



HARVEY CAPLIN
CUTTING MARBLE AT ULTRA MARBLES QUARRY WEST OF BELEN.
A GROWING MARKET FOR THE MARBLE IS BEING DEVELOPED.



GROWING INDUSTRY - FROM TOYS TO TRANSISTORS

BY FREMONT KUTNEWSKY

• Yes, New Mexico has no steel mills, paper mills, textile mills or automobile assembly lines. It does have an array of lusty small enterprises that are selling their products in many markets — the aero-space program, improved aviation techniques, automation in business, new styles in food, dress and decor, environmental control, the ever-changing needs of the defense program, and the demand for new products and new applications of old ones.

Today, most any line of business is called an industry, but this summary will confine itself to 100 representative enterprises in the strictly productive class—those which add value to raw products, either by raising their market value or creating entirely finished products, and those whose output goes out-of-state and brings money in. A few that export to foreign countries are bringing several million dollars per year into the U.S.—doing that much for the balance of trade.

Such factories are not much in the public eye. They may look like warehouses, or offices. Hence we hear people say that there is no "real" manufacturing in New Mexico. There is! The very diversity of it is deceiving. The largest of our factories and mills may not employ more than 400 or 500 people, but even the smaller ones are specialists, equipped with precision machinery and staffed by experts. They are growing, fitting into a new era. Many will double, even triple their payrolls in a few years; some, perhaps, even before this article is in print.

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"THINK" FACTORY — HOME OF DIKEWOOD, INC., ALBUQUERQUE. E G & G, ALSO IN THE FIELD OF ANALYTICAL RESEARCH AND THEORY TECHNOLOGY, PLANS A NEW PLANT NEARBY.

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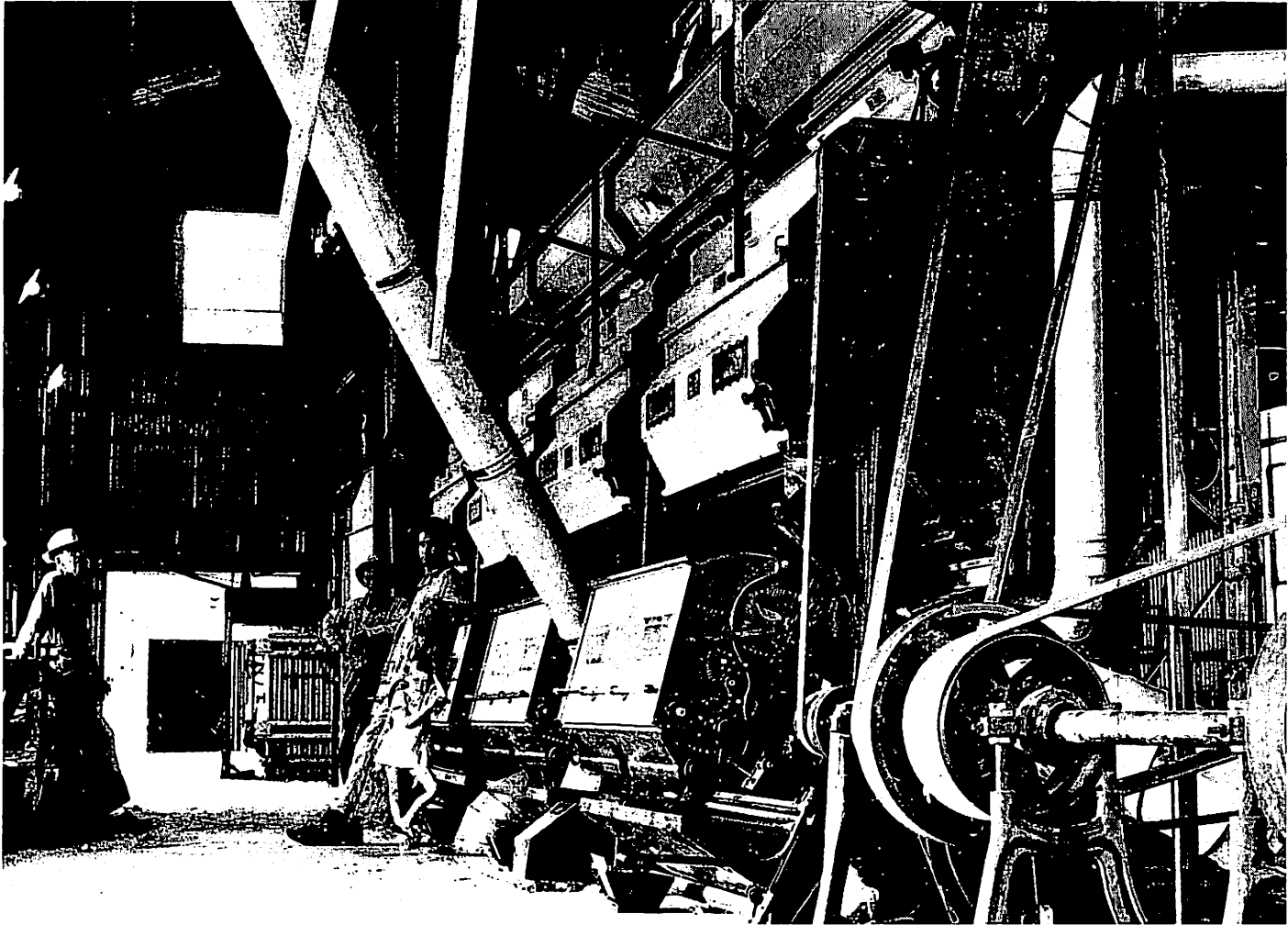
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They may not be well known locally, but their influence is felt in ever-widening circles of the national economy. For example, your automobile radiator may



LOVINGTON PHOTO

NEW MEXICO IS ONE OF THREE STATES PRODUCING PREMIUM LONG-STAPLE COTTON, AND COTTON PRODUCERS KEEP GINS BUSY IN CENTRAL AND EASTERN NEW MEXICO. THIS IS A COTTON GIN AT LOVINGTON, CENTER OF AN IRRIGATED FARM AREA.

contain copper refined at Hurley. Your new radio or television set may contain elements designed or produced in Albuquerque, Socorro, Shiprock or Laguna. Hundreds of highway contractors in the U.S. and Canada are using a new type mobile asphalt heater manufactured in Albuquerque. Workers in atomic research projects are being protected by radiation devices produced in Santa Fe. Sailors and troops on naval vessels are protected by secret ship-to-ship communication systems that originated in Raton.

In the oil fields of Arabia and North Africa, time and money are being saved by hauling heavy derricks, pipe and electric generator units across trackless desert sands on the world's largest trailers, made in Albuquerque. Commercial airplanes and Air Force and Navy bombers fly at night and in bad weather because of instruments and devices that several firms in New Mexico produce. Workers in a growing number of factories are being protected from hazardous blasts from compressed air hoses by a safety nozzle invented and manufactured in Albuquerque. Astronauts' capsules, unmanned weather vehicles, guided missiles and launch rockets are made manageable by remote control instrumentation, some of which is devised and manufactured in New Mexico.

My own rough classification of representative industries in New Mexico follow this breakdown: (1) standard items used everywhere; (2) electronics products; (3) processed products; (4) custom-built products; (5) inventions and unique products; (6) rebuilt products; and (7) scientific and technical studies and reports.



BIA

SORTING AND STORING LUMBER AT THE BIG \$4 MILLION SAW-MILL AT NAVAJO. IT IS OPERATED BY THE NAVAJO TRIBE.



DICK KENT

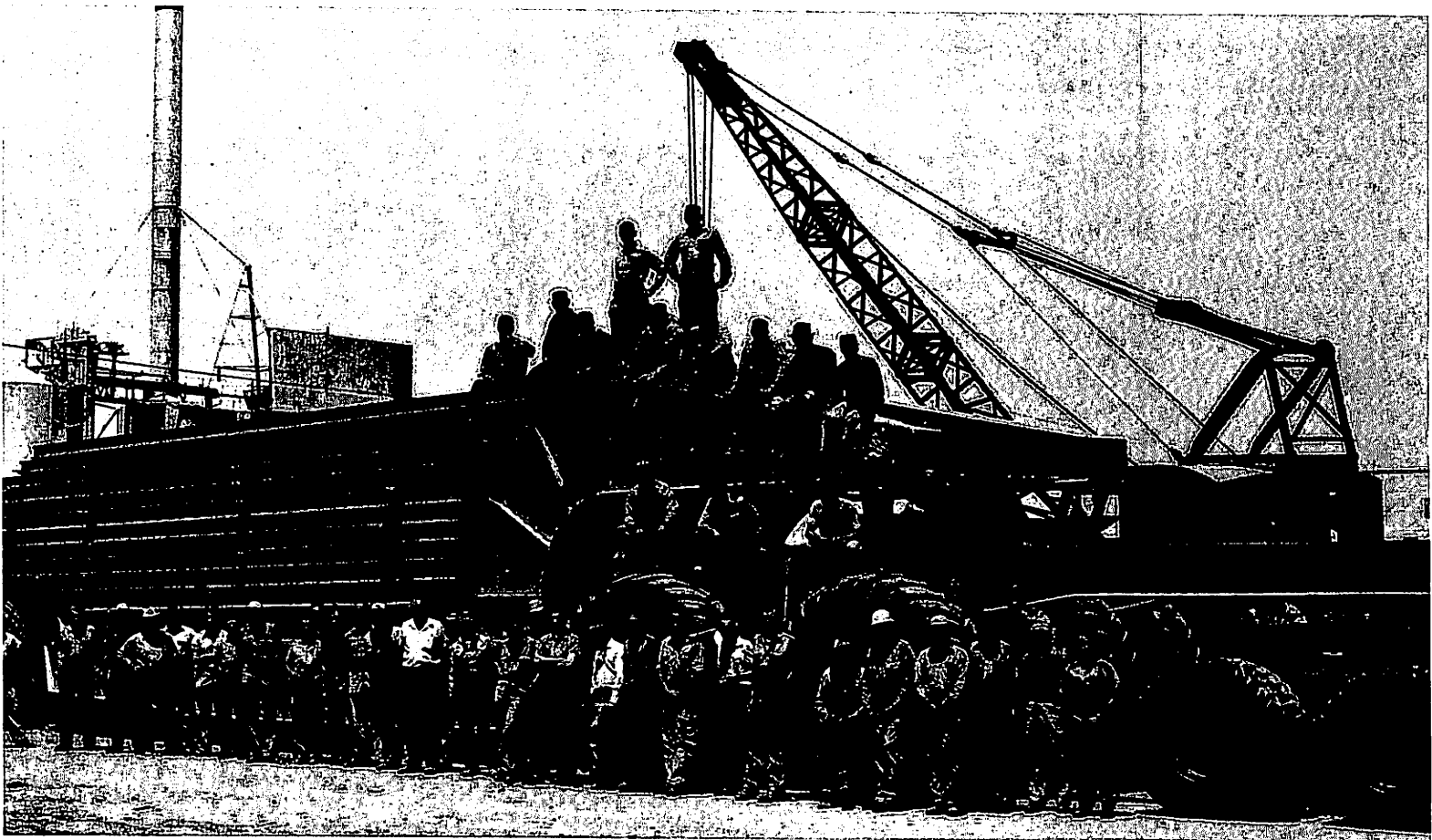
AERIAL VIEW OF MOLYCORP'S MOLYBDENUM MINE IN RED RIVER CANYON. PIT AND WORKING FACE ARE 500 TO 1,000 FEET ABOVE THE MILL AT THE BOTTOM OF THE CANYON.

Under the classification of Standard Products, there are a number of mills in New Mexico that produce lumber, molding and trim for the construction industry. The largest, employing 400 is operated by the Navajo Tribe. Transit Remanufacturing Corporation and Forest Products Co., Albuquerque; the Otero Lumber Company and Jackson Sawmill at Alamogordo, and the New Mexico Timber Company at Bernalillo, employ a total of about 1000. The window and door business having moved into metal fabrication, several firms are in this business. Western Hollow Metal Company, Raton, manufactures steel doors, frames, window walls and fire doors for the national market. Plasco, Inc., Albuquerque, specializes in aluminum and glass doors, windows, window walls, shower enclosures and insulating glass.

Two enterprises at Deming produce plastic products. Auburn Rubber Company is one of the nation's leading manufacturers of plastic toys and swim accessories. Marymax Container Corporation produces plastic baskets, jelly cups, medical cups and vials for national market.

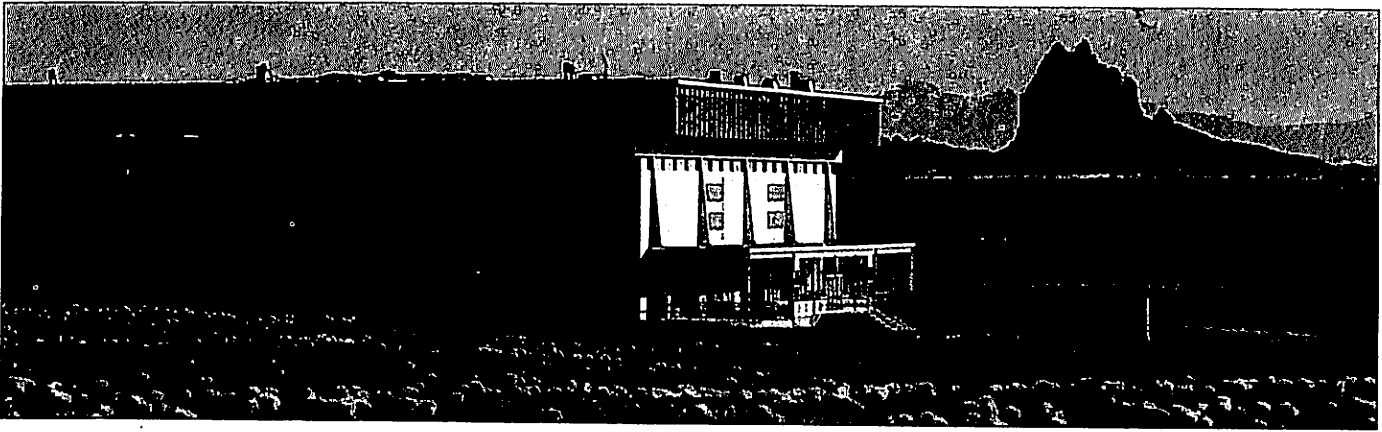
Under building products come cement and wallboard. Cement is manufactured by the Ideal Cement plant in Tijeras Canyon, near Albuquerque. The Kaiser Gypsum Company at Rosario, and the American Gypsum Company at Albuquerque are turning local raw materials into wallboard and plaster for the construction industry. The Marvel Roofing Company, Albuquerque, distributes its asphalt shingles, roll roofing, and roofing felt in half a dozen states.

The Jayval Company of New Mexico, Las Vegas, handles large contracts for parachutes for the U. S. armed forces and military establishments in foreign countries.



DICK KENT

AN 85-FOOT TRAILER BY EIDAL INTERNATIONAL, WITH 250-TON TEST LOAD. THE WORLD'S LARGEST TRAILERS ARE MADE IN ALBUQUERQUE MOSTLY FOR USE IN OIL FIELDS OF ARABIA AND NORTH AFRICA TO HAUL EQUIPMENT ACROSS DESERTS.



THE FAIRCHILD SEMICONDUCTOR TRANSISTOR ASSEMBLY PLANT AT SHIPROCK. THE PLANT EMPLOYS 500 NAVAJO WORKERS.

The Navajo Furniture Company, Gallup, manufactures children's furniture for west coast distribution. Roy Young and Associates, Albuquerque, has won widespread markets, mostly outside of New Mexico, for its Franciscan motel, hotel and apartment furniture. Sandia Battery Manufacturing Co., Albuquerque, produces auto storage batteries, and has intermountain distribution.

In the clothing category, Pioneer Wear, Albuquerque, enjoys large volume sales throughout the nation for western and casual wear. Levi Strauss plants at Roswell and Albuquerque are making Levi's. Conventional garments and the underwear are the output of the P. H. Hanes Knitting Company plant at Las Cruces, and the Otero Manufacturing Company of Alamogordo, branch of Hayes Garment Company. These five plants employ from 50 to 250 people each. Counting in small producers of *fiesta* wear, parkas and jackets, and western shirts, the clothing industry of New Mexico probably employs 1,000 workers.

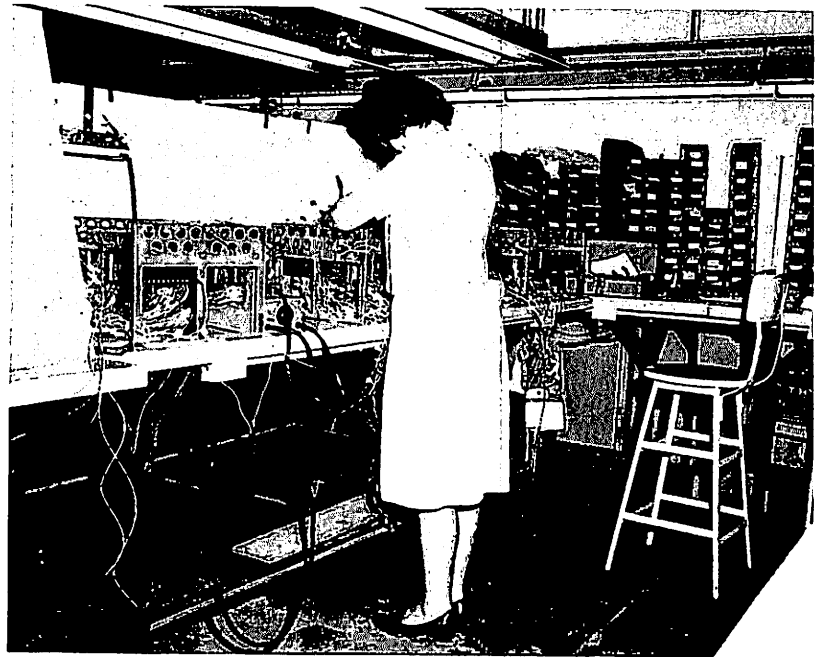
In the electronics category are a number of plants. The electronics industry, born during World War II, is represented in New Mexico by successful, expanding organizations. They are drawn here partly because New Mexico is a key area for AEC, aero-space and defense research and development; but they compete nationally for industrial contracts.

Early comers in the field were Eberline Instrument Corporation, Santa Fe, and A.R.F. Products, Inc., Raton. Eberline was a pioneer in the design and manufacture of radiation detection equipment, for which the demand grows as the use of atomic materials expands. Eberline's air monitors are widely used in laboratories and industrial plants from coast to coast.

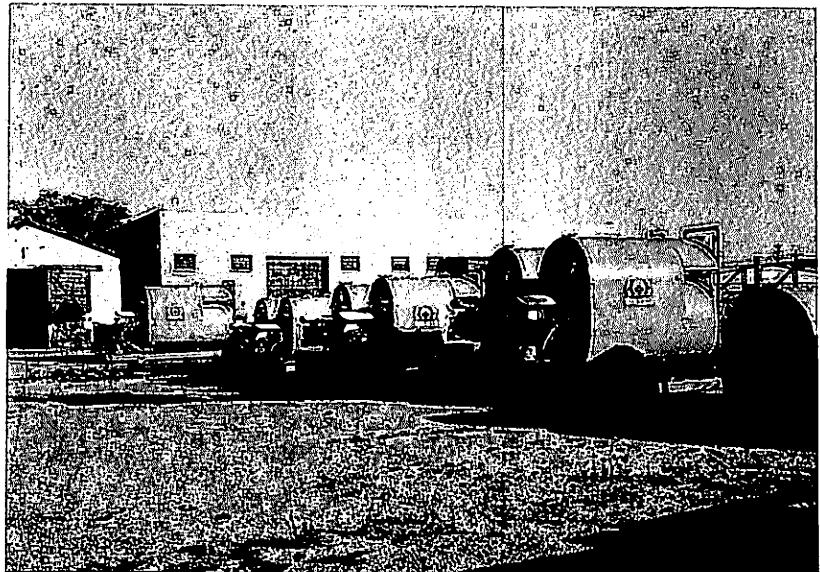
A.R.F., a long time supplier of communications and related equipment to the U.S. Navy, Air Force and defense agencies, moved from Chicago to Raton in 1953. In addition to defense contracts for research and development of special items, A.R.F. has developed several proprietary lines. Gulton Industries, Data Systems Division, and Southwest Sparton, Albuquerque, are divisions of well-known national corporations that have contributed importantly to modern technologies in defense and space programs. Gulton has produced digital systems for a long list of U.S. guided missiles and launch rockets, as well as the Apollo, Gemini, Saturn and Nimbus high altitude programs.

Sparton has been involved in electronic test systems, power supplies, switches and control devices; code generators for arming and safing weapons and instrumentation for deep space nuclear detection satellites. Other Albuquerque electronics firms

(Continued on Page 35)



ELECTRONICS ASSEMBLY CUBICLE AT A.R.F. PRODUCTS, RATON.



PORTABLE ASPHALT HEATERS AT CHILDERS CO., ALBUQUERQUE.