

HUMAN COMPUTERS RUN ON BRAIN POWER



The winning team from Southern Junior High School in Lexington (upper left) relaxed between questions. Cooperation on bonus questions helped North Junior High School from Henderson (middle left) become the second place team. Competitors from Tichenor Middle School in Erlanger (right) answered questions as questions were asked. Concentration helped this student (upper right) from Reiland Middle School in Paducah.

Effects of air and water quality on health are EPA issues

by Dr. Jerry Howell
Director of Environmental Studies
Morehead State University
Updates on the effects of air and water quality upon health have recently been issued by the Environmental Protection Agency (EPA) and the Federal Council on Environmental Quality. The Council, in its annual report for 1977, said there is statistical confirmation that heart and cardiovascular system diseases tend to decrease as the hardness of drinking water increases.
In the U. S., the west has the lowest death rates from cardiovascular diseases and its levels of water hardness are the highest. The highest rates of heart disease exist in the southeast where water is the softest. Human cardiovascular problems in other areas of the country are in direct proportion to their water hardness.
These relationships seem relatively clear cut, especially since many other variables such as population size, age and sex, have been accounted for in the data. A controversy does exist, however. Does hard water prevent heart disease or does soft water cause it? British studies have stressed the health effects of chemicals in hard water, while U. S. studies have mentioned the possibility of damaging chemicals in soft water. Hard water contains many different common chemicals, including calcium, magnesium, phosphorus, and manganese, which may somehow contribute to cardiovascular well-being. Soft water is corrosive and dissolves possible harmful elements, such as cadmium, lead and zinc, from water pipes, permitting humans to passively ingest them.
Some authorities disagree with the necessity of manipulating our water supplies and say that although the statistics are probably valid, they may only show a weak correlation. Among those authorities who believe a correlation does exist, there is disagreement as to the factors involved.
The EPA study confirmed that even low levels of air pollutants can have an adverse effect on human health and can decrease the probability of long life.
The study, conducted in the Pittsburgh area, showed that a significant reduction in particulate matter and sulfur dioxide would reduce pollution-related mortality.
The study also showed that the impact of air pollution on humans generally increases with age. Either the human body's ability to fight off the effects of air pollution decreases with age or air pollution has cumulative effects. Men seem to be affected more than women in age groups below 65, but the effects on people above 65 are about equal in both sexes.

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Lively tornado season ahead for southern area

By Barbara R. Matlet
National Geographic News Service
WASHINGTON — Long-range tornado prediction has an exact science, but an official of the National Service Storms Forecast Center says the South may be in for an active tornado season.
Fred Oddy, deputy director of the center in Kansas City, Mo., said in view of this year's stormy weather in the southern states — causing flash floods in California and Arizona and abnormally heavy snowfall in Texas, Oklahoma, Arkansas, and Louisiana — the South can expect tornado outbreaks this year's regional contests at eight states, universities.
Lydia Wells Sledge, math consultant for the State Department of Education, urges all 151 local school districts to participate in next year's contest. "It's never too soon to begin planning for next year's math bowl," she said. She can be contacted at (402) 684-5377 for rules and information about the math bowl.

Funnels by the Hundreds
From 800 to 1,000 twisters hit the nation each year, most in a broad belt called "tornado alley" that stretches from Texas to Michigan.
They are nature's most violent, destructive storm over a small area, says "Powers of Nature," a new book published by the National Geographic Society. They range from thin rope-like funnels 100 feet wide to howling black "masks" more than a mile across.
The storm that hit the Birmingham, Ala. area in April 4, 1977, killed 22 people and caused \$15 million in damage, was a mask — the most lethal of all types and the one who survives for the longest time. Winds gusting to 300 miles an hour and were capable of lifting automobiles into the air.
Although tornadoes usually last only minutes, they are awesomely destructive. Since 1916, when meteorologists began keeping records, tornadoes have killed more than 11,000 people in the United States and caused billions of dollars worth of damage.
The most devastating tornado in history occurred in March 1925. It traveled 220 miles across Missouri, Indiana, and Illinois, killing nearly 700 people.
Most tornadoes strike in spring and summer. During this period the Northern Hemisphere gradually faces the sun's rays more directly and for a longer time each day. Warm, moist air from the Gulf of Mexico begins to push rapidly northward, where it meets colder polar air masses moving south.

Hospital notes

May 5 to May 11
Admission: Oliver Owing, Minnie Kalschauer, Sadie Rose, Delphis Abery, Willis F. Gultiver, Mary Ellen Dwelly, Aquilina Jolly, Darrell Wayne Myers, Debra Green, Janet Polios, Angela Sexton, Clarence Jackson, Wilson Bricker, Carlisle; Mabel C. King, M. Oliver, Henry Young, Paris; Deborah McCarty, Sharpburg.
Discharges: Ben Trussell, Katherine Tyler, Edward Allen Tischer, Mary Turner, Belle Hughes, Everett Berlin, Carlisle; Patty Backer, Sharpburg; Anne Arramont, Bethel.

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Lucille Feaback retires

"A teacher who can arouse a feeling for one single good action, for one single good poem, accomplishes more than he who fills our memory with rows on rows of natural objects, classified with name and form."
— Abraham Voltaire
Mrs. Feaback's time was 4 1/2 work. Other activities which have occupied Mrs. Feaback's time are 4 1/2 work. Mrs. Feaback has one daughter, Mrs. Martha Taylor, who is a teacher at the Nicholas County High School.

Mrs. Feaback was born on September 25, 1907 and attended the Ellenville Elementary School. Here she learned her A, B, C's and the love of reading in a one-room school which contained eight grades. After attending seven years at Ellenville School, she came to the Carlisle School to complete the eighth grade and high school.
After graduation from high school, Mrs. Feaback went to Western Kentucky University for one year and two semesters. In May of 1930, Mrs. Feaback completed her A.B. degree from Georgetown College by going to school on Saturdays and during the summer terms.
The first school taught by Mrs. Feaback was at Stoney Creek. Here she taught the first four grades from 1931-32. The 1930-31 school term at Stoney Creek, Mrs. Feaback married and left the teaching field until 1934.
In 1934 the restlessness to teach stirred within Mrs. Lucille W. Feaback. Therefore, she again entered a new school, the 1934-35 school year was spent at Nicholas County High School teaching part-time in English and spelling in the eighth grade.
This first year of part-time teaching proved to be very rewarding and successful for Mrs. Feaback. However, she was now sure that she wanted a full-time teaching position. Therefore, in the 1935-36 school term she got a job at Headquarters Elementary School in Nicholas County. At Headquarters, Mrs. Feaback established her reputation as a remarkable educator. She spent 1937-71 at Headquarters.
The fall of 1971 was to be a historic moment for Nicholas County. In this year, all schools were to merge into the modern Nicholas County Elementary School located on School Drive. Mrs. Feaback, along with other teachers from the county, came to the new school. We have been blessed by the presence of Mrs. Feaback at the new school from 1971-78. During these

Mrs. Feaback
Brenda Tincher wins contest
Brenda Tincher, daughter of Mr. and Mrs. Luther Tincher, has been named district winner of the Conservation Essay Contest. Each year the contest is sponsored by the Courier-Journal and the Louisville Times.
Brenda received a plaque for her interest in conservation and an environment, a letter of congratulations, and a \$25 U. S. Savings Bond.
She is a freshman at the Nicholas County High School and a member of Mrs. Kay Willis' English class.

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Head Start funding problem is averted

WASHINGTON, D.C. — A funding problem for the highly regarded Head Start program in Kentucky, which would have occurred next year, was averted May 10 when the House Education and Labor Committee adopted an amendment sought by Congressman Carl D. Perkins.
Head Start is a program which prepares preschool children from low-income homes to compete in the regular grades on an equal level with children from economically better off homes. It is credited with considerable effect on breaking the poverty cycle, Congressman Perkins said.

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8:00 Drawing Mrs. N. Wills Carlisle Presto Hot Dogger
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Head Start funding problem is averted

Individual Head Start programs in Kentucky would suffer an actual loss of funding next year, when the level of funding would have reverted to the 1973 funding level, but under the Perkins amendment, Kentucky Head Start programs will get a cost-of-living increase and share in any future amount available to Head Start.
The Perkins amendment will let Kentucky Head Start receive as much as \$4 million more than under current law, but the action must be ratified through the legislative process before it becomes final.
The Kentucky Congressman, who is chairman of the Education and Labor Committee, was also instrumental in securing Committee approval of a five-year extension of the Follow Through program. An agreed to by the Committee on Education and Labor. \$70 million will be authorized for Follow Through next year, a \$10 million increase over the current level of funding.
The authorization for Follow Through grew by \$10 million increments over the five-year period to a \$110 million authorization in 1983.

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