

BLACK BIO-CHEMIST RESEARCH PROVIDES HOPE FOR CANCER CONTROL

NOGALES, ARIZONA -- A leading black American cancer researcher has shown for the first time that a human substance can prevent human cancer cells from producing tumors in experimental animals. This work may have great value as a tool in cancer control.

Edgar E. Smith, Ph. D., described his work to 55 eminent scientists, including four Nobel prize winners, and 65 of the nation's leading medical writers at the American Cancer Society's 15th Science Writers' Seminar in Nogales, Arizona. Dr. Smith is Associate Professor of Biochemistry and Surgery at Boston University School of Medicine.

The compound is called cyclic AMP, because of its chemical structure. Its role as a regulator in a wide variety of reactions in the human body was first discovered in 1956 by Nobelist Dr. Earl W. Sutherland, who chaired the panel when Dr. Smith spoke.

Biochemist Smith described how human cancer cells injected into the cheek pouches of hamsters produced tumors. When another group of the animals were injected by human cancer cells treated with the compound "their ability to form solid tumors was lost." Cyclic AMP is a naturally occurring compound in human cells.

One problem that must be solved before his work can be used in cancer control, Dr. Smith said, "is to find out the specific mechanism in the action of cyclic AMP on the unrestrained growth characteristic of the cancer cells."

Also present and discussing the compound and another similar substance, cyclicGMP was Nelson D. Goldberg, Ph. D., Professor of Pharmacology at the University of Minnesota School of Medicine. Dr. Goldberg said he believed the two compounds worked together in what he called a "Yin Yang" principle.

This idea represents the turning on and off of cell growth. Just how they worked together is not known. It was inspired he said by the ancient Far Eastern concept that "all pro-



cesses in the human body were controlled by two influences which opposed each other."

The resolution of this bio-chemical problem Dr. Smith agreed was in line with his search for the elusive mechanics of the regulator compounds.

Dr. Smith said he believed his work represented the first time that cyclic AMP has been shown to have the power to suppress the ability of human cancer cells to cause tumors. "To my knowledge previous experiments with this compound's ability to suppress tumor growth was done with animal cancer cells."

READY FOR COLLEGE



These three Las Vegas High School students are preparing to attend college this fall. L-R Lonnie Carter will be attending Walla Walla in Washington, Juanita Tyler, Morgan State in Baltimore and Albert Kline at Langston in Oklahoma.

ELLIOTT 

MOTOR COMPANY

OPEN FOR BUSINESS AT 1525 FREMONT

PHONE 384-9830

All Make Cars 

Watch for Grand Opening
• **SPECIALS** •

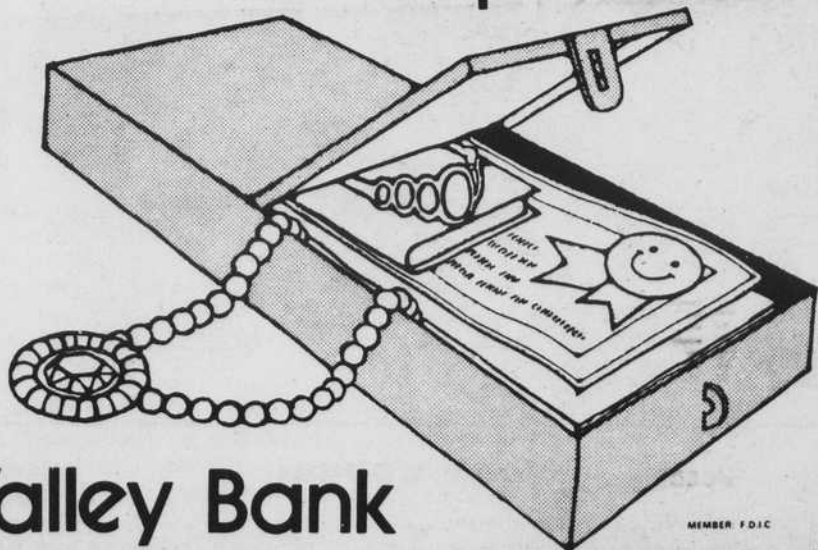
NOW IS THE TIME TO BUY OR LEASE YOUR NEW 

SEE STEVE GIBSON: FORMERLY OF THE RED CAPS NOW SALESMAN FOR 

CASHMAN CADILLAC

2711 E. Sahara - 385-1151

Come to Friendly Valley for keeps.




Valley Bank

MEMBER FDIC

MUHAMMAD'S TEMPLE

PRESENTS

A HOSPITAL FUND RALLY

JOE TEX 

— NOW —

YUSUF HAZZIEZ

— AT THE —

PAN-AFRO AUDITORIUM

940 West Owens Avenue, Las Vegas, Nev.

SUNDAY, APRIL 15, '73

2 P. M.

DONATION \$2.00

SISTERS: NO MINI SKIRTS OR SHORT PANTS PLEASE

CALL 648-9975 FOR MORE INFORMATION