

the nation

Russian
researches
cancer

United Press International
SAN ANTONIO — A Russian scientist has been doing research at the Southwest Foundation for Research and Education in the worldwide search for one of the causes of cancer, officials said Thursday.
Dr. Zinaida Vsevolodovna Shetsova will be at the biomedical research center until Sept. 22 as part of

the United States-Soviet Scientific Exchange Program, then will spend a week at the National Cancer Institute at Bethesda, Md.

She is working in San Antonio with Drs. S. S. Kalter, director of microbiology and infectious diseases, and Richard L. Heberling, a scientist at the foundation.

Mom asks court
not to unplug son

United Press International
PUEBLO, Colo. — From her room at the Colorado State Hospital, the mother of a 17-month-old boy hospitalized with brain damage has asked the Colorado Supreme Court to prevent her son's life-saving device from being unplugged.

The woman, Rosalie Lovato, 20, was taken into custody for investigation of child abuse two weeks ago and now is in protective custody at the state hospital.

Tuesday, District Judge Donald Abra ruled the boy, who began showing signs of severe brain damage Aug. 23, could be removed from a respirator, but he gave the mother's attorneys 10 days to appeal to the state Supreme Court.

Lovato's lawyer, Carl W. Gellenthien, said he met with his client Wednesday and she asked him to stop doctors from taking her child off the life-saving device.

"It's the mother's opinion that she wants every medical and legal test and remedy possible before the life support system is pulled. I will have an appeal or an original writ into the Supreme Court by Monday or next Tuesday," he said.
Gellenthien said a court-

appointed guardian for the child, attorney Mickey Smith, also wanted to appeal. The boy, Jerry Trujillo, has been kept alive by a respirator since Aug. 23.

Colorado has no law declaring death by lack of brain activity, although three physicians have testified the boy's brain is dead, there is no possibility of recovery and the youngster should be removed from the machine.

Abra made his decision after physicians said there had been no brain activity since last Friday and said the youngster had not responded to pain or verbal stimulus.

Sun to block transmission,
NASA to turn off Pioneer

United Press International
MOUNTAIN VIEW, Calif. — Pioneer 11 was readied today for a shutdown of its instruments preparatory to a pass behind the sun.

The spacecraft has been investigating Saturn and its moons, on the other side of the solar system from the Earth.
The sun will be between the Pioneer and Earth, and will block communications between the spacecraft and NASA's Ames Research Center for seven to 10 days, probably beginning Friday.

As Pioneer closed its angle with the sun and earth, background noise from solar radiation escalated. As a result, the data bit rate, which was 1,028 per second last week, was dropped to 64 a second, a level that carries little information.

Pioneer, moving at 21,000 mph, was 2.6 million miles away from Saturn, which it visited Saturday. Most of its 11 instruments already were turned off, but the spacecraft continued to send information about Saturn's urge magnetic field.

John Wolfe, chief Pioneer scientist, was mildly surprised that in its retreat from Saturn, the spacecraft had left and reentered the magnetic field four times, the last time Wednesday at a distance of 2.3 million miles.

A NASA spokesman said the signal today was "one tenth with 22 zeroes behind it of a watt. It's like looking at a match on the moon."

Missiles, prison, power sought

Dying town looks for new life

United Press International
ELY, Nev. — Most city folks turn up their nose at the idea of a prison or a giant power plant in their backyard.

But when you're down and out, any new industry looks good.

That's the plight of Ely, a small eastern Nevada city which has been supported by its copper mining industry during most of this century. The ore supply has run out and the work force of 1,450 has dwindled to less than 150 persons at Kennecott Copper Corp.

"We're facing some deep trouble," says newly hired Economic Development Director Mike Bourn.

In the last year, the county population of 10,500 has dropped by an estimated 2,000 persons, mostly because jobs are scarce, and some merchants are starting to feel the pinch.

Two ideas the townspeople have come up with to replace the mining operation call for convincing the Nevada Legislature to build a \$25 million prison on the outskirts of the city and also promoting construction of a \$1.5 billion electricity generating plant which would transmit 50 percent of its power to Southern California.

"I tell these people these things won't get them the reputation the Mayo Clinic brought Rochester, Minn.," says state Sen. Rick Blakemore, whose district includes Ely. "But these people don't care. They are 100 percent behind these projects."

If help isn't forthcoming, Blakemore estimates half the population will leave for greener pastures.

Remote Ely, 250 miles from Salt Lake City and 300 miles from Reno, has experienced the boom and bust

periods associated with mining. Always it has weathered the storm. It also has produced some prominent citizens since World War II, including two governors and a Nevada Supreme Court chief justice.

At several public meetings the past few months, hundreds of residents have voiced their support for a prison. There has been no dissent.

Bourn says Huntsville, Texas, put on the map by its prison and rodeo and the same could happen here.

The 600-inmate prison could house as many as 300 persons after construction is completed.

And city officials have entered the Los Angeles Department of Water and Power in the contest to construct a 1 million kilowatt coal-fired generating plant that's a long-range project that needs approval from the Nevada Legislature and other governing agencies.

With the current gasoline shortage, it also appears to be the time for a program to attract additional tourists. But Ely is ahead with one.

To help, the Four Corners regional Commission, an organization of five states in the West, has granted \$100,000 into White Pine County for economic development.

Kennecott Copper has donated \$48,000.

Sorghum
reserves
released

United Press International
WASHINGTON — For the second time this year, grain sorghum prices have increased to a level so that farmers have an option of selling their sorghum reserves, the Agriculture Department said today.

Farmers may remove their sorghum from reserve by repaying government loans on the crop. They may sell the grain once the loans are repaid.

Agriculture Department official John Goodwin said a five-day average of market prices for sorghum was \$4.33 per hundredweight on Wednesday, which was 9 cents above the \$4.24 price at which Agriculture Secretary Bob Bergland may release sorghum from reserve.

Ocean-air relationship studied

United Press International
SEATTLE — It may not seem likely that ocean currents and temperatures and the anchovy harvest off Peru have much to do with the European livestock industry or the poultry business in the United States.

But strong evidence supporting just that kind of interrelationship is one bit of the mass of information coming from studies into how the oceans and the atmosphere interact to make and change climate in one region or another.

Among the scientists working on a global basis in such studies is Dr. D. James Baker Jr., chairman of the University of Washington oceanography department and former researcher for the National Oceanographic and Atmospheric Administration.

Baker says it has long been suspected that energy contained in oceans may be the major force in determining why a region will get a stretch of extremely cold winters or a period of drought.

"We know less about the ocean than the atmosphere," he says, explaining why research into ocean-air interaction now is concentrated in the depths of the seas more so than in

the atmosphere.

"When we get the answer, it will have a big impact on agriculture and fisheries."

Baker says scientists look forward to the time when they will be able to tell a farmer the kind of moisture and growing season to expect a year or more in advance, or to tell a fisherman when he can expect an abundant harvest.

Most of the important questions remain to be answered, he says, but researchers have come up with some major findings.

One example: In the fall of 1976, the Northern Pacific was one to three degrees Celsius below normal. At the same time, water off the west coast of North America was a degree or two warmer than usual.

To the south, the equatorial Pacific for thousands of miles west of Peru was one to two degrees above normal.

The following winter brought severe cold, record snowfall, droughts and crop failures in many parts of the United States, but Alaska was so unusually warm that the Yukon River

didn't freeze for the first time in anyone's memory.

Off Peru, the warm surface water acted like a barrier preventing the usual nutrient-carrying upwelling of cold water from the ocean floor. The anchovy fishery, largest in the world, all but disappeared.

In a good year, the Peruvian anchovy harvest amounts to 12 million tons. Many of the finger-sized fish are processed into fish meal to help raise European livestock or U.S. poultry. The "anchovy drought" occurred at about the same time as a world short-fall of grain and the price of meats soared.

Scientists have been increasing studies of this phenomenon off Peru, known as the El Nino (the child), since the 1950s and have found it occurs about once every seven years.

Baker says stronger trade winds have served as a barometer in forecasting the El Nino, indicating the relationship between air and water.

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Disciples
You are invited to lunch following worship Sunday Sept. 9th at the First Christian Church, 900 Ennis, Bryan.
9:30 Church School led by Dr. John Hoyle.
10:50 Morning Worship with the Rev. Michael Miller preaching.
Lunch following worship. For transportation call 823-5451.

PRESBYTERIANS
You are cordially invited to LUNCH following morning worship on September 16th at First Presbyterian Church of Bryan.
Come early for the Life Planning Hour at 9:30 with Bookman and Pat Peters Topic "The Search for a Personal Faith."
WORSHIP AT 11 A.M. WITH PRESBYTERIAN CAMPUS MINISTER AT A&M MICHAEL MILLER PREACHING.
LUNCH WILL FEATURE SINGING BY RECORDING ARTIST JIM GILL OF BEAUMONT.
Call 823-8073 for transportation.

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Hear Preach at 11 A.M.
Bobby Tucker — Senior at TAMU
'78-'79 Student Body President of TAMU

Hear & See Missions Slide Presentation at 7 P.M. By —
Ronny Stephens — Senior at TAMU
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