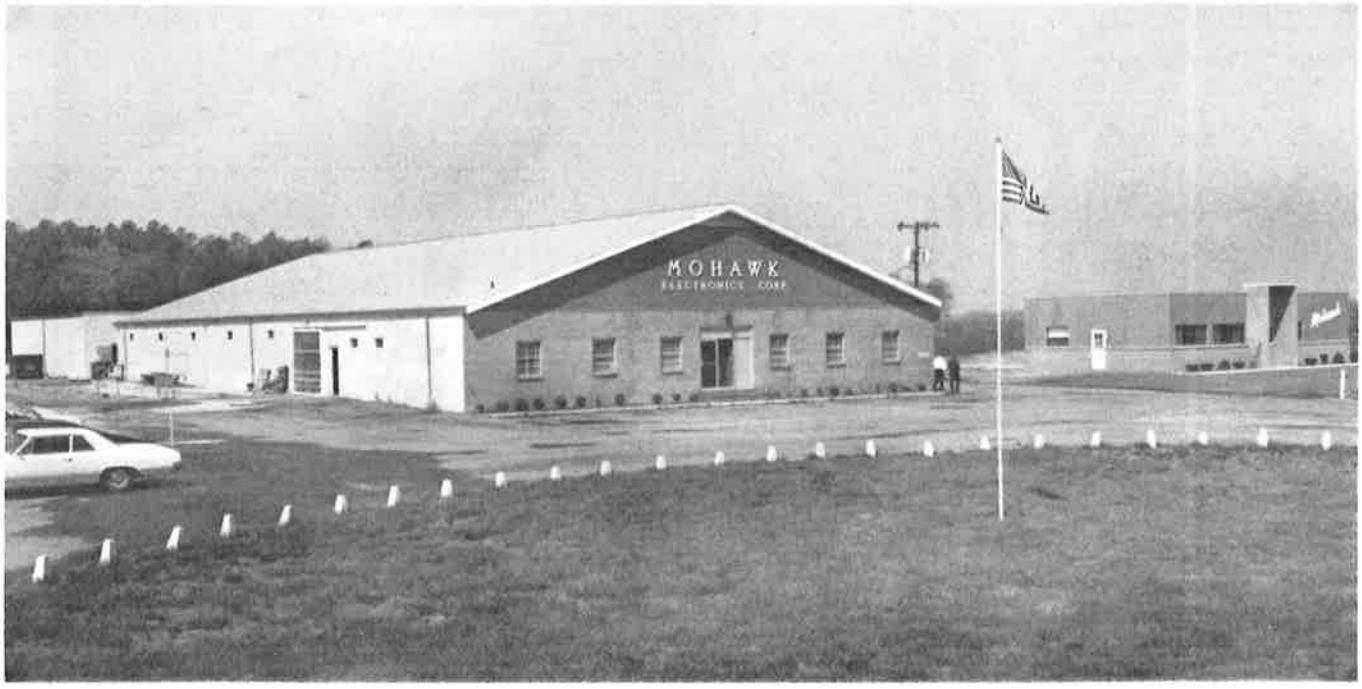
FREDERICA, DELAWARE 19946

As co-owners of Mohawk Electronics Corporation - started on a small scale in 1963 - we are understandably proud of our plant and facilities which have evolved to keep pace with a steadily mounting volume of business.

Nevertheless, we are fully cognizant of the fact that our record of consistently high quality and timely deliveries is a tribute to the enthusiam and loyalty of our administrative and operating personnel.

It is fitting, therefore, that we dedicate this brochure to the entire Mohawk Team.

*View of factory and executive offices from Rt. 113 Southeast of Dover*



# *about management . . .*

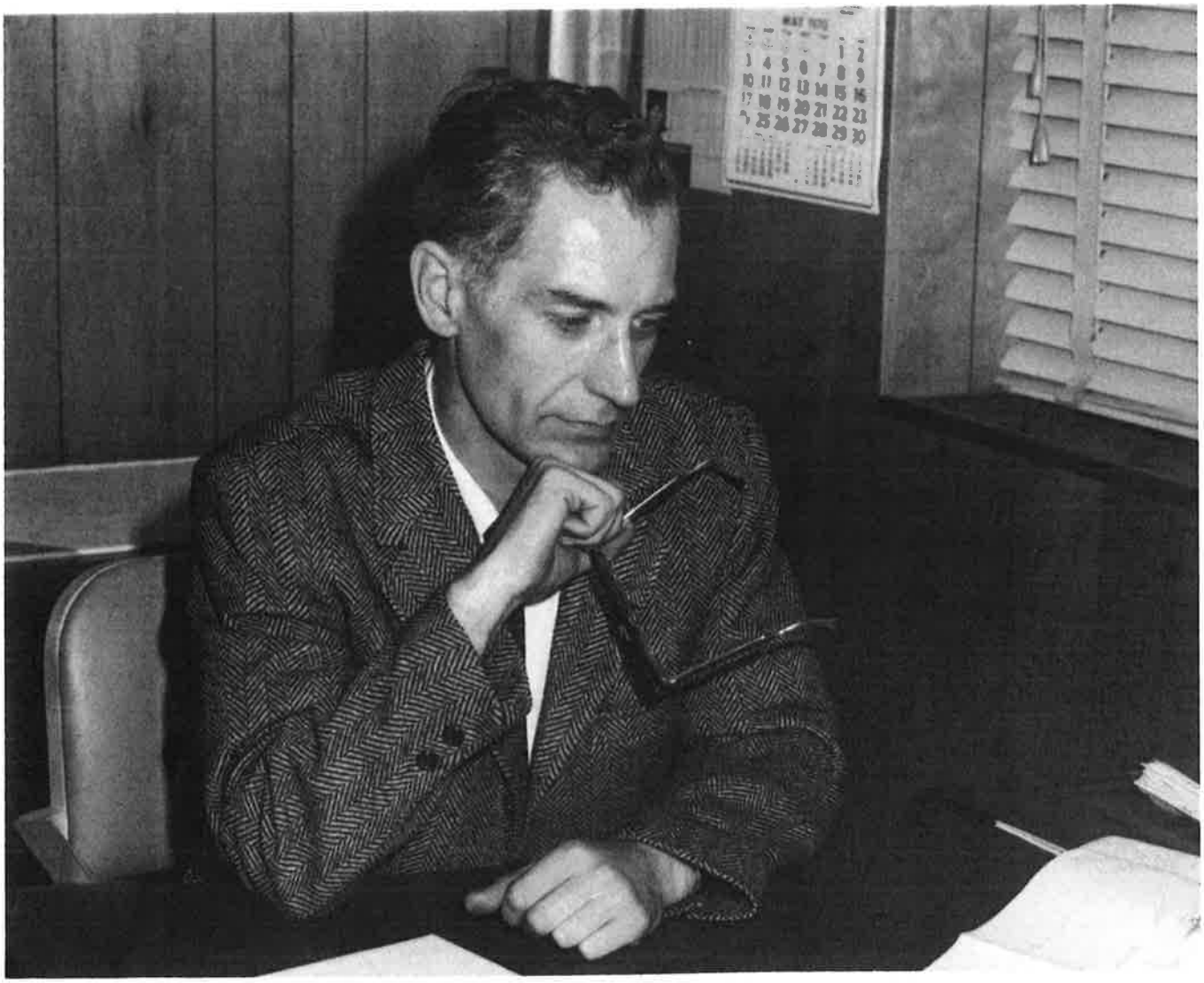
With Corporate headquarters located adjacent to the manufacturing facility and the Co-owners actively engaged in general management, top level decisions are made without delay and the day-to-day coordination of departmental functions has developed a smooth-working team effort, capable and willing to undertake the most challenging programs. Our ability to react immediately to customer emergencies and unusual problems has contributed heavily to our enviable pattern of growth and expansion. We pledge a continuation of this policy and mode of operation.

*our people &*
*our facilities*

# *engineering . . .*

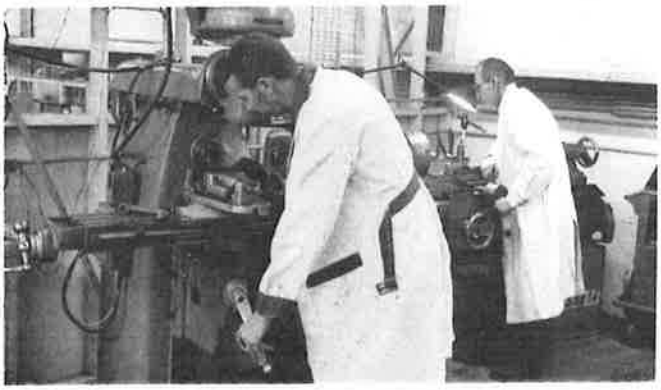
Paul T. Pelen, Vice President, Engineering, who heads the department, is an Electrical Engineer with an unusually strong background in the fields of circuitry and elastomeric molding. Prior to joining Mohawk Electronics Corporation at the time of its formation, he had several years of practical engineering experience with a major manufacturer of insulated wire and cable.

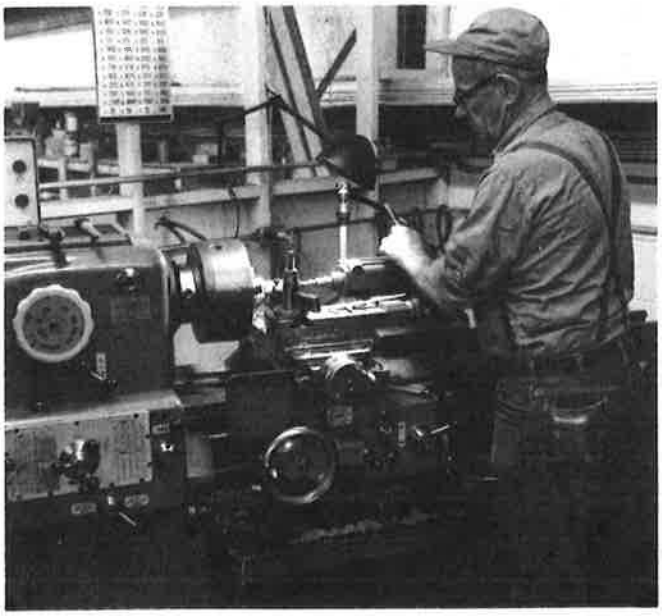
The very nature of the Mohawk Enterprise points up the importance of a competent engineering department. It is academic that a major contribution to our pattern of growth has been the quality and depth of our engineering talent, which is uniquely qualified to interpret the requirements of our customers and translate the drawings and specifications into an efficient production plan. We have full capabilities for the design of all necessary tooling and molds, and to assist our customers in their efforts to provide workable solutions to many preliminary system problems.



# *machine shop . . .*

To shorten reaction time between engineering design and the completion of tools, dies, molds, etc., and to permit early production scheduling, Mohawk installed a complete machine shop in 1968 - Staffed with competent personnel, who not only produce necessary production tooling well in advance of the normal abilities of outside shops - but also keep Mohawk production machinery and equipment operating with a minimum of down time when emergencies develop.

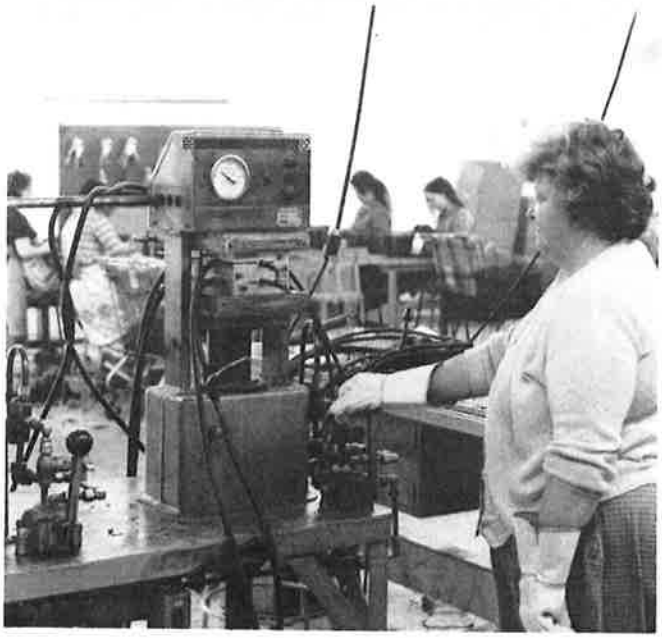


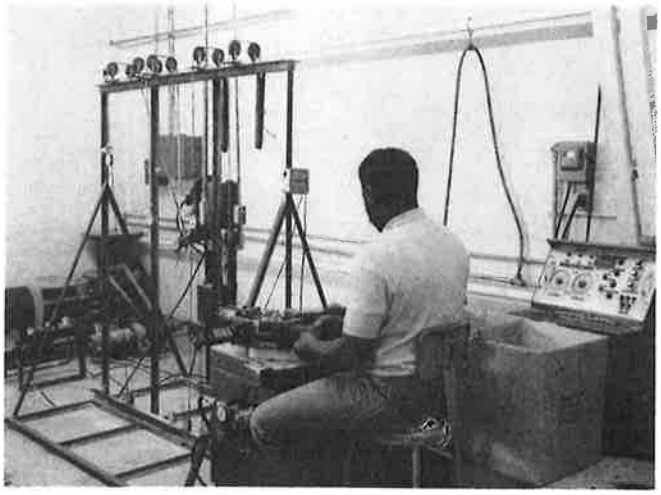


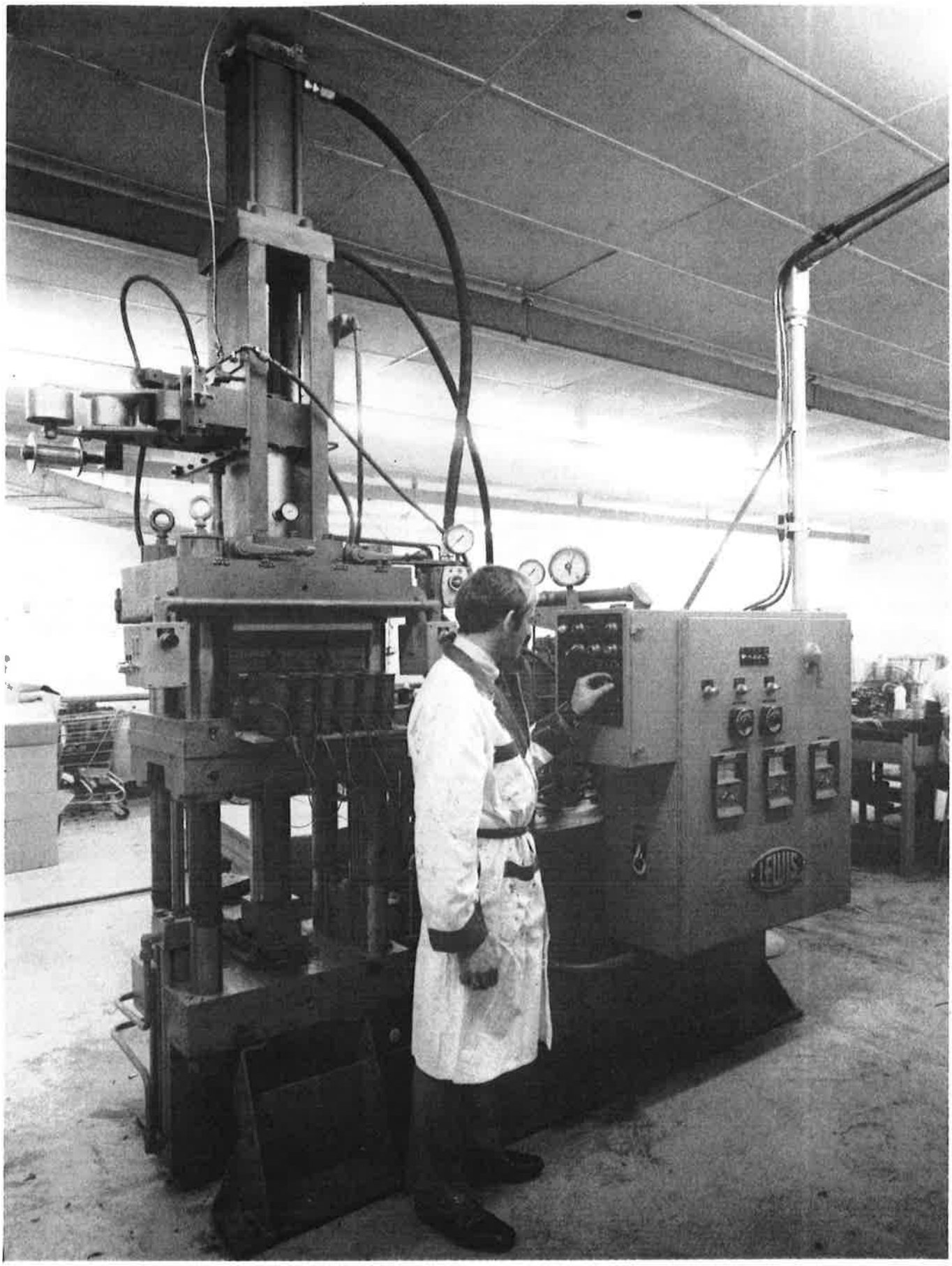
# *production . . .*

LEFT- view of polyurethane potting and molding area, which has environmental controls to maintain constant temperature and humidity. Also illustrated below are several hydraulic molding machines for various elastomers also special winding equipment for cord sets.

RIGHT - Assembly line production for special custom-design cables.








view of large injection type molding press for neoprene and other elastomers.

# *quality assurance . . .*

To insure that all phases of the production process meet the specifications and the oftentimes rigid performance criteria and tolerances imposed by the customer, Mohawk has built a highly-skilled and conscientious Quality Control and Inspection Department under the direction of Samuel Hudson, Q.C. Manager. He has personally trained a large staff of assistants who perform incoming, line and final inspection and tests on all materials and projects. A substantial number of items are produced to military specifications with quality assurance and testing performed under specific plans developed for and approved by the appropriate government agency. Although this department works closely with both engineering and production, they are autonomous and responsible only to general management of the company. The department is equipped with a wide variety of test equipment for electrical, mechanical and hydrostatic testing of both components and finished assemblies.

*Samuel Hudson, Q. C. Manager*

# *stock control . . .*

*Frank M. Smith Stock Control Manager*

A prime requisite in maintaining shipping schedules is the orderly and on-time submission of necessary components to the production lines. Under the capable direction of Frank M. Smith, stock control manager, Mohawk has developed a system under which all required materials for each shop order are released to the production department strictly in accordance with a predetermined schedule - with all supporting supplies under perpetual inventory and grouped by orders in separate sections of the stock control area.

# *warehousing & loading facilities...*

As a further support to stock control, and to meet a mounting volume of material handling, Mohawk erected a new and modern warehouse in 1967 with truck ramps to permit efficient movement of supplies from in-bound trucks and to the production area.

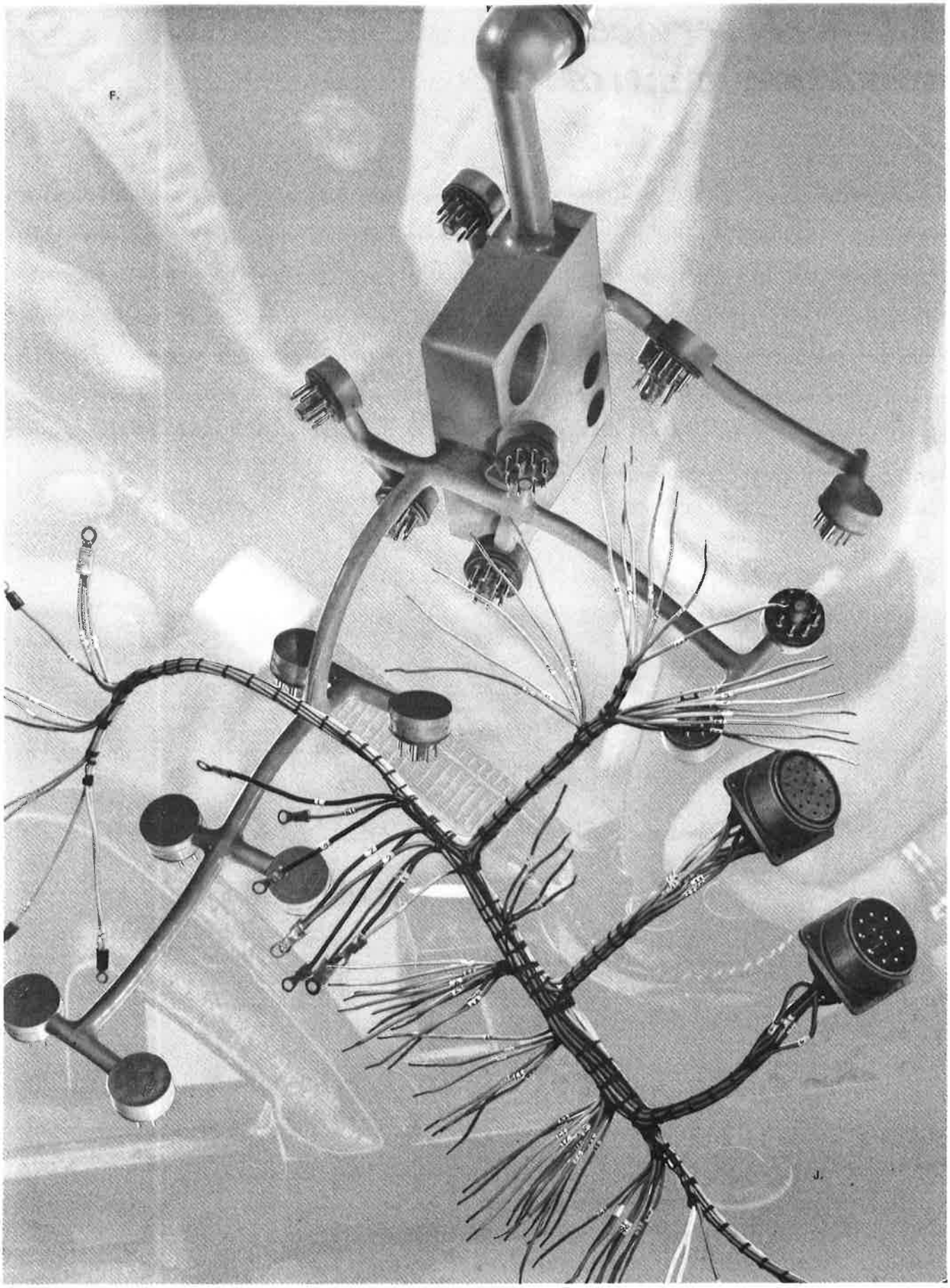
To handle the large incoming volume of cable, compounds and components, and to facilitate the loading of trucks on out-bound shipments - Mohawk has installed plant-level truck pits so that all materials can be handled safely and efficiently using pallets and gas-operated fork lifts.

# *technical services & production control . . .*

Immediately upon receipt of quotation requests, all drawings, specificiations and other pertinent data are channeled from the Sales Department into technical services, who translate the requirements into specific materials and performance estimates - working closely with engineering to ascertain the most efficient potential method of manufacture.

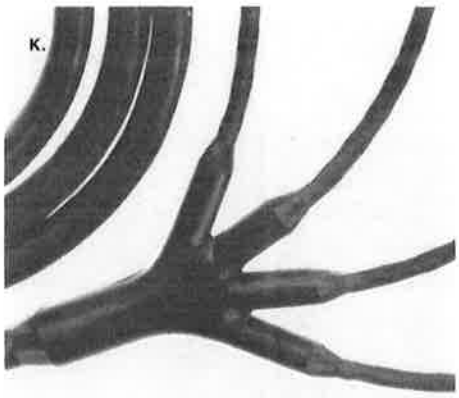
Thomas G. Dean, who heads this department and also supervises production control planning, is an Electrical Engineer by profession with a wealth of actual production experience both with Mohawk and with a former employer who was responsible for producing very sophisticated defense equipment.

*Thomas G. Dean, TS&PC Manager*

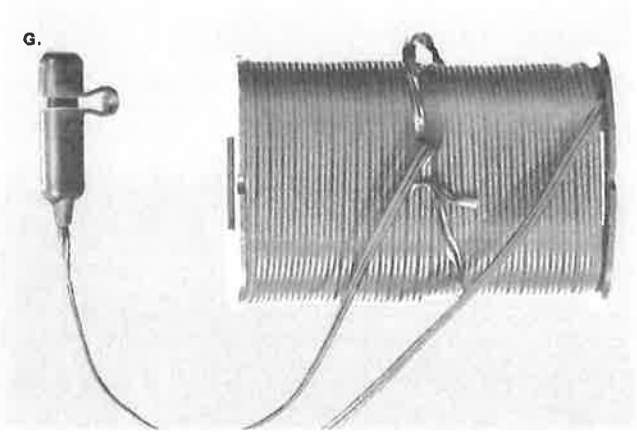



F. 3-DIMENSIONAL PLASTISOL MOLDED ASSEMBLY  J. INSTRUMENTATION HARNESS

# . . . and Products you can depend on!

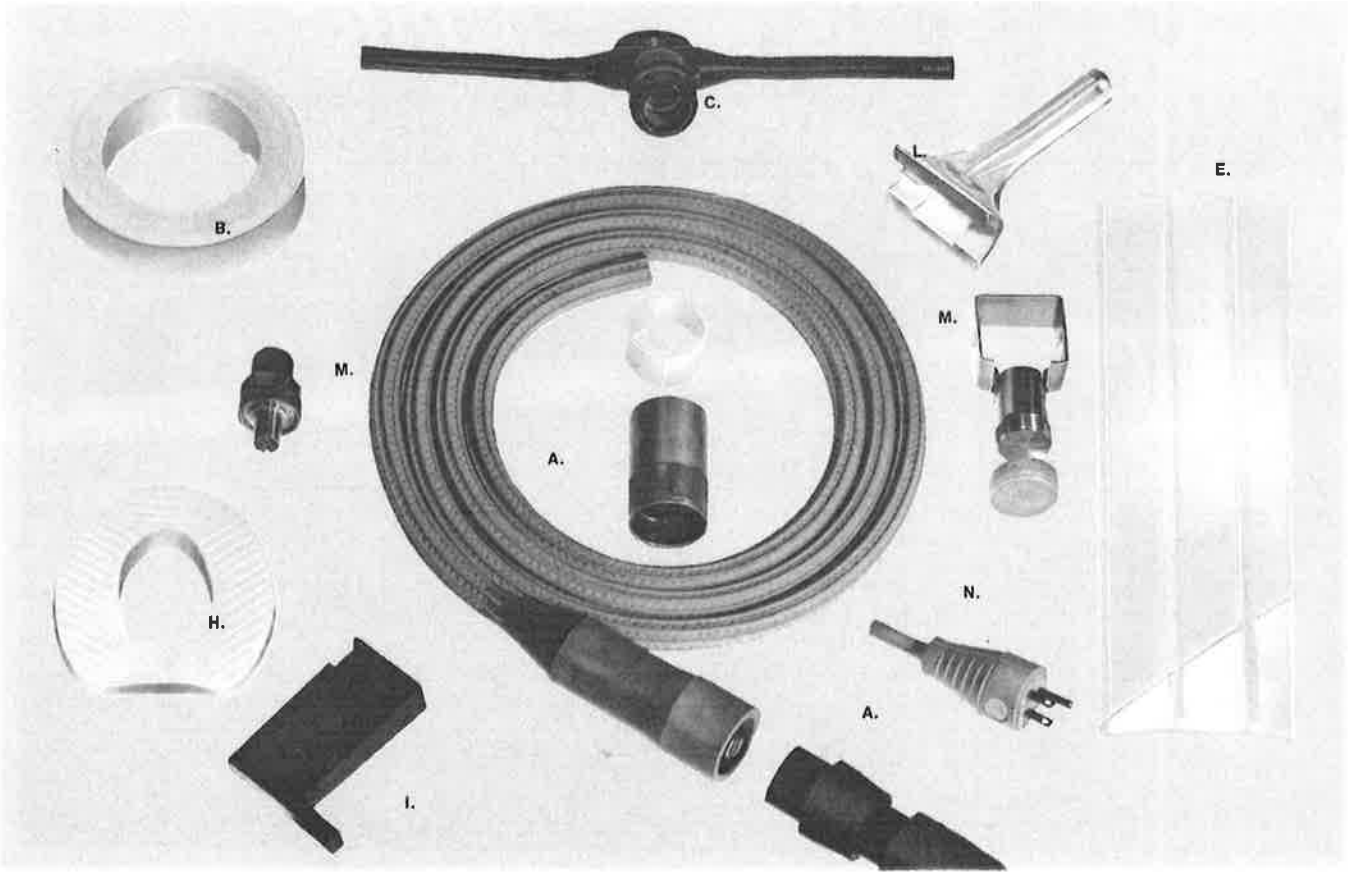



K. MOLDED TRANSITION—AEROSPACE




G. HIGH-VOLUME SPOOLED CORDSETS—PRECISION MOLDING


D. TYPICAL MOLDED ASSEMBLIES




A. MOLDED WELDING CABLE—FIELD REPAIR KIT B. POLYURETHANE SHEAVE H. DYNA-FLEX HORSESHOE C. MOLDED LIGHTING STREAMERS
E. MULTI-CORED REINFORCED POLYURETHANE BELT L. PRECISION POLYURETHANE COMPONENT M. STAINLESS STEEL SHIPBOARD CONNECTOR
I. PRECISION POLYURETHANE SHIELD N. THREE-PRONG MOLDED PLUG

Our new executive offices erected in 1969 - adjacent to manufacturing facility.

*Traveling To Mohawk . . . .*

From the North:

Follow U.S. 13 to Dover - then U.S. 113 past Dover Air Base - after Frederica by-pass - plant and office 2 miles south on west side of dual highway.

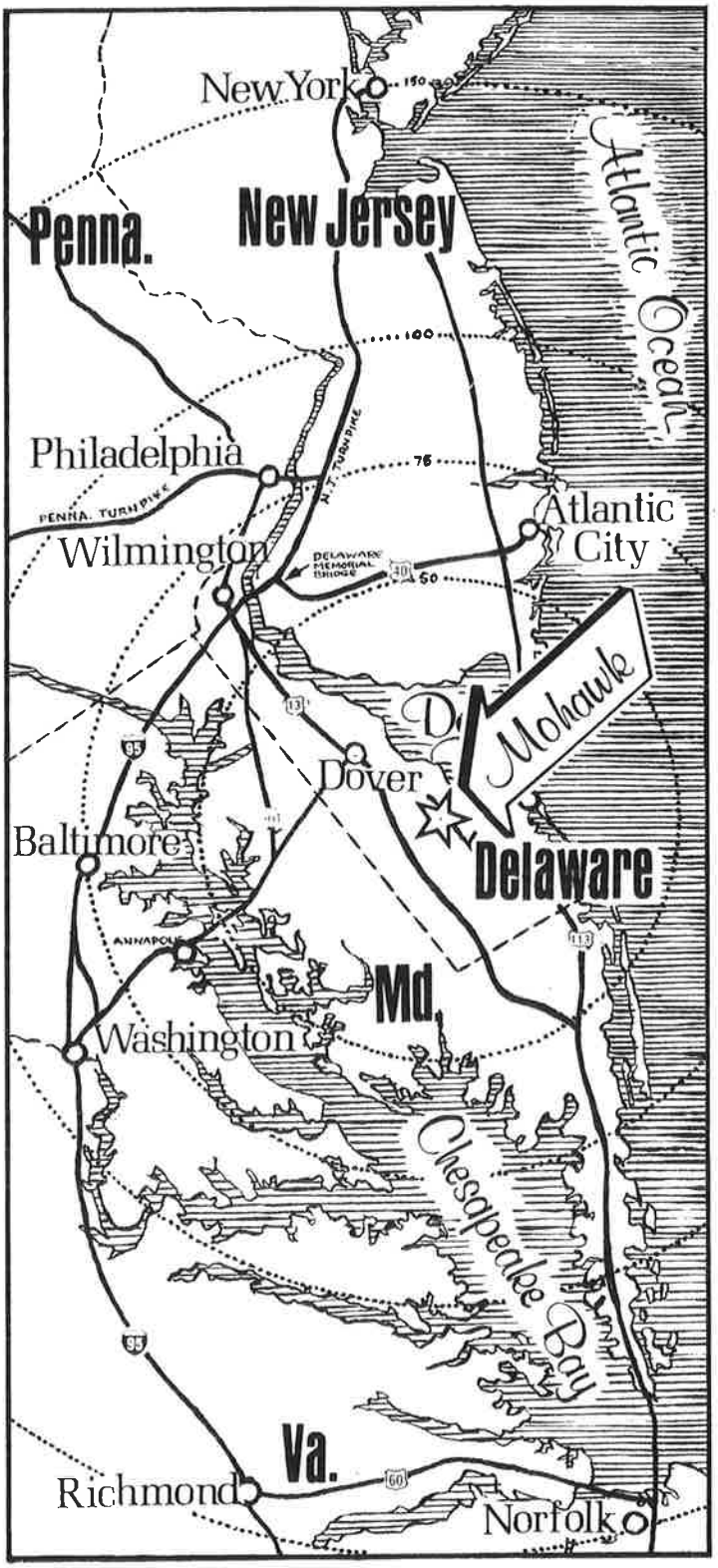
From the West:

Take route 50 from Bay Bridge - turn east on Md. 404 to Denton - then left on Md. 313 for 1 mile - east on Md. 317 which becomes Del. 14 at state line. Continue thru Harrington to Milford. At intersection with U.S. 113 turn north - M. E. C. approximately 5 miles on west side of dual highway.

From the South:

A. Follow Route U.S. 113 north. M. E. C. located 5 mi. north of Milford, Del. on west side of dual highway.

B. Alternate - follow U.S. 13 to Harrington, Del. Turn east on Del. 14 to intersection with U.S. 113 at Milford, Del. Turn north - M. E. C. approximately 5 miles on west side of dual highway.




*In the center of things!*

*C. M. Welch*
*Chairman of the Board*

*Stephen R. Welch*
*President*