

600 UNIVERSITY OAKS C.S.

STALLINGS DR. AT HWY. 30 &

UNIVERSITY OAKS

693-2772

TEXAS A&M

Page 4B/The Battalion/Thursday, April 19, 1984

Is hibernation possible for people 0

biologist dug through snow, brush and earth to poke a hole into the den of a hibernating

mother bear. He reached in and jabbed the sleeping bear with a tranquil-izer-filled syringe. As he waited for the drug to do its work, the muffled squeals of suddenly awakened cubs rose from the den

Moments later, the biologist plucked out four yapping baby bears. He crawled halfway into the darkened space and pulled out a shiny, 108-pound black bear, the claws of her limp paws-

CASA BLANCA

4110 COLLEGE MAIN

-BRYAN-

846-1413

United Press International LA GRANGE, Maine — So began a 90-minute in-Deep in a silent cedar forest, a trusion upon the winter sleep of a bear family to gather valuable

information aimed at unlocking the mystery of hibernation. Researchers believe a better understanding of the chemical changes that allow bears to sleep for five months without

cating, drinking or excreting waste can be applied to treating such human ailments as kidney disease, anorexia nervosa and gallstones. It may also help them send astronauts on long space journeys.

For nearly a decade now, state biologists have gathered information about Maine's estimated 10,000 black bears for routine game management.

About 50 of the animals have been outfitted with "radio collars" that send out a beeping signal, allowing wildlife experts to track them down.

At least once a year, the bear are captured and a long list of information is recorded about their age, size and physical con-dition. Blood and other tests are performed.

This year, the Inland Fisher-ies and Wildlife Department began forwarding that information to researchers interested in possible medical applications.

Scientists are most interested in female bears, which give birth and nurse their cubs while in hibernation. At the same time, the mother bears, or sows, never eat or drink. They feed off their fat and shed up to one-third of their weight during the five-month hiberation period. Most intriguing, however, is

that the bears generate waste while in hibernation but don't excrete it. Nor does the buildup of waste poison their systems, as it would in human beings.

The human kidney filters poisonous waste out of the bloodstream. For those suffering from kidney ailments, the buildup of unfiltered waste material can be fatal. The best treatment developed so far is hemodialysis, a mechanical process for removing impurities from the blood.

Bears are much different. While in hibernation, they me-

tabolize their fat and urine trickles into the bladder. But the bladder never gets full. Instead, the protein-rich fluid is somehow recycled into the animal's system.

"I think this has a direct application for people with kidney problems, who can't control the buildup of poisonous waste," said Dr. Ralph A. Nelson of the University of Illinois College of Medicine in Urbana, Ill.

Nelson has been analyzing information gathered from wild-life officials in Maine, Minnesota, Pennsylvania and Colorado. His study indicates sex hormones are a key factor in the process that allows bears to reabsorb waste material into their systems.

Nelson said it may one day be tronauts shuttling to possible to change the sex hormone level of kidney patients -either artificially or through a change in diet — to induce the body to reabsorb waste. This would alleviate the need for frequent and costly hemodialysis. Such a breakthrough also.

wrote in a paper pub might be helpful in treating Modern Medical Physiolo

Vidal Sassoon 'official hair care consultant' for Olympic

United Press International

NEW YORK - Christopher Brooker likes to paraphrase a quote from a psychiatrist that when you feel good about yourself you perform better.

He believes the quote originally came from Sigmund Freud. Whatever the origin, Brooker and a squad of hairdressers-beauticians plans to see that the estimated 15,000 international athletes who will com-

pete in Los Angeles July 14 to Aug. 15 look their best. The Olympic Organizing Committee has designated Vi-dal Sassoon Inc. as "official hair care consultant." Brooker, part-ner in the salons and schools and the creative director, said Sassoon will open two salons right in the Olympic Villages. The regular Beverly Hills salon also will be available.

All this is complimentary, said Brooker, as will be pack-

'It's very important for a judo competitor, for instance, not to have a lot of hair his opponent could grab. But a girl gymnast could wear her hair in a ponytail during competition; she has to keep the hair out of her eyes. But when not competing she can have a long, pretty look.'

ages of Sassoon products when the competitors arrive at the villages. Different sports call for different hairstylings, he said in an interview.

"It's very important for a judo competitor, for instance, not to have a lot of hair his opponent could grab," he said. 'But a girl gymnast could wear her hair in a ponytail during competition; she has to keep the hair out of her eyes. But when not competing she can have a

long, pretty look. them in to **DOUGLAS IEWELRY** Culpepper Plaza 693-0677 and save 50% on most of

The British-born Brooker and his aides have made a number of studies of hair behavior during competition. They were observers at the National Sports Festival last summer in Colorado Springs and, most re-cently, at the McDonald's *American Cup* for gymnasts in New York.

"You can't generalize on styl-ing," Brooker said. "It's a very personal design for them and the events. It's the way I wouldn't advise the same hair-

For swimming, diving, se thowed s and rowing the motion se thy chan and flat, the stylist said of Kirklar vicurs 1 viner chi works with a "C" shape at the nape of the neck and a pediatrici that also clears cheekbones ore tha eyes. He also does ponytais their P

Aerobics, tennis, the trany uon. line, soccer and handball me trand h a lot of movement of the of Health ored by

treatin

lon, a

ans are Nafare



Now Serving Chicken St



gered pla

Unite

cut for a banker as I would rock singer." There are different nee

anorexia nervosa, a

order that causes people

eating. In some case

ease results in kidne

triggering a potentia buildup of waste.

requested information

search into treatmen

Jr., biologist and b

partment.

stones, said George J

ject director for the Wild

Matula said hiber

bears have an extreme cholesterol level, a con

that in humans often

gallstones. But hibernati

don't get gallstones, he said

As for space, Nelson sa science can figure out an induce hibernation in ma

ends of the galaxy cou

sleep for a good partofb "If the Russians can bears so that they a hockey, NASA or other

zations can teach them

igate a spacecraft,"

Harvard University

By KA

What

ess for H

of Jordan Jordan

rested

ceived

"I had

a lot of I

was give weird on

that's wh fordan sa

Jorda

started as "It wa

time thin here and

en it

ants bu

different sports. In gymr for instance, there's al head turning from side and the hair must not fall the eyes.

Brooker cuts the hair in HOUS "C" shape around the tem wing : with a graduated back if h short, and a layered lookit is long

A whole group of comp where a d tions calls for another to hasal spra ersed the ment. Brooker said long "Rattens" around the both change Dr. Jol which gives a heavy, missha ic endo look to the back, in sports at

iate pro as running, cycling, ro skating, soccer and handbal lege of He softens the front by little girls der-cutting (shorter under ers), taking away the solid a berty have at the back with gradua

length. He also does some lowed : young he calls "racing lanes" in whit asts be the hair is free but looks # you had just run your fine began me through your locks.