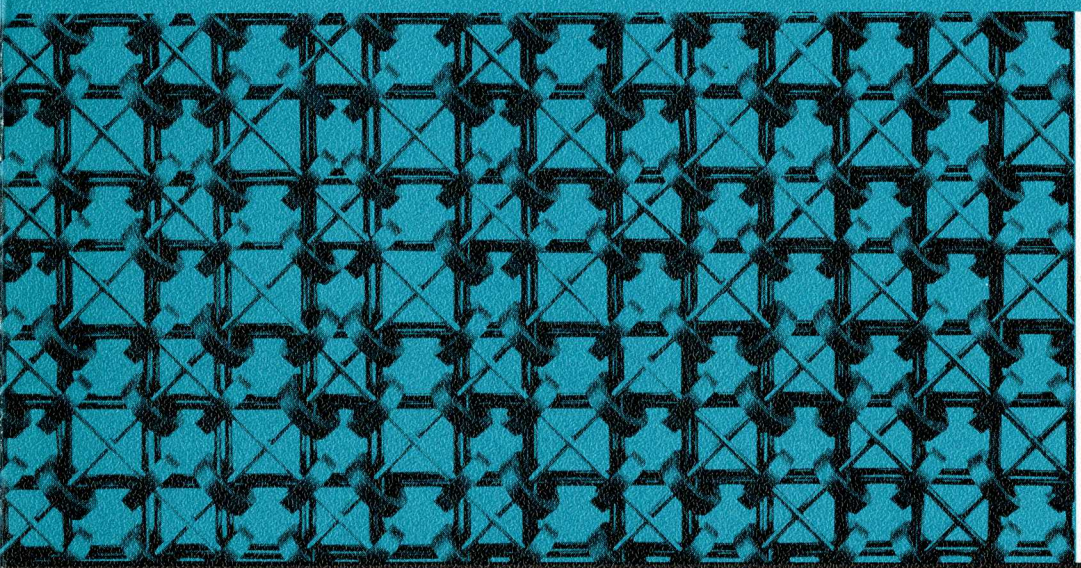
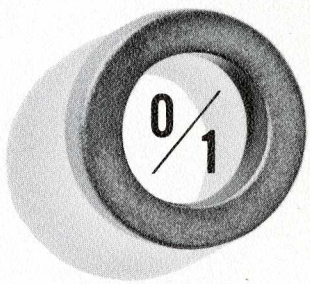
0/1 Telemeter Magnetics, Inc. is recognized by the industry as the leading designer and manufacturer of ferrite data storage products. Employing a wide variety of training and skills, TMI maintains an integrated facility, from oxide processing through ferrite core production to array wiring and assembly of complete memories and data systems.

In the few years since its founding, Telemeter Magnetics has made several significant contributions to the data processing art. Among these are development and manufacture of the first commercial magnetic core computer memory, and introduction of the core storage buffer. Numbered among their customers are the world's prominent computer equipment manufacturers and users as well as many military installations.

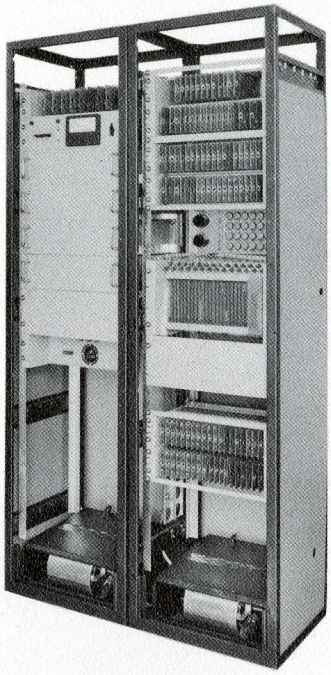


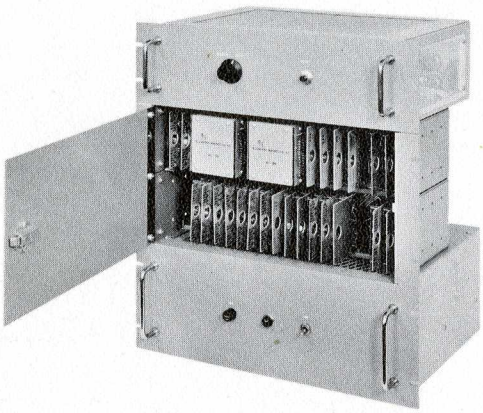


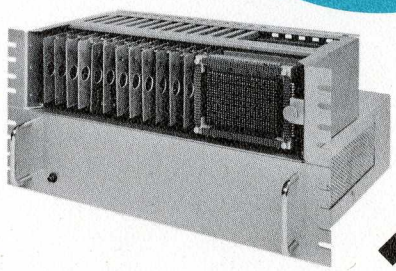

0/1 TELEMETER MAGNETICS, *Inc.*

*2245 pontius avenue*
*los angeles 64, california*

# TELEMETER MAGNETICS, *Inc.*





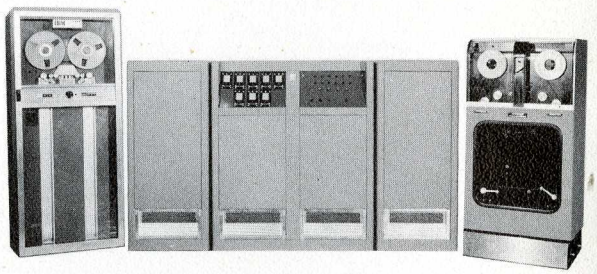


**Telemeter Magnetics, Inc.** manufactures ferrite magnetic cores, core arrays, core storage buffers, computer memories, and special purpose data handling systems.

The core storage buffer is an auxiliary memory whose operation is analogous to a computer having a simple, predetermined program. These buffers are widely used for synchronizing two data systems operating at different speeds.

TMI random access memories utilize solid state elements throughout — ferrite cores, transistors, and semiconductor diodes — providing a high degree of reliability while permitting compact design and low power requirements. Telemeter Magnetics memories are an integral part of several computers being marketed by well known manufacturers.

The reputation earned by TMI as a producer of versatile, reliable equipment has contributed to steady growth and the need for continuous expansion. Sales in 1958 showed a fifty per cent increase over the 1957 volume. The expected sales for 1959 are expected to double the 1958 figures. Over 70% of sales is commercial business with the remainder going to government installations.



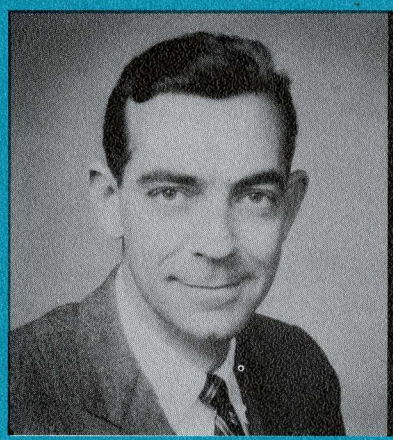
We are determined to maintain our position as leader in the field. We shall do so through a carefully planned long term program of aggressive marketing of our products; development of extensions and modifications to existing product lines; continuing research into new areas; and continual introduction of new products.

Our engineering organization is staffed with some of the most outstanding engineers in the computer industry, men highly respected in their fields. The working climate is conducive to achievement — professional personnel are given free rein to exercise their talents to the utmost and accomplishment is accorded prompt recognition.

Technical activities range from production and industrial engineering through circuit and system design to research and development. In the Advanced Development Department, investigation is actively being carried out in the fields of new materials and elements capable of magnetic switching times on the order of millimicroseconds. Some such elements have already been discovered and are being developed further — this group is interested in pushing beyond present frontiers of the art.

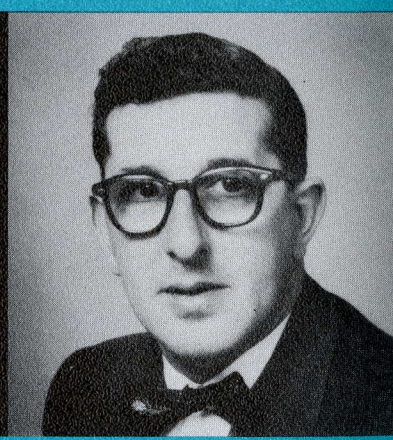
Expansion of all groups is to be carried out through careful selection of candidates to maintain the existing healthy technological environment and to assure a continuous stream of new developments and products. Some of the key members of the TMI organization are presented here with biographical data.

MA



**TRUDE C. TAYLOR,**
Vice President
BSME—UCLA
MBA—Harvard Graduate School of Business
NORTHRUP AIRCRAFT COMPANY—
Production Manager to Tooling
Development Engineer and Industrial Engineer
TELECOMPUTING CORPORATION—
Vice President

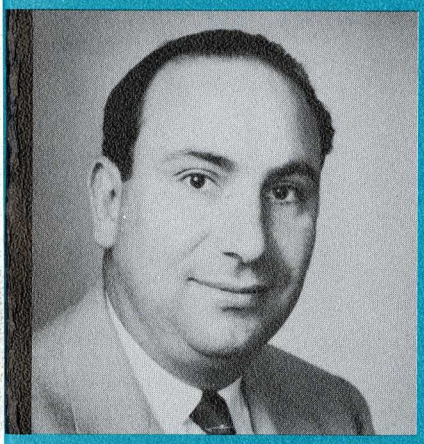
**EDWIN R. GAMSON,**
Director of Manufacturing
BES—Stanford University
NORTH AMERICAN AVIATION—Aerophysics Division, materials processing
STANFORD RESEARCH INSTITUTE—
Supervisor, materials processing methods
AUTONETICS—Reliability Coordinator
Published several articles on automation, electronic material processing, component development and reliability



**RAYMOND STUART-WILLIAMS,**
Vice President, Engineering
BSc—Glasgow University
ROYAL NAVY—Research, Telecommunications Research Establishment
METROPOLITAN-VICKERS—Senior Design Engineer, Group Leader—Radar Computer Project
FERRANTI, LTD.—Group Leader, Special Purpose Computers
RADIO CORPORATION OF AMERICA—
Research and magnetic core storage
INTERNATIONAL TELEMETER CORPORATION—Engineer in charge, large-scale memory development
Sole or co-inventor of many important patents on computer and core storage devices.

**ERWIN TOMASH,**
President
BSEE—University of Minnesota
MSEE—University of Maryland
U.S. ARMY—Radar and Digital Computing Systems
ENGINEERING RESEARCH ASSOCIATES—Computing systems design and asst. director for computer development
REMINGTON RAND UNIVAC—West Coast Director, Electronic Computer Division
Contributor to two books on high speed computers.

## NAGEMENT



**MILTON ROSENBERG,**
Director, Advanced Development
BSEE—Drexel Institute of Technology
UNIVERSITY OF PENNSYLVANIA—Development work on ENIAC
RADIO CORPORATION OF AMERICA—Development of several basic computer circuits, devices used for electrostatic and magnetic core memories
INTERNATIONAL TELEMETER CORPORATION—Senior Staff Engineer, Magnetic Core Development
Author of several papers on core storage subjects and co-inventor of numerous computer and core storage devices.

**CHARLES H. BAUER,**
Manager, Engineering
BS—California Institute of Technology
PROCTOR AND GAMBLE—Assistant Plant Manager
BUREAU OF ORDNANCE—Technical Representative, Anti-Submarine Fire Control
GATEWAY PRODUCTS, INC.—General Manager
TELECOMPUTING CORPORATION—Chief Engineer
MARCHANT RESEARCH, INC.—Chief Engineer

**DAVID J. P. BYRD,**
Manager, Systems Engineering
BSc—Manchester University, England
ROYAL ELECTRICAL AND MECHANICAL ENGINEERS—Instructor in radar, design of pulse-code modulator
FERRANTI, LTD.—Senior Staff Engineer, input-output devices
INTERNATIONAL TELEMETER CORPORATION—Staff Engineer, high-speed memories

**BEN GODA,**
Manager, Buffer Engineering
BSEE—University of Southern California
NAVAL ORDNANCE TEST STATION—Design of test equipment
NORTHROP AIRCRAFT CORPORATION—Computer circuit design
BENDIX COMPUTER DIVISION—Electronic circuit design

**CLIFFORD J. HELMS,**
Manager, Memory Engineering
BSEE—University of Minnesota
RADIO CORPORATION OF AMERICA—Proximity fuse and radio receiver project; audio engineering; circuit and component investigation
ENGINEERING RESEARCH ASSOCIATES—Computer design; Project Supervisor for fuse timer, shell production investigation, special purpose computer systems, system and design study projects
SPERRY-RAND—Remington Rand Univac Division, Engineering Department Manager on input-output computer unit, medium speed commercial calculator (Univac 60-120), Bull Gamma II Electronic Computer (French), tabulating equipment development.

**WILLIAM S. KNOWLES,**
Senior Staff Engineer
University of Washington
DR. C. B. AIKEN LABORATORIES—Technician
JOHNS HOPKINS UNIVERSITY—Applied Physics Laboratory
APPLIED SCIENCE CORPORATION OF PRINCETON—Project Engineer
INTERNATIONAL TELEMETER CORPORATION—Staff Engineer

**WITOLD M. MODLINSKI,**
Senior Staff Engineer
BSEE—Swiss Federal Institute of Technology
MSEE—Swiss Federal Institute of Technology
KUTHE LABORATORIES—Hydrogen thyraton tubes
RADIO CORPORATION OF AMERICA—Magnetic core memories
INTERNATIONAL TELEMETER CORPORATION—Magnetic core memory systems

**IRVING L. WIESELMAN,**
Systems Staff Specialist
BA—UCLA
MA—UCLA
UCLA—Department of Physics, Teaching Assistant
NORTHROP AIRCRAFT, INC.—Department Supervisor, preliminary system work regarding missile guidance system
INTERNATIONAL TELEMETER CORPORATION—Staff Engineer

**ROBERT S. WEISZ,**
Director, Physical Research
BA—Cornell University
PhD—Cornell University
CORNELL UNIVERSITY—Instructor, Analytical Chemistry
WESTINGHOUSE RESEARCH LABORATORIES—Research Chemist on ceramics, lighting arresters, physical analysis
T. A. EDISON, INC.—Research Chemist on batteries, thermistors
RADIO CORPORATION OF AMERICA—Research Chemist on ferrites

TELEMETER MAGNETICS, *Inc.*

0/1

There are numerous extra benefits offered by employment at Telemeter Magnetics. Among these are —

**Comprehensive hospital-medical insurance** of up to $10,000 for each member of the family. A substantial part of the cost is borne by TMI with a small contribution from the employee for dependents' coverage.

**Fully paid life insurance** in graduated amounts up to $50,000 based on income.

**Profit sharing** plans in which all employees participate.

**Company paid education** — professional personnel may continue their education at company expense for job-related curricula.

**Social programs** for employees and their families are a regular part of our activities for those who wish to participate. Among the programs are bridge, bowling, fishing, skiing, and dancing.

Other benefits include a full schedule of paid holidays, two weeks' vacation per year with cumulative provisions, and liberal sick leave.

Telemeter Magnetics is conveniently located in West Los Angeles on the San Diego Freeway within short commuting distance from several desirable communities. For those who prefer seaside living, Santa Monica is less than twenty minutes away. The San Fernando Valley, offering numerous choice areas, is within a half hour. Its warm, dry climate provides year round outdoor living — there are probably more private swimming pools in the Valley than in the rest of the nation combined. And nearby communities offer every type of California living — there is a climate and topography to satisfy each individual's specifications. Adequate housing is available in all areas including both rentals and properties for sale. Public and private schools in California are among the highest rated in the nation with new construction managing to keep abreast of population growth.

Recreation and vacation areas are readily available to provide any type of pastime desired. Within a short drive from any part of Los Angeles, you can do anything from camping on the desert to skiing at almost any time of the year.