however. The standards are de-

signed so "the program or model

can be understood both by the

casual as well as the sophisti-

Basically, Billingsley and Wil-

son have come up with a laymen's

guide to the computer program,

or if you happen to be a computer

scientist, a programmer's guide

ALLEN

TCU's baseball twins, Dana and Pat Carden, are identical in more ways than one. The El Paso Aus-

courses for identical 3.675 g.p.r.

tin products, both starters as freshmen this spring, both passed 181/2 hours of class work this past semester. What's so strange about that? Nothing except that they 2400 Texas Ave. had identical grades in identical

BUSIEK - JONES AGENC REAL ESTATE • INSURANCE on how to document for the lay-F.H.A.—Veterans and Conventional Loans FARM & HOME SAVINGS ASSOCIATION

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Ag experimenters compile computer aid

sounds of the computer to the computer scientists, men who somehow enjoy the challenge of the magnificent machines.

But the academic world is no longer isolated in departmental structures. Computer science, like many other functional disciplines, has become an integral part of most departmental research and teaching programs. The problem is, of course, the computer clicks out cards in one language while the researcher thinks in another.

"The trouble with computer program documentation is it has been pretty much Greek," said Stanley Wilson, research associate in the Texas Agricultural Experiment Station. Computer program documentation is the structure the communication assumes when talking about computer programs.

In an attempt to make some sense out of the computer muddle, Dr. Ray Billingsley, also with the

St. Augustinegrass or Bermuda-

grass lawns which are turning

yellow instead of growing thick

and green should look for nitrogen and iron deficiences in their

The nitrogen deficiency causes

a general yellowing of the lawn

while the symptoms of iron de-

ficiences are yellow, bleached

spots in the turf, accoring to Al

Novosad, Extension pasture and

cedar, suggests Jan Slabaugh, Exension housing and home furnish-

The extra cost of red cedar is

well worth the price, Miss Slabaugh adds. The aroma of cedar

penetrates items stored in the

closet and protects them from

Moths, their larvae and red

cedar do not get along, so a

cedar-lined closet is entirely free

The mild odor of cedar is not

pungent or excessive, but is sim-

fades after exposure to air. For

quarantine order that reimposes

in Texas, first placed in effect

The new order became effective

moths and moisture.

ings specialist at Texas A&M.

turf specialist.

Most people would be happy to Experiment Station and in the leave the whirring and punching Department of Agricultural Economics and Rural Sociology, initiated a new publication called "Program and Model Documentation." These publications provide the details for others to use computer programs and for those who desire to modify or revise programs, frequently a more difficult

> "A number of linear programming models have been written over the last several years which have not been documented," said Billingsley and Wilson, who coauthored the introduction to the first publication in the series, 'Program and Model Documenta-Standards.' "Substantial time, both professional and computer, has been expended to debug these programs and models, but after they were used for a particular project, it was not possible for another person to use them again without virtually starting over," they said.

Because of this obvious waste

Yellow lawn cures given

upper Gulf Coast and parts of

East Texas are usually the only

regions in the state that don't

For the most rapid and effec-

tive correction of iron deficiencies, Novosad recommends spray appli-

cations of iron chelates or iron

sulfate. He points out that soil

applications are also helpful, but

warns that they may not correct

Fertilizer containing nitrogen,

closet, the door must be kept

The fragrance of red cedar in a

closet also eliminates musty odors

since the wood is highly resistant

To maximize concentration of

the cedar fragrance, cover not

only walls with red cedar, but in-

side doors, ceiling and floors as

well. The tongue-and-grooved

boards fit together easily and the

When lining with cedar, don't

paint or varnish the surface

Restrictions on swine movement extended

The Texas Animal Health Com- livestock and meats specialist. ment will be allowed except for

n recently announced a All previous restrictions on slaughter during the quaran swine movements contained in the

same, with the exception of one

The new restriction order will

cost of improvement is small.

seals off the cedar's aroma.

severe iron deficiencies.

Texas homeowners who have op mainly in alkaline soil and the

He said iron deficiencies devel- phosphorus, and potassium should

To rid your closets entirely of the odor to penetrate and effec-

pests, line closet walls with red tively exterminate pests in the

ply a natural wood fragrance that board. Painting and varnishing

restrictions on swine movements previous order will remain the

May 28, and will remain in effect require holding all purchased

until further notice, according to swine for 30 days at the premise

Woodrow W. Bailey, Extension of the purchaser, and no move-

March 29, to control hog cholera. additional restriction.

to moisture.

Red cedar paneling helps

keep moths out of closets

of time and effort, Billingsley and gritty of it," smiled Wilson. The not meant only for the beginner, Wilson have established standards of uniformity, inspired by the NUPLEX documentation standards written by R. B. Wadsworth and D. W. Rusk of the Industrial Engineering Department. Specifically, Billingsley and Wilson tell the programmer how he needs to phrase the documentation, and the beginner will be able to learn his role in relation to the programmer.

"We get down to the nitty-

beginner will be able to understand how he can work with a programmer and he will understand what the relationship means in terms of authorship. The programmer will be able to use the format Billingsley and Wilson establish and explain in order to communicate in a language the researcher or student will under-

Standards of documentation the A&M team has worked out are

Young Bermuda grass causing cattle deaths

Numerous reports of deaths of cattle from emphysema of he lungs have been received at the Texas Veterinary Medical Diagnostic Laboratory from over the state during the last two weeks.

This condition is also known as pulmonary adenomatosis, interstitial pneumonia, atypical pneumonia, panters or, in Britain, as

be applied in the early spring and

again in the early fall to eliminate

nitrogen deficiencies, he advises.

In addition to this he recommends

applications of nitrogen as am-

monium nitrate or ammonium sulfate at 4-6 weeks intervals dur-

The additional applications help

A soil test is extremenly help-

to maintain vigor, color, and uni-

form growth of the grass, accord-

ful in determining exact fertilizer

needs, showing the need for lime, and indicating soil salinity prob-

lems, but there are some general

guidelines to follow in fertlizing

St. Augustinegrass or Bermuda-

Novosad advises that the applications of the complete fertilizers

in early spring and fall should

be made so that two pounds of

nitrogen are applied per 1,000

square feet of lawn area. Ex-

amples of such applications would be 20 pounds of 10-5-5 or 17

pounds of 12-12-12 per 1,000

The additional applications dur-

ing the growing season should be

made so that approximately one

pound of nitrogen is applied per

1,000 square feet in each applica-

tion, he added. Examples of prop-

er application would be five

pounds of ammonium sulfate

(21%) or three pounds of ammon-

ium nitrate (33%) per 1,000

If swine are apparently healthy,

this premise quarantine will auto-

matically expire after the 30th

day without an inspection, accord-

He added that it is strongly

felt that extending the quaran-

tine control will bring Texas clos-

er to the complete eradication of

the hog cholera virus by the

December 1972 target date. Al-

though 22 cases of hog cholera

have been confirmed since March

29, none of these cases have been

connected with swine movements

Five counties - Denton, Free-

stone, Wise, Parker, and Palo Pin-

to - have been completely re-

leased from federal quarantine,

according to Bailey. He added

that Potter County has been

placed under federal quarantine.

Originally, all or portions of 33

Texas counties were under federal

ing the growing season.

ing to Novosad.

square feet.

Bailey says.

ing to Bailey.

after that date.

quarantine.

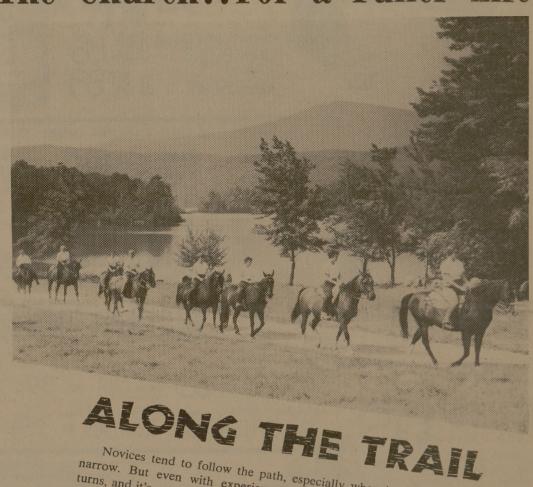
fog fever, says Dr. W. L. Sippel,

The disease is very similar to the condition in humans, caused primarily by smoking, however, the disease in cattle has nothing to do with smoking or air pollu-

Rather, he notes, it is thought to be caused by an allergic reaction to something the animals are eating. The lungs are the target organ for allergic manifestations in cattle. While the causative agent varies, most of the current cases are associated with the high protein constituents of young Bermuda grass pastures.

If cases appear, Dr. Sippel suggests that the cattle be removed from he pasture immediately, without undue stress, fed hay and/or grain, and watched closely for a few days. Any animals that breathe unusually fast or with difficulty should be eased to a place where they can be treated. Veterinarians are using antihistamines, atropine and other drugs, if affected cattle are

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UNITARIAN FELLOWSHIP 305 Old Highway 6, South 10:00 A.M.—Sunday Service 7:00 P.M.—Adult Service 305 Old College Road South

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