IDIOT Standard Teletypesetter machine showing 'Idiot tape' with perforated code being run off.

CONTROL — Teletype Supervisor, Mrs. Margaret Brown, pointing out finer points of computer control panel.

'THE SQUEALER'

Miss Elinor Parker feeds 'Idiot Tape' into READER.

The AFRO teletype department has a new helper.

It stands about six feet high, is 3 feet wide, has the capacity of 12,000 lines per hour, and reads faster than any human being ever could. It's a Data Processing Computer.

Dubbed 'The Squealer' by the members of the Teletype Department because it refuses wrong codes, the $30,000 machine adds ultra-efficiency to the department's other talents.

Speed

Mrs. Margaret Brown, Teletype Supervisor, claims the 'Speed is the machines biggest advantage. With it we can work faster!'

A ten-year veteran, Mrs. Brown believes that adding speed to the efficiency of her staff is just icing on the cake.

Her crew (4 women and 4 men, which includes 3 part-timers) has the job of preparing all AFRO body copy for the typesetters.

Before the computer was installed last February, the process went something like this:

Justified

Teletype received copy from the Editorial Department. The typist copied the material precisely as she (or he) saw it.

Each line was justified to fit the column width. Meaning spaces were stretched or shortened according to the length of the words.

On lines where words were too long and required hyphenation extra time was consumed.

Idiot

'The Squealer' changes all of this. Edited copy is copied with complete disregard to character count, making an Idiot Tape.

The Idiot Tape is then put into the computers READER. Here the teletype code is read and another tape is made.

This one having each line justified and all hyphenated words broken at the syllables.

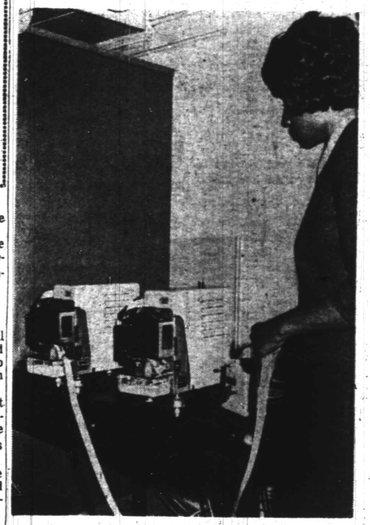
Code Tape

Regular teletype employees operate standard Teletypesetter machines. They run a perforated code tape which can be deciphered by both, the computer and the linotype machines, which sets the hot-lead type.

Squealer

With a keyboard much the same as the typewriter the typesetter punches a 6-perforation code. Each letter of the alphabet has a certain number of holes which run vertically on the tape.

The tape tells the computer which size type is to be used as well as which of the operators ran the tape.



Mrs. Eldora Singleton removes finished tape from perforator transformer.

PDP-8 COMPUTER

"The Squealer' is a PDP-8 communter. It makes all justification and hyphenation decisions automatically at electronic speeds. At 1½ micro-second cycle time, the Digital PDP-8 is one of the fastest computers in the world. Its 4,096 words of magnetic core memory is programmed to contain all the rules needed for justification and regular hyphenation.

ALMOST HUMAN

The PDP-8 hyphenation program first looks the word up in 250 word dictionary and hyphenates according to the dictionary if the word if found therein. If the word is not found, the vowel-consonant sequences of the word are analyzed and hyphens are located according to the results of the analysis. Once hyphenated, the word is given back to the justification program, and the hyphen that gives the tightest set is selected.

WEEK OF MAY 20, 1967 THE AFRO-AMERICAN MAGAZINE SECTION

THEY MAKE THEIR OWN

MODEL-DESIGNERS

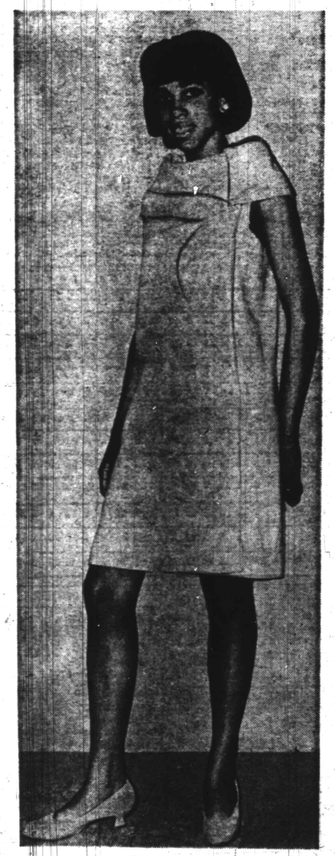
The Maryland Institute of Art is producing, on a small but efficient scale, a number of high fashion designers, and models. During the past year they have put on two fashion shows that are worthy of distinction.

Two student designers, Miss Yvette Barnes and Miss Bronwyn Jones, gave showings of their best designs. Maryland Institute models Arangie Jones, Jo Ann Henry, Margaret Smith and Carole Norris wore the frocks with all the grace and flair of 5th Avenue's best.

The Institute trains students for high fashion designing. The course runs the regular four years and includes one semester of free-style fashion illustration.

One of the most outstanding student-designers is also one of the prettiest models, Miss Yvette Barnes.

With her eye on the more strenuous training of a New York fashion house, Miss Barnes will migrate to The City of Bright Lights in the Fall to seek her fortune. AL RUTLEDGE



THE GREY DRESS (above left) designed by Miss Bronwyn Jones — This flowing sleeveless cowl-collared dress would suit milady's taste for evening or casual wear. The lovely model is Miss arole Norris, Maryland Institute of Art student.

COCKTAIL ENSEMBLE — Black silk brocade coat with fuchia thread running through it was fuchsia lining — Dress, black chiffon over fuchsia. Modeled and Designed by Miss Yvette Barnes.

FOUR-PIECE BATHING SUIT — Including a mid-thigh length beach coat, two-piece bikini suit and button-on mini skirt in blue and white corduroy. The model is pretty Linda Flamer. The suit designed by Miss Yvette Barnes.

THE AFRO-AMERICAN

BALTIMORE AFRO-AMERICAN

WASHINGTON AFRO-AMERICAN

NEW JERSEY AFRO-AMERICAN

RICHMOND AFRO-AMERICAN

COMING

PETSY GREEN P.H.D.

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