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LEGAL NOTICE

PUBLIC HEARING NOTICE
The Texas Department of Water Resources will conduct a public hearing beginning at

1:30 p.m. - September 28, 1978
Brazos River Authority Board Room
4400 Cobbs
Waco, Texas

In order to receive testimony concerning Volume II, Plan Summary Report, of the Water Quality Management Plan for the Brazos Basin. This document is the second of two volumes which comprise the Water Quality Management Plan for the Brazos Basin. Volume II, Plan Summary Report, presents the recommended plans for water quality management and the legal, financial, and institutional requirements of each plan. Also included in Volume II are descriptions of feasible alternatives, an environmental assessment, and a summary of the public participation activities conducted during the development of the plan. The Water Quality Management Plan for the Brazos Basin has been developed to satisfy the requirements of Section 26.036 Texas Water Code, as amended, and Section 208 of the Federal Water Pollution Control Act, and pursuant to Title 40 Code of Federal Regulations Parts 130 and 131 and the State of Texas Continuing Planning Process. The public hearing shall be conducted in compliance with Section 26.037, Texas Water Code, as amended.

The study area for this plan includes most of the Brazos Basin. This plan does not address the planning required in the Killen-Temple Designated Area-wide Planning Area; detailed planning within that area is being provided through the development of the Killen-Temple Area-wide Waste Treatment Management Plan and will not be considered at this hearing.

Copies of the Volume II, Plan Summary Report, are available for public inspection. Review of Volume II, Plan Summary Report, at one of the following locations is encouraged due to the limited number of copies available for distribution: Texas Department of Water Resources Office, Stephen F. Austin Building, 1700 North Congress Avenue, Austin, Texas; Texas Department of Water Resources District 1 Office, Amarillo Building, 301 S. Polk, Room 306, Amarillo, Texas 79106; Texas Department of Water Resources District 2 Office, 4819 Avenue Q, Lubbock, Texas 79412; Texas Department of Water Resources District 4 Office, 203 James Collins Blvd., Duncannonville, Texas 75116; Texas Department of Water Resources District 7 Office, 2318 Center Street, Deer Park, Texas 77536; Texas Department of Water Resources District 9 Office, 133 West Concho, San Angelo, Texas 76903; Brazos River Authority, P.O. Box 7555, Waco, Texas 76710.

The public is encouraged to attend the hearing and to present evidence or opinions concerning Volume II, Plan Summary Report. The Department would appreciate receiving a copy of all written testimony at least five (5) days before the hearing. Requests for individual copies of the Volume II, Plan Summary Report, questions about the report or the public hearing, and copies of written testimony should be addressed to Jackson H. Kramer, Texas Department of Water Resources, P. O. Box 13087, Capitol Station, Austin, Texas 78711, or call (512) 475-3454. When requesting a copy or sending a query by mail, please include your complete return address and telephone number.

The date selected for this hearing is intended to comply with deadlines set by statute and regulation. Any publication or receipt of this notice less than thirty calendar days prior to the hearing date is due to the necessity of scheduling the hearing on the date selected.

This public hearing may be continued in order to fully develop the evidence.

Issued this the 18th day of August, 1978.

Emory G. Long, Director
Construction Grants and
Water Quality Planning

Conoco employees receive computer advice on energy

United Press International
HOUSTON—Continental Oil Co. has begun offering free computerized home energy efficiency evaluations to its 40,000 employees and retirees and eventually plans to make the idea available to other organizations.

Project ECHO (Energy Conservation in the Home) involves mailing questionnaires to Conoco employees and compiling their return-mail answers through the company computer.

The computer then responds what, if any, changes could be made and the resulting cost savings. "By doing this, we should be providing people the kind of information they need to make a responsible judgment," said Ken R. Gerhart, program director. "I don't think most people can do that. I know I couldn't."

"We've all been hollered at a lot about being wasteful, but I really don't know where it is we

go to find out what we can do that is economically sound. That's what this is intended to supply."

The mail-out form contains 30 questions, including simple ones such as how many persons occupy the home and more difficult ones like how much wall space is insulated. Measurements of windows, doors and insulation often are required.

"It probably takes an hour to complete," Gerhart said.

When it is returned, the information is converted to computer data and fed into the machine. Also fed into the machine are company-compiled data about local climate, utility rates, likely cost of insulation or other measures.

"We've got them (questionnaires) from nearly every state," said Gerhart, whose company has headquarters in Stamford, Conn., and Houston as well as operations in several other states.

The computer responds whether more insulation, storm windows, storm doors and the like would save money. It also shows money savings from adjusting the thermostat in 2-degree increments, depending on the season.

"It only responds on capital improvements if the installed cost does not exceed the amount they would get back in 10 years," Gerhart said.

Since June 1, 13,000 questionnaires have been mailed out. About 2,000 have been run through the computer. The response has not been overwhelming, but Gerhart said questionnaires are still coming back.

"Its response has been somewhat less than we estimated," Gerhart said. "I don't know why. It may just be that people are busy in the summer."

He said they expected — guessing that one-third of their employees live in other than

single-family dwellings and therefore were ineligible — that half of the others (or one-third) would respond. So far, response is about 20 percent.

Gerhart said after development costs, which he would not estimate, the system is cheap — "about \$5 a head" including mailings and computer runs.

"We're about 80 percent through with deciding how we might make this available to responsible people," Gerhart said. "I don't think we're too far away from a decision."

He said the computer technology involved is not arcane, but it's not run-of-the-mill either. Still, he said companies and organizations could pool equipment to do the job.

"Public interest groups could do it," he said. "What it needs is a good promotion. You need people knowing about it and wanting it."

Defects not caused by Pill, doctors say

United Press International
CAMBRIDGE, Mass. — Doctors at Harvard University's School of Public Health have concluded there are no major risks of deformities in babies born to mothers who have used oral contraceptives.

The Harvard study on "Oral Contraceptives and Birth Defects" appeared Thursday in the New England Journal of Medicine. Dr. Kenneth Rothman and Dr. Carol Louik, members of the school's epidemiology department, reviewed birth records of 7,723 babies born in 20 Boston-area hospitals.

The researchers said among the 2,188 births to women who had not used oral contraceptives in the last three years, the malformation rate was 3.3 percent.

For the rest, born to women who had used some form of oral birth control, the rate was 3.8 percent.

Once that study was concluded, the 5,535 infants of mothers who had used the pill were then divided into two groups. One group consisted of those conceived within a month after the termination of oral contraceptive use, and those conceived after a longer interval.

In the 1,448 babies in the first group, the malformation rate was 4.3 percent, the study said. Of the remaining babies, the rate was 3.6 percent.

The comparisons grouped major congenital defects together with minor ones. When only major defects were compared, users and non-users of the pill had nearly the same rate, 0.55 percent.

Several published studies have previously shown a small positive association between hormone use and heart defects, and between hormone use and congenital limb reduction, the report said.

However, the relationship seems limited to those infants born to mothers who kept taking hormones during the early stages of pregnancy, the researchers said.

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New blood cell paternity test used

Findings show twins have 2 dads

United Press International
LOS ANGELES — A test for paternity using white blood cells instead of red cells has identified two fathers for a set of twins, an occurrence so rare it could happen about once in one million times under the right conditions.

Dr. Paul Terasaki of the University of California, who developed the so-called HLA test, said the identification of different fathers for each twin was "striking testimony of the power of HLA typing to determine paternity."

HLA, which stands for Human Leukocyte Antigen, matches tissue types instead of blood types. The probability of accuracy is between 67 and 99 percent with HLA compared with a probability of only 10 percent in the standard A-B-O blood type tests.

Terasaki, a professor in surgery, developed the HLA test in 1964 as a means of establishing tissue compatibility for kidney transplants. But it became apparent it also would serve to establish paternity and the first tests for paternity were made in 1972.

Since then about 1,000 cases in Southern California have been determined and the test has been

praised by the courts and prosecutors because it has eliminated the necessity for scores of trials.

"This is a white blood cell test," Terasaki said in an interview. "We isolate the white cells from the blood, more specifically the cell called leukocyte, and we test that cell against a wide range of reagents."

"That determines HLA types. Only about one in every 1,000 persons will have the same tissue types."

The remarkable efficacy of HLA typing is attributed to the fact that the factors tested are rare in the population, Terasaki said.

"Thus, if a putative (suspected) father shares a combination of HLA types with a child, it is highly probable that he is in fact the true father."

The older red blood cell test is so inefficient by comparison, he said, because there are only four blood types — A, B, O and AB. As a result many people have the same blood type and tests to determine differences can exclude less than 10 percent of the suspected fathers.

In the case of the twins, the mother and a putative father were initially tested for HLA. It was determined that both offspring inherited a determining factor from the

mother. But it was further found that the suspected father could definitely be excluded as the father of one twin.

The probability of paternity for the other twin, however, was 96.8 percent.

"Because of these seemingly inexplicable findings," Terasaki said, "the mother was asked whether there was any possibility that another man might be involved."

She named another possible father and he also was typed by the HLA test. That gave the testers two putative fathers, called father 1 and father 2. And father 2 was excluded as the father of twin 1 but could not be excluded as the father of twin 2.

A colleague of Terasaki said there was only one chance in a million that two men would each father one twin.

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