

Hazel Plummer Bowling Scores

The Hazel B. Plummer Bowling League scores for November 29:

Ladies' high game: 207-Missouri Morris, 203-Barbara Harrington, 198-Anne Reed and Thelma Parrish.

Ladies' high series: 578-Barbara Harrington, 546-Missouri Morris, 528-Nancy Rowland.

Men's high game: 240-Frank Hanes, 211-James S. Harrington, 204-Norman Johnson.

Men's high series: 586-Jim Dyer, 578-Jimmy L. Harrington, 566-James S. Harrington.

Others: 523-Bernice Snipes, 514-Roslyn Leslie, 502-Anne Reed, 203-Joseph Parker, 202, 201-Jim Dyer, 202-Jimmy L. Harrington, 558-Frank Hanes, 558-Linwood Taylor, 543-Ronald Miller, 542-James 'Buck' Parker, 539-Ronald Bullock, 538-Howard Flitts, 523-Wilber Gregory, 520-Wallace Royal, 510-William 'Bill' Adderly, 502-Willie Finch.

High Team Game: 856-Sparemakers.

High Team Series: 2455-Pacers.

Four Game Winners: Pacers, Sound Experience, Fireballs.

Marijuana May Cause Infertility

By Henry Duvall
Public opinion on the effects of marijuana usage ranges from harmless to very harmful. The National Institute on Drug Abuse, however, indicates that among some of the known or suspected chronic effects of long-term marijuana usage are impaired lung function, decreased sperm count and possible adverse effects on heart function.

Microscopic evidence in a study of laboratory rats by Howard University researchers now gives indications that marijuana may also cause infertility in male offspring born to women who smoke the popular drug during pregnancy. Scientists at Howard's College of Medicine in

Washington, D.C., have found in studying laboratory rats that marijuana causes structural damage to the prostate gland in male offspring and a female pattern of hormones.

As a result, the majority of the male rats studied were found to be permanently infertile compared to those born to mothers not given the drug, says Dr. Balwant Ahluwalia, who led the research. And because of a deficiency in the major male sex hormone, testosterone, the newborn males in the study displayed feminine tendencies.

If Ahluwalia's study is any indication of marijuana's effect on human pregnancy — and he suggests that there are "strong indications" for humans — then women smoking marijuana while pregnant face risks of producing infertile sons.

Dr. Ahluwalia points out that the infertility is usually not discovered until the male offspring reach manhood and find they cannot reproduce.

An offshoot of a study supported by a grant from the National Institute on Drug Abuse, the Howard research concludes that the greatest risk of causing infertility appears to be in the first six months of pregnancy when "the fetus is very sensitive," says the researcher, a veterinarian and biochemist in the Howard Department of Obstetrics and Gynecology.

In conditions simulating the nine-month pregnancy cycle, laboratory rats were injected with doses of marijuana equivalent to four "joints" a day. During the 21 days from conception to delivery, the experimental rats were injected from day 15 to 19, which, according to Dr. Ahluwalia, is comparable to the fourth to sixth months of human pregnancy.

The Howard research team, which also includ-

ed biochemists Dr. Hari Singh and S. Rajguru, found that the newborn males were much smaller than the ones born from the control group of rats that weren't given the drug. They also had lower male hormone levels, although the levels increased to normal as they grew older.

However, the study found during further investigation that the prostate glands of the male offspring born to marijuana-dosed mothers were damaged. An electron microscopic analysis revealed structural damage to the reproductive organ, says Dr. Ahluwalia.

The principal ingredient of marijuana, tetrahydrocannabinol (THC), causes the fetal brain to give the testes an improper signal, upsetting the progression of the development of male reproductive organs. Malfunctioning testes create a deficiency in the production of the male hormone testosterone.

Hormones determine characteristic behavioral patterns and the physiology of the sexes.

The marijuana produced a female pattern of hormones in the males born to mothers injected with the drug in the study, creating permanent infertility and feminine tendencies.

The findings also appear to suggest that the origin of male homosexuality could be physiological. Ahluwalia doesn't discount that possibility.

Preliminary studies on the effects of marijuana on newborn females, however, indicate that there is no damage to female reproductive organs, says the researcher.

Women who smoke marijuana not knowing they are pregnant may run an even higher risk of giving birth to infertile sons than this study indicates. The drug presents a greater risk



Warm Spirits
Protecting themselves from the cold while watching the recent Christmas Parade in Lexington, Kentucky, Cheryl Jones (left), Kenesha Jones, 4, (center) her daughter, and Clarissa Heron, Cheryl's niece, have warm spirits for the season.

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Health-Wise

STOMACH UPSET

By Allen R. Magie Ph.D., M.P.H.

Nausea, vomiting, diarrhea, and stomach cramps are the telltale symptoms. But what is it? "Stomach flu." "I ate too much." "The food didn't mix well." At least those are some of the guesses. Most likely, none of these is the real reason for the problem. That's because the cause of these symptoms is often misdiagnosed, even by physicians.

Most likely the real culprit is food-borne disease, which may affect up to one in every two people every year in the United States. Fortunately, most of these individuals experience only minor discomfort — diarrhea, slight cramping, or a queasy feeling in the stomach.

Dr. Ahluwalia notes that he cannot predict how much marijuana consumption during pregnancy causes infertility in male offspring.

While chemicals in food — added accidentally or intentionally — may cause illness, the most common agents of food-borne disease are microorganisms, usually bacteria. Once consumed, these organisms multiply in a person's digestive tract and cause illness either by invading the tissue or by producing poisons. The typical



symptoms result. Sometimes, such as with botulism or Staphylococcal toxins, the organism itself doesn't even have to be present to result in illness and death.

But man has an advantage over these organisms; they are all heat sensitive and can be controlled or eliminated by adequate cooking and refrigeration. But there are some limitations. For instance, some toxins are heat stable. No amount of reheating or boiling of a tainted food will destroy the poison once the organism which produces it is allowed to multiply. The organism itself may be dead, but its products are present. This often occurs when *Staphylococcus aureus* from an infected cut, boil, or cough droplet contaminates cooked

food. Food which properly cooked at room temperature a few hours can multiply to produce a heat-stable toxin. This is the most common of food-borne fatalities. Fortunately, it

At the opposite end of the toxin spectrum is botulism. The toxin which produces it is heat sensitive and is destroyed by boiling for a few minutes.

The easiest way to control food-borne toxins is to control temperature. Don't hold food at room temperatures (4°C.) and 140°F. for extended periods of time. "Keep it cold" is a slogan that can live with avoid stomach

*Produced by the Department of the General Services Administration.

Howard McAllister

Continued from Page 1
fectively with students and co-workers.

Classroom discipline is another problem McAllister sees, and he believes that teachers must clearly explain what they expect of their students and then enforce that.

And though his views are neither radical nor exactly status quo, McAllister knows whereof he speaks.

He has seen the Durham City Schools, its problems and its progress, from bottom to top. A Durham native, McAllister graduated from Fayetteville State University and taught one year at Henderson Institute in Vance County before returning home. He got a job at Whitted Junior High School in 1950, teaching science and math.

He was also dean of boys at Whitted and assistant principal before becoming principal in 1964. McAllister held the principal's post until 1975 when he moved to the city schools' administrative office as Director of Pupil Personnel Services. In this position, McAllister designed the system's first personnel department.

Over the years, McAllister's duties and titles have changed. In 1975, he was in charge of city school employees who dealt directly with students. In 1977, he was named director of personnel, taking full charge of city schools employees. Recently, he was appointed to his new post — Assistant Superintendent for Personnel.

In the new post, McAllister is not only chief personnel officer for the city's 1100 to 1200 school employees, but he is also second-in-command to school superintendent

Dr. Cleveland Hammonds. So both McAllister's long and his broad experience give him a unique view of the city school system. McAllister is a tower of strength according to teachers in the system. As a principal, he was consistently knowledgeable and supportive person who could work with people. He works very well with Dr. Hammonds," Mrs. Clement continues. "I think he is a good person to implement the ideas Dr. Hammonds has brought with him."

Looking back over his long career with the city schools, McAllister considers his 11 years as principal at Whitted as the highlight of his career.

He said the parents and the community were very supportive of Whitted attendance area. In addition, the teachers were very qualified and effective.

Whitted was closed several years ago, and the building now houses offices for Open House Breakthrough, a community agency.

When he's not in his office, McAllister likes to fish, hunt and go boating. His wife, Ruby, teaches at Morehead Elementary School. They have two sons, Howard, Jr. and Derek.

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