

Acceleration New For Commercial, Industrial Use

By JESSE BOGUE
UPI Financial Editor

New York (AP) — A man working with radiation acceleration, said Dr. Kenneth H. Morgan, can feel like a pioneer every day. There may always be something new to find out.

He may also be an industrial producer, which Morgan is. Other persons want to examine the possible use of radiation acceleration, and need the equipment which Morgan provides.

In Westbury, L. I., Radiation Dynamics, Inc., of which Morgan is chairman and president, operates in a one-story plant.

His machine (called the dynamitron) is a high voltage accelerator which was designed to fill a need for something which could produce power at high voltage levels; speed up the movement of nuclear particles, and provide a tool for basic research in reactions of materials.

Changes Materials
This may sound like something strictly for the laboratory technician, but the accelerator can do things to materials exposed to it, it changes their properties, by exposing to its action, so that certain plastics assume new abilities, the composition of dyes may change into more workable forms, food may be protected for longer freedom from spoilage.

Other concerns make an accelerator, but since the first of this year, Morgan, possessor of a Ph.D. from Washington University in St. Louis, has enjoyed a steady growth in orders.

Early this year, he said, General Dynamics Convair division took delivery on one of his machines. The University of Mississippi is on the delivery list.

Others to get delivery this quarter are the National Aeronautics and Space Administration, Lewis Research Center, Brookhaven National Laboratory. More orders are on the books.

"We have an existing market for the equipment we make here," he said, "and it will continue. There is a tremendous need for research, for example, with a six mile wall facility."

This far, this is the bread-and-butter work for radiation dynamics, along with the leasing of its facilities to concerns desiring research done on the premises or in research centers which the company operates.

But while he is a producer here, Morgan is a research man who thinks the commercial applications of the dynamitron, some of which already have been successfully demonstrated, have yet to be realized fully.

More Applications
"We don't really know yet all the things that this may be able to do in treating materials," he said. "We are sure that it can be used, profitably, by manufacturers now in the textile fields, by those preparing materials for use in the machine which will be used in space travel."

Some of the commercial applications, he said, have been tested successfully in the quiet, air-conditioned plant but they could not be discussed pending approval by other parties to the research.

Predecessor to the present firm was Telery Corporation, started in 1953 with three young scientists including Dr. Marshall Cleland, inventor of the dynamitron principle. RDI was organized in 1958 by private investors to carry on the Telery Corporation activities.

Answers Prepared For Satellite Bill
Washington — Senate leaders prepared today to point answers today to explain their blanket rejection of opposition amendments to President Kennedy's space communications bill. They hoped to pass the measure by tonight.

One answer to the given, it was disclosed, is that the President personally has reviewed the controversial legislation in detail and is "satisfied" with its safeguards against monopoly, foreign policy intrusion or other corporate abuses.

Even as the bill's opponents lined up for their final round of amendments, they produced a "big vote" against the measure when it goes back to the house.

The legislation, cleared by three major Senate committees, would set up a privately owned, government regulated corporation to operate the U.S. portion of a global communications satellite system.

Strange Sights in Nation's Capital As Summer Heat, Humidity Increases

Washington (AP) — Strange sights and sounds in the nation's capital as the summer heat and humidity increase: Campaign Strategy
Suggestion by Republican headquarters to wives of men who will run for Congress on the GOP ticket this fall: "Be friendly but aloof."

Post of Gold
Harry Nathanson wrote to his father in Beirut, Lebanon, that America was the richest country in the world and that money grew on trees. When the elder Nathanson arrived here for a visit, he was not surprised to see dollar bills hanging from the branches of a tree in his son's front yard.

Department of Confusion
Sen. Karl Mundt (R-S.D.) denouncing the liberal bloc in the Senate which is opposing the space satellite bill: "They are 20th Century Tories who favor government ownership."

National Security
Note played by the Pentagon in the pay envelopes of defense plant workers: "Parliament, pointed an automatic pistol at night manager James Smith and said: 'Get out of here,' Smith said."

Timid Robin Hood
Even in moments of relaxation we are still personally responsible for protecting the classified information that has been entrusted to us."

A man wearing sun glasses entered the Fairmount restaurant, pointed an automatic pistol at night manager James Smith and said: "Get out of here," Smith said.

Norman Mathias challenged the Senate's defeat of President Kennedy's Medicare for the aged bill. He said senators voting against the bill represented only 73 million persons. Senators voting in favor of the bill represented 108 million persons. This sort of thing goes on all the time, Mathias alleged.

Iraqi Jet Planes Attack Turk Town

Istanbul — Two Iraqi jet planes attacked the Turkish village of Baskan today, the Defense Ministry said. Four Turkish jets pursued them and opened fire. One of the Iraqi planes was forced to land in Iraq near the Turkish border, the ministry said.

A spokesman said it did not crash, as was reported earlier. Authorities here said it was the second violation of Turkish air space by Iraqi planes in 24 hours.

Chandler Attacks Record of Ullman

La Grande — Robert W. Chandler, Republican nominee for Congress in Oregon's 2nd district, criticized Democratic incumbent Al Ullman in a talk to a luncheon meeting here Wednesday.

Chandler said his opponent's record on farm legislation, Medicare and a new withholding tax proposal have been directly contrary to wishes of a majority of Eastern Oregon voters.

"Although the congressman has given lip service from time to time to problems of the lumber industry, he has failed to translate his words into action in the past and

Huckleberry Picking To Start Aug. 27; Forest Trips Listed

Recent rains have settled the dust on forest roads in the Rogue River National Forest, but travelers and campers are cautioned by Forest Service officials to be careful with fire.

Recreational areas throughout the forest are suggested in the forest's weekly report. A report by districts follows:

Applegate District — The recent rains made all roads in the district a little rough, but no limbs be cut from trees adjacent to the McKee campground for "wiener sticks" or other purposes.

Fishing has picked up after the recent rains. The streams are clear, but are low. Mining activity has made Elliott creek and the upper reaches of the river muddy. Fire danger is again considered high, so forest users are cautioned to be careful.

Institute Planned For Oregon Campus

Eugene — Several experts in juvenile correctional work, including Hyman G. Frankel, Ph.D., member of the President's committee on juvenile delinquency in Washington, D.C., will participate in the fifth annual Juvenile Court Summer Institute next week at the University of Oregon.

They will speak formally to the 70 participants invited to the institute, and will also meet informally with them in small discussion groups.

Other speakers on the program include Martin Warren of the California Youth Authority; Rudy Santillo of the Youth Studies Center, University of Southern California; and M. A. Harmon, chief bureau of juvenile rehabilitation, Washington Department of Institutions.

Harmon will speak at a public meeting in Harris hall in downtown Eugene. His topic is "Rehabilitation of Delinquents."

The institute, sponsored jointly by the Oregon Juvenile Court Judges association and the University of Oregon, has as its theme "Guidelines for Action."

Mr. Aronogian in Argentina is 22,834 feet above sea level and is said to be the highest point in all of the western hemisphere.

Lower Food Costs For Purchasers

Battery Radios Can
By GAYLORD P. COWDIN
United Press International
Washington (AP) — The price you pay for food includes the cost of handling it.

This cost can be held down with faster, more efficient handling in retail food stores, according to the Agriculture department.

Researchers of the department's Agricultural Marketing Service (AMS) have developed time-saving ways of handling groceries. This type of cost-cutting research, coupled with the miracles of production research, has made it possible for the American consumer to spend in 1961 less than one-fifth of his take-home pay for food. During 1947-49, immediately after World War II, food cost about one-fourth of the take-home pay.

Here is an example of potential consumer-savings from an average-size supermarket handling 2,000 cases of dry groceries a week. This amounts to \$2,000 individual items.

Annual Savings
If just one second were saved in the handling time per item, it would amount to 14 hours per week. Annual savings in handling costs would amount to more than \$1,400.

The department said such savings, or even higher savings, have been made with work simplification and other techniques by AMS research engineers. Most of these techniques save considerably more than one second per grocery item.

One AMS study has saved considerable time and money by encouraging greater use of tray packs to handle fast-moving groceries. Tray packs are made by cutting around a carton a short distance from both top and bottom, forming two trays to hold the cans. Tray packs eliminate the time-consuming job of handling individual items.

AMS said a store with a grocery department can tray pack up to 40 per cent of its weekly movement. Tray packing can save up to \$3,000 a year, or 12 per cent of handling costs, in a grocery department with a \$20,000 weekly business volume. AMS said savings would be less in a smaller store, but still worthwhile.

Time Saving Stamps
Further savings can be made by pricing groceries with stick-type price stamps instead of the adjustable hand-type stamps. Marketing researchers recommend a set of 50 stick stamps, plus a hand stamp for single prices and another for multiple prices.

This combination will save 8.6 seconds per case, or \$4.80 per thousand cases, AMS said. Handling costs are reduced, and sales increased, according to AMS, when space on the shelves is assigned with a careful eye toward minimizing costly restocking. For example, a slow-moving item in the fruits and vegetables section may be reduced from three or four rows to two rows without hurting sales.

By increasing a fast mover's space from three or four rows to five or six, sales on that item can be increased by 13 or 20 per cent.

AMS said retailers can help hold down the wholesale cost of groceries by receiving warehouse deliveries promptly when they arrive. Every hour that a diver and unloading equipment are idle is worth about \$3.

AMS said costs at the receiving end also can be minimized by limiting the unloading crew to three men — the driver and two store employees. The driver can unload cases only fast enough to keep two men busy.

Physicians at St. Johns hospital here made an emergency call for whole blood which was brought from Portland by Multnomah county deputies and Washington state police when it was found that the Cowitz county blood bank was out of the type.

Patrick is the son of Mr. and Mrs. E. F. Granitz. The accident occurred at the Durand home south of Castle Rock.



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Bel-air regular or pink.
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Kraft Salad Dressing
Reg. 57c value. Limit, please

32-oz. jar **49c**

MJB COFFEE
Shake the can. More measures.
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Large AA EGGS
Cream O' The Crop
Always the freshest

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Get Extra Gold Bond Stamps

VALUABLE COUPON
Worth 100 Stamps
with the purchase of
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BANANAS
Golden ripe
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2 lbs. **29c**

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Add a sprinkle of sugar, and
Lucerne Cream. Delicious!
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Tomatoes
Vine ripe and salad perfect.
Large size for slicing.
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Prem Lunch Meat Swifts. For lunches:
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Sliced Pineapple Del Monte. So
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Fruit Cocktail Del Monte. Reg. 27c. 303 can **4/51**

Del Monte Corn Cream or whole kernel. 303 can **21c**

Green Beans Del Monte. 303 can **4/89c**

Aluminum Foil Alcoa. 12" wide. 25 ft. roll **35c**

Mustard French's. Best for hot dogs. 9-oz. **19c**

Dog Food Begonia. Pet's. 2/29c

Kool-Aid 12. delightful fruit flavors. pkg. **6/29c**

Chunk Tuna Sea Trader. light meat. No. 1. 3 can **3/89c**

Juice Del Monte. Pineapple-Grapefruit. 29-oz. can **5/51**

Del Monte Peas Early Garden. 303 can **21c**

Cheerios Breakfast cereal. Family size. 15-oz. **39c**

Wheaties Dry cereal. Family size. 18-oz. **39c**

Big "G" Cereal assortment. 6 individual pgs. **2/85c**

Tortillas XLN. Really different taste. **29c**

Kubla Khan Pork Chow Mein or Pork Fried Rice. 12-oz. **45c**

Your Money's Worth More at Safeway

Lucerne Drink Orange or Grape 1/2 Gal. **2/49c**

Peanut Butter Real Roast, creamy or chunk. 3-lb. Jar **\$1**

Lipton Tea Brisk Flavor 48 Bags **67c** Half Lb. **89c**

Toilet Tissue Soft-Weave. White & assorted 2-Roll Pkg. **29c**

Napkins Scotch Lunchroom napkins. 50 ct. **2/35c**

Ivory Soap Easy on hands. 5-oz. bar **2/37c**

Ivory Soap Gentle, pure. Personal size. **4/29c**

Gamay Soap Bath bars **2/35c**

Lava Soap Hand Soap. Reg. bar **2/27c**

Mr. Clean Household cleaner. 15-oz. **43c**

Zest Soap Feel really clean. Bath bar **2/43c**

Wax Paper Cut-rite. 125 ft. roll **31c**

Ivory Snow For finest fabrics. 12 1/2-oz. **33c**

Cheer Laundry detergent. 21-oz. **35c**

Joy Liquid Detergent. 32-oz. bottle **99c**

Salvo Detergent tablet. 40-oz. pkg. **79c**

Gomel Fast cleanser. 14-oz. size **2/35c**

Tide Detergent. Save 10c. 49 1/2-oz. **65c**

FRESH BAKED GOODS

Raspberry Tarts Mrs. Wright's Pastry treat. Pkg. **39c**

ROLLS Skylark Poppy Seed. Pkg. of 10 **35c**

CLUB ROLLS Skylark Pkg. of 6 **33c**

FRENCH BREAD Pierre's Barbecue 15-oz. loaf **32c**

FOR THE REFRIGERATOR

Plastic Container One gallon size. Easy to store. **39c**

Ice Cube Trays Twin pack, for plenty of ice cubes **98c**

Sliced Beef Buddig's pre-cooked 3 1/2-oz. package **3/\$1**

Bologna Safeway brand, thick sliced. 12-oz. pkg. **39c**

Pork Spareribs Lean, meaty delicious! Frozen spareribs. lb. **59c**

Ground Chuck Extra lean, extra fresh. Safeway quality. lb. **59c**

T-BONE STEAKS

Porterhouse and Club Steaks. "USDA CHOICE" Aged beef.

Prices effective Thursday, August 16 through Sunday, August 19 at Safeway in Medford. We reserve the right to limit.

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Aged to perfection for your greatest eating pleasure. Safeway has the finest!

89c lb.

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