The plant is kenst whose physiperties fit it for nearly aff that the biggest obstacles to kenset

#### Hunoff, Rainfaff Deficient For March, TVA Tells

rage for March of 5.37 inches. at control of 5.37 inches at the equivalent in irrigation or the equivalent in irrigation of the equivalent in irrigation of the equivalent in irrigation of the world is indicated in the more frage of 5.76 inches. For the first ree months of the year it measured to know the life is known likely the property of the pro

At Kentucky Dam runoff meass For the period January-March munoff there was 6.65 inches, com-

duction technology. The den tration will be held June 9-11 at Muscle Shoals laboratories near

As in the demonstration of two gears ago, which was attended by fertilizer industry from 34 states, Hawaii (then a territory), Puerto Rico, and 4 foreign countries, the program will consist of a series of Kenaf can be used either as ilot-plant runs preceded by short coarse ribbon or a reffiled affecting loss of nitrogen during for cotton, wool and toba

plant, capable of high yields and

Nearly two electrics after in first investor in scientific Recount in 1780, Kenal may at that be in position to rival its distant cousing among the world's m

Valley, TVA reported recently.

Hunoff—the amount of water that the streams and reservoirs has been unusually low for the light three months of the year.

Rainfall over the Valley averaged the inches, compared with a 55-year month during the growing season, we have for March of 5.57 inches.

thes below the long range average of 10.12 inches.

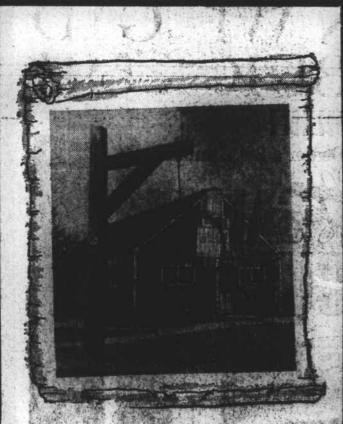
A soft fiber derived from the stallie of the Hibbseus Cannabinus

At Kentucky Dam runoff measured 2.21 inches, considerably under and Africaus for several hundred the month's average of 3.81 inches. years, but its commercial import For the period January-March intoff there was 6.65 inches, compared with the long range average it 10.27 inches.

TVA will hold another of its pilot-liant demonstrations this year to equaint the fertilizer inthistry with second developments in fertilizer and Palitary and Palita and Pakistan, and outbreak of the Korean War, led the United States to classify kenaf as a strategic material. This added impetus to its

Some idea of kenaf's potential yout 400 representatives of the market can be found in the fact that the United States imports \$100,000,000 worth of jute and jute

discussion periods. Subjects to be The ribbons are stronger and cheap-discussed and illustrated include the er than jute, but rougher in textion of liquid fertilizers, the ture and appearance. It is expected granulation of high-nitrogen and no- that kenal's major use will be in sitrogen grades, and some factors the manufacture of bale covering granulation. O general resume of begs for agricultural products. Oth ement program also will be pre-backing for carpets and lineleum sented. Tours of the laboratories reinforcement and binder materia and manufacturing facilities will be for plastics, and therme and acoust-arranged.



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SERVING SOUTHWESTERN NORTH CAROLINA

Love and respect thy God. Love and respect thy father and mother.

Love and respect thy teacher tude toward teachers usually learn more states John T. Howell, prinipal of the Appalachian State

Purther, the feacher does a better job of histraction, the principal con tends When there are no barrier, transmission of knowledge flows

for can't do better by the youth regard and respect for the teaching sion. advises Howell, who's been a principal for twenty-one

Students harboring feelings of disrespect for school superiors are as handicapped in the learning process as one verging on blindness. Teach ers try hard to reach these pupils but too often the youngsters' shields of antagonism prevent their seeing those trying to help them.

Principal Howell contends that fathers and mothers best instill pro- producing steel. per attitudes within offspring by setting example themselves. Parents should hold the teaching profession high in esteem and show it.

And on occasion should a pare think a teacher has erred, the matter should be discussed directly with hint, not the child. In fact, the child should never know the teacher's action was even questioned.

Good teachers, like everyone else need praise and recognition. Howell believes. The majority are underpaid and too often their contacts with parents are limited to those complaining about Junior's low grades or poor conduct.

The father or mother who drops by the class to render an unexpected "pat-on-the-back" for the teacher's fine job of penetrating algebra through Johnny's skull does nearly as much for the educator as a pay

. Underneath the teacher's thick crust of academic skin are feelings as tender as the incoming first-grader's. Respect and consideration for them are required for him to do his

Although many schools have rules prohibiting pupils' giving presents! to teachers. Principal Howell see little harm in parents encouraging youngsters to show their gratitude by bringing teacher an apple or bouquet of flowers if it's done out of love and not for favor.

But the finest present that can b given the classroom educator, says Howell, is a kind word here and

(Editor's not: Readers having wifed to write SCHOOL AND YOUR CHILD, Appalachian State chers College, Boone, N. C.



## Machinists &

ridded in all types wel

## Laughing Gas, Moth Balls **Among Many Coal Product**

a verttable treasure chest yielding seemingly endless variety of products.

The Germans even made ersatz bufter from coal during World War 11, and a scientist predicted recently that synthetic food will besome a major by-product of coal.

Other products derived in whole or part from coal include aspirin, ograph records, laughing gas, the flavoring in most vanilla ice cream, perfume, embalming fluid. laxatives, synthetic vitamins, dyes TNT, moth balls, indelible pencils, clay pigeons, paint, synthetic rubb-

er, saccharin, and fingernail polish. This is just a sampling. There are believed to be more than 200,000 chemical by-products of bituminous coal, the National Geographic Society says.

Relatively few, however, are marketed commercially.

The multitude of substances are part of the rich vield from coking ovens, which release the "buried sunshine" in coal. When coal is heated to high temperatures in the absence of air, the solid residue is carbon-rich coke, essential in

The gases produced in the cok-In recent years special plants have than half of all electric power in simply the by-product.

You can bank on

the coking process is coal tar. A young English chemist, W. H. Perkin, made a synthetic mauve dy from coal tar in 1856, giving Eng opening the way for a vast syn thetic chemical industry

Coal tar, a sticky, foul-smelling substance, can be treated to pro duce many products, including the delicate perfume scents of new mown hay and orange blossoms Almost 25 tons of violets once were required to make a single ounce of natural oil-a process now dupl cated easily in the laboratory.

Coal tar also is used to make DDT, sulfa drugs, photographic developers, weed killers, refriger ants, road paving, detergents, car bon electrodes, and antiseptics.

Other gases drawn off and treat ed after coking produce an array of substances, including plastics like nylon and the flexible resi polyethylene. When drained o much of their chemical wealth, the gases can be burned as fuel.

Although chemicals are import ant, coal is mainly used for fuel ing process are equally important. in the United Stotes. Slightly more been built to distill and process the United States is generated from chemicals from the gases. Coke is that source. The steel industry is the next largest consumer.

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Analysis

2-12-12

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14-0-14

**Mitchell Stephens** 

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\$40.00 Ton

\$80.00 Ton

\$60.00 Ton

\$38.00 Ton

Lespedezas . . . Kobe, Korean and Sericea.

Clovers of all kinds . . . Also grass seeds.

#### 15 Organizations Get Licenses **During March**

During the month of March licenses were granted by the State Board of Public Welfare to 15 organizations to conduct fun-raising campaigns through public solicitations for the support of their programs, it was announced by Dr. Ellen Winston, Commissioner.

Licenses were granted to twelve organizations which have held licenses for previous solicitation periods. These organizations are: Alumni Association, School of Social Work, University of North Carolina; American War Mothers, North Carolina State Chapter; Chowan College: Duke University: Florence Crittenton Home: Grace Hartley Memorial Hospital: Huckleberry Mountain Workshop-Camp; National Multiple Sclerosis Society; North Carolina Child Evangelism Fellowship: Second Sight-Guide Dog Foundation for the Blind; Wake Fortian Association of the Carolinas: Interstate Association.

Children's Village, Muscular Dystrophy Association of the Carolinas, and Shaw University are three or-Carelina.

The amount which the fifteen orlie in North Carolina during the

land into a prosperous agricultural by the Reds. community for hundreds of thou-

PART OF HOMES FOR REFUGEES

U. S. Aid Working To Resettle Red Refugees

the Japanese in World War 11, the houses along their banks. sands of refusees from Communistheld North Viet Nam. land was overgrown with tall, wild The resettlement project is taking place in the delta country of would prove impossible to clear and medical dispensaries also have South Viet Nam known as Caison. away. The area's canals had become been erected. And the fishing and Here, in two sections totaling about clogged with sediment and debris. 400 square miles, more than 460,000 settlers are hard at work expanding

Uncle Sam's International Coopera- products for export. the area's two principal businessestion Administration rushed machines fishing and rice farming. What's so remarkable about the and technicians to Caison.

program to government officials is Ninety tractors worked as long as Uncle Sam provided from 1954-56. that just three years ago this now- 16 hours a day uprooting the tough for Viet Nam redevelopment

now are turning a former waste- of refugees driven from their homes, able for rice farming. Workers, including the retogees, started clear-Unoccupied stace Its owners fled ing the canals and constructing

> Now the once-desolate area is dot grass which many people believed ted with homes and stores. Schools rice farming enterprises have prov-As part of its world-wide program | ed so successful that Caison's resito aid underdeveloped countries, dents are starting to supply these

> > Funds for the project have come out of the 97 million dollars which

### **New Operating Technique Promised Aid** For Persons Suffering Blatter Trouble

create an artificial urinary bladder by the Veterans Administration.

nolds of the Dallas, Tex., VA hospi-

trol of urination.

The procedure has been performed by Dr. Revnolds twice.

veteran, volunteered for the operation at the Dallas VA Hospital 18 months ago, after suffering more than 10 years with a bladder est College; and Young Men's Chris- diseased by a pre-gancerous lesion.

has been good, Dr. Reynolds said. The second operation, also at the Dallas VA hospital, was performed ganizations which were licensed for on a veteran last December. Dr. the first time to solicit in North Reynolds said all indications are ganizations will seek from the pub- sed to permit a definite conclusion. you plan.

The new technique involves reyear will be approximately \$16,- moving the bladder completely. Then a segment of the small in- less costly than the disease.

within the body has been reported ed to blood supply within the body. Devised by Dr. Charles L. Rev-

tal the operation uses a segment of small intestine as a bladder for patients with cancer or other disease necessitating bladder remov-This new bladder made of small

side through the normal channel in the normal manner, with full con-

The first patient, a 38-year-old

The surgery was successful and the man's postoperative condition

that it also will prove successful although not enough time has elap- ter what kind of poultry operation

is cut out and left loosely attach-The bowel is rejoined.

Then the segment is swung down in the abdomen and attached to the urethra at about a mid-way point in an approximate T-shape and one end of the segment is closed. The ureters, or tubes from the kidney, are then attached to intestine, conveys urine to the out- the segment. The open end of the segment is attached to the skin to drain outside the body. This is the first stage of the operation.

> About five to six weeks later, the open end of the segment is tied off and the artificial bladder is then enclosed in the body.

### FARM QUESTIONS

Keep farm machinery in top operating condition with a good preventative maintenance program.

to success in livestock farming.

Select top quality chicks no mat-

On the farm disease prevention is

# steadiest stance!



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