

Government To Spend \$38,000,000 for Research in Battle on Disease



3,800 Projects Will Get Funds For Private Jobs

Washington — (U.P.) — The government reported today it is spending \$38,000,000 to help finance private research in the battle against disease.

Between now and next July, the National Institutes of Health will supply funds for 3,800 projects in universities, hospitals and nonprofit institutes across the country.

The grants average \$10,000 a project and involve the services of some 18,000 scientists. They will be used mostly for research in infectious diseases, viruses, and cancer.

The Hoover commission last May rapped the administration for not asking Congress for money for the backlog of research projects supported by the National Institute. At that time, the commission estimated that 723 projects costing \$7,400,000 could not be started for lack of funds.

Ernest M. Allen, chief of research grants for the National Institute, said the estimate proved somewhat low. But he said the increase Congress voted in the appropriation for medical research grants would cut the backlog to about 450 projects.

Reviewed Twice
All applications for grants are reviewed twice before they are approved. First, one of 20 study sections composed of technical experts looks over the proposed project. Then it is reviewed by the advisory council for the appropriate institute within the National Institutes. The Institutes, research branch of the Public Health service, has seven divisions for cancer, heart, mental, microbiological, neurological, dental, and arthritis, and metabolic research.

Allen said the grants program has unquestionably increased the nation's supply of scientists. The projects provide "on the job" training in research to many young technicians, he said. About 15 per cent of the funds provided for grants going into training of research workers.

Reversal of Sex Useless Unless Chemically Based

Ann Arbor, Mich. — (U.P.) — Sex reversal is worthless if there is no physio-chemical or anatomical basis for the change, according to Dr. William C. Baum, University of Michigan surgeon.

"A person who has a normal glandular system but who is possessed by the desire to change his sex should not expect happiness merely because a surgeon has emasculated him," he declared.

The U-M surgeon said that everything possible should be done to determine the patient's true sex physiologically and chemically before surgery or other forms of treatment are recommended. He emphasized that most patients in need of such treatment have as the basis of their abnormality disease of the adrenal gland or the ovary.

"Relatively few," said Dr. Baum, "have a psychiatric disorder as the source of their difficulty."

According to the surgeon, rapid progress has been made in the past few years both in methods of diagnosis and medical treatment given these unfortunate individuals. The cortisone compounds are examples of what chemistry alone has done.

Surgeon's Job
Such chemical agents suppress the abnormal sex hormones responsible for the reversal of sex, said the U-M physician.

"The responsibility of the surgeon," he commented, "is to remove the glandular structures when they are involved by tumor or other disturbances of function responsible for sex reversal."

Surgeons can also perform satisfactory plastic reconstructive operations to help the patient make an adjustment to society, Dr. Baum said.

But, he said, such surgery should not be confused with operations performed on the transvestite, the individual who has a morbid desire to dress in the clothing of the opposite sex.

"In such cases, the basic need is psychiatric guidance, not surgery."

FIRST OVERHAUL

Ephrata, Wash. — (U.P.) — The huge generators in the Grand Coulee Dam power plant, are being overhauled for the first time since the giant dam was completed in 1941. Power Supervisor A. L. Darlan said it will take about six years to overhaul all of the 18,108,000-kilowatt generators in the dam's two powerhouses.

50th Year

MEDFORD

United Press—Full Leased Wire



TRIBUNE

Price 5c

United Press—Full Leased Wire

SECTION TWO

MEDFORD, OREGON, THURSDAY, AUGUST 25, 1955

Pages 1 to 10

New York Planetarium Display Rivals Outclasses as Attraction for Children

By H. D. QUIGG
United Press Correspondent

New York — (U.P.) — Dear Parents: The circus, at long last, has a serious rival. Here in our town there's a place that pulls the kids in swarms. There isn't an animal on the premises. The lure is high adventure, mixed with (shhh) higher education.

Around 250,000 kids basked in its wild charms last year, transported beyond the blue yonder into the mystery of space in a universe cobwebbed with glowing stardust.

How can captive circus lions, tigers, elephants and honking seals compete with the adventure of a new frontier — the roughest and most challenging yet — just opening in front of mankind's nose?

Wonder Dome

The place is the Hayden Plan-

etarium, a wonder dome of astronomy, make-believe, and truth. The big top here is a dome simulating the heavens. Onto it can be projected the stars in their courses, the sun, the moon, and even the tiny satellite which the United States plans to shove up into the sky.

But this main event has been going on for years in planetariums of several cities. A new fascination here lies in the side shows, geared to rocket travel in space.

You get into the mood just outside the dome room when you encounter a display titled "your weight on other worlds." You step onto five scales, each calibrated to show how much you'll weigh if you ever get to another heavenly body. Thus, this reporter, who weighs about

150 pounds on earth, found his poundage would be: On the Moon, 25; Mars, 59; the Sun, 4,300 (a good, crisp figure); Venus 132; Jupiter, 410.

Hard by is the "Viking Hall," dominated by a huge, full scale Viking rocket. Red and green luminous cutaway sections show the workings inside. Parts of the rocket were taken from an actual Viking that soared more than 140 miles upward.

Weird Lights

Across from it, in weird blue lights, flashes a sign, "reports from out of this world." Under it are listed the reports the Viking has sent back from upper atmosphere to the Naval Research laboratory.

Nearby speeding, looping lights show "way stations in space" — the paths that man-made satellites may follow

around the earth.

One exhibition shows robot rockets landing on the moon on long spider-legs like futuristic insects. The whole floor is garlanded with electronic instruments, pictures of star clouds, gaseous nebulae, the milky way, comets. By a big arrow pointing downstairs is the legend:

"Solar system and rest rooms." And there's a real visit from space. The largest meteorite on exhibition in the world — you can reach right out and pat it.

"A Story That Needs Telling"

SEE PAGE 8
Section 1

BUSH HOME FURNISHINGS

German Industry in Comeback Thanks To Machinery From States

Dusseldorf — (U.P.) — The supervisor at the giant Krupp works waved toward the rows of glittering machines, most of them made in the United States and Switzerland.

"You see how foolish politics are," he said. "You take away all our old machines and replace them with new ones. We are very satisfied."

It was a sage commentary on the ironic chain of events that has brought Germany surging back to industrial power.

There were nights in 1943 and 1944 when the Ruhr's grimy cities were engulfed in fire from Allied bomber strikes. One third of the Krupp industries was totally destroyed. Another 40 per cent was dismantled and shipped all over the world. Alfred Krupp von Bohlen and Halbach went to prison as a war criminal.

Four years ago he was released and today his factories, making everything from false teeth to steel, are in the thick of the competitive global war for markets. They have the advantage of brand new machinery and plants.

There are those who term the

German comeback an economic "miracle." It is no miracle when you consider some plain facts.

The United States alone has furnished more than \$4,287,714,000 to West Germany in ECA and Marshall Aid funds.

The working man in West Germany is on a 48, not a 40, hour week. The unions protest but that is all they do.

The giant Volkswagens work

at Wolfsburg early this month turned out the one-millionth model of the bug-like little car since post-war production was resumed. Sixty per cent of them have been exported and the capital reinvested in expansion.

British car exporters are gravely concerned.

Perhaps the figures that best tell the story of the "new" Germany are those for steel.

West German mills turned out 10,284,000 tons for the first six months of this year. The 1955 total probably will be around 25,000,000 tons.

That compares with 88,311,652 tons for American steel producers last year and an estimated 45,000,000 for Russia.

It helps explain the bitter struggle in international diplomacy today for Germany as an ally.

Germany is reaching into the skies again, too. The Lufthansa airline has been reborn with routes crisscrossing Europe and extending to the Middle East, the United States and Latin America. The Messerschmitt and Heinkel airplane factories are tooling up.

New Air Conditioning System for Santa Fe

Chicago — (U.P.) — A new dry-operating air conditioning system will cut operating costs two ways on the Santa Fe Railroad's new fleet of two-story passenger trains, the company announced.

The new system eliminates water supply and service for the condensers and takes less payload space.

The air conditioning equipment, which will go into operation next year, fits in a compartment at each end of the car, over the wheels, instead of being suspended below the floor, exposed to dust and dirt.

GRAND VIEW MARKET and Locker Plant

Phone 2-8188

2330 CRATER LAKE AVENUE

SPECIALS FRIDAY AND SATURDAY, AUG. 26-27

CANNING PEACHES \$1.79
Improved Elberta Freestone
Local Fruit 22 to 24 lb. lug
Large Size

THOMPSON SEEDLESS GRAPES Extra Fancy Quality **2 lbs. 25c**

CALROSE APRICOTS WHOLE UNPEELED
2 1/2 size Cans **2 for 49c** Case of 24 cans **\$5.49**
NESCAFÉ 100% Pure Instant Coffee
6 oz. **\$1.65**

PURE SUN BRAND CONCENTRATED JUICES
• Real Lemon
• Real Orange
• Real Lime
2 CANS 29c
A Delicious Summer Drink
SEA TANG LIGHT HEAT TUNA
Flaky & Tender
6-OZ. CANS
5 CANS 98c
We Give S&H Green Stamps!

Party Time CUT GREEN BEANS 303 size Cans **2 for 25c**

OSCAR MAYER LUNCH MEAT 12-oz. Cans **3 for \$1.00**

TASTY BRAND SAUSAGE Square Links
PURE PORK 49c lb.
PURE Ground Chuck LEAN FRESH 55c lb.

LOCKER BEEF — U. S. GRADE CHOICE
Front Quarters 37c lb. NO EXTRA CHARGE FOR CUTTING and WRAPPING

Yours for the pickin'...
A NEW CROP of FALL BUYS
BIG Y Thrift Dept.

20 GALLON Garbage Cans
Hand-dipped in pure molten zinc. Will not leak—Rust resisting.
4.95

BAMBOO RAKES
Made of Imported Bamboo. Teeth in fan shape. Reinforced with wire. Reg. 29c.
Special At **19c**

KWIK-LITE Lighter Fluid
For all cigar and cigarette lighters. 4-Oz. Can **9c**

CAR MATS
Protect your car floor covering. Six beautiful colors to match any car. Size 16x18-inch.
59c

BRIDGE CARDS
Linen Finish Assorted designs. 49c Value
39c

ALUMINUM WATER PITCHER
Mirror Finish Rustproof. Easy to clean. 1 Qt. size.
69c

BIG Y Thrift Dept.