

Electronic 'Brains' Make Real Brains Obsolete

Better And Better

Computers Can Rule The World

how horses felt when the car computers. Within the next dewas invented. Men can still cade computers will affect our do everything a data - pro- lives more than any other techcessing machine can do; but nological development. They it takes a thousand of them affect us all because of their tronic "brain" can do in a ning, their ability to compress

appeared in scarcely more than ual solution.

THEY'RE WANTED MEN

@ 1967 HUNTLEY, LTD.

Soft-spoken. Well-mannered. But extremely danger-

ous. Usually seen in the company of beautiful women.

Prefer conservative dress, fine imported colognes.

Specifically, Raffia, from which they take their name.

Raffia Cologne

and After-Shave,

Lime or Bay Rum.

With the advent of the a decade for the design, de- Information - processing sys- lines reservations clerks in been cut from as much as two are beginning to understand tenance and use of electronic working an entire lifetime to influence on economic planday, Machines are a thousand computation and decision times faster than they were making into fractions of a sethree years ago, and a million cond, their facility in directtimes faster than ten years ing and controlling other machines, their speed in solving whole new industry has problems too lengthy for man-

ies, simulating business enterprises, designing industrial plants, reducing and analyzing laboratory data and in simulating thousands of research problems. They are controlling complex chemical and manufacturing processes, calculating insurance premiums, controlling inventories and scheduling manufacturing and construction activities. What benefits has the computer brought about? By help-

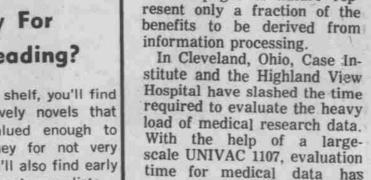
ing business make the most efficient, fullest use of available resources, computers and information processing systems are in effect enabling businessmen to eliminate waste, increase productivity, lower expenses and thereby. offer customers a wider variety of products and services at the lowest possible price. WIDE SERVICES

Outstanding example of the wider services as a result of the computer has been the use of real - time computer systems in air transportation. Computers such as the UNI-VAC 490 Real - Time Series have enabled airlines to book and maintain control of millions of reservations and, in addition, even reserve a steak for a passenger's meal aloft. Through computers, air-

How Much Will You Pay For Good Reading?

On our 19c shelf, you'll find dozens of lively novels that

of books. Remember, when you buy frugally, you can afford to read lavishly!



somebody valued enough to pay fat money for not very long ago. You'll also find early works of great novelists -Sinclair Lewis, Mitchner, Hemingway - all at 19c each. Discover this treasure-house

BOOKSHOP

THE INTIMATE IS SMASHING! 119 East Franklin Street Open Till 10 P.M. IS BRISK, BRASH, BAWDY! IS IRRESISTIBLE! "THERE IS A ZING IN THE LANGUAGE AND A ZIP IN THE PACE . . . YOU MAY HATE YOURSELF IN THE morning, but I think you are going to enjoy 'Alfie' very dinner that you and your friends much! Michael Caine's 'Alfie' is somebody you are going to carry around with you in your

ng" machine, people velopment, manufacture, main- tems are controlling inventor- many different cities are able weeks to one day. Computers have become a vital tool in that many problems in medicine and biology have been beyond the reach of most laboratories because there was no way to process the vast amounts of data fast enough to make them useful in experiments. By using a satellite UNIVAC 1004 computer connected by telephone lines to the 1107 at Case Institute, medical researchers in the smallest laboratories have access to the largest computer by means of ordinary telephone

to simultaneously check into

seat availability for hundreds

of flights and to book them

as far as a year in advance.

tions, clerks obtain responses

to inquiries in seconds. Large-

scale systems used by major

airlines today are capable of

storing complete information

on individual passengers in-

cluding his name, address,

telephone number, his perfer-

ence of meals, and even book

a rented car at his destina-

in operation on several air-

lines. In the planning stages

are still greater management

information systems such as

the \$56 million system order-

ed by United Air Lines. Con-

sisting of three giant UNIVAC

1108 computers, the United In-

formation system is being de-

signed to handle complete sys-

tem - wide information on its

passenger and fleet operations

through 1975. In addition to

processing some 17 major cat-

egories of information for the

line, the UNIVAC system will

use television - like cathode

ray tube sets on a nationwide

As a public servant, the

computer's potential value is

limited only by man's imagi-

nation. Applications in medi-

cine, law enforcement, science

and even as a tool to control

the rampages of nature rep-

HELD OVER!

basis to display data.

These systems are already

Through data communica-

LAW ENFORCEMENT In law enforcement, New York State Police have embraced a formidable new partner, a streamlined communications network centered around a UNIVCA 418 message switching computer. The computer cuts the delivery time of interstation messages from an average of 40 minutes to five minutes or less. The computerized network established a direct line of teletype communications between 78 state police stations and 68 municipal police and sheriff offices ties into the network. Moreover, the computer stores registration numbers stolen cars and license plates and will be able to tell a state

Should a trooper encounter a suspicious auto he simply radios in the registration number which is then fed into the computer. If the car isn't on the wanted list the computer responds negatively. But, if the car is wanted a bell sounds and a message is flashed to the inquiring officer. Total scale UNIVAC 1107, evaluation elapsed time for this entire operation is less than 60 sec-

trooper within five seconds

whether or not a car is want-

Computers have created a technology which is contributing billions to the nation's ecocomic growth. In just two short decades, computing systems have become indispensable to our modern society. In so many ways computers are working for the ultimate benefit of the average citizen for a better world.

WHAT ARE

YOU PUTTING

ARE YOU

DOING?

PEANUTS

lic knowledge as well." IS THAT THE NEEDLE? IS THAT IT? ARE YOU DOING IT NOW?WHAT HAPPENED TO SUGAR CUBES?

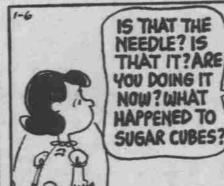
-MY CAT AN' DOG

YOU TWO!

GET ON BETTER

TOGETHER THAN

O 1967, The Hall Syndicate, Inc. and Daily Mirror, London TM @









a in. yer ar-y," or-He his-nce na; per ast



Library Changes System, Can Serve Students Better

By RICHARD BENTON

Special To The DTH The passage of the Higher Education Act of 1965 has enabled UNC's Wilson Library to become a better organized, more efficient aid to students and professors.

Under the provisions of this act, Wilson along with other major research libraries

Rate Of VD Among Teens Is Alarming

Americans are contracting venereal disease at an extimated rate of 1,700,000 new cases a year, according to a report in the January Reader's Digest. Particularly alarming is the high incidence of VD among young people: 1500 new cases every day, the American Medical Association reports, more than half of them among teen-agers.

The public's ignorance of VD's causes, symptoms and behavior is appalling. Experts say that as many as half of the nation's cases are now going untreated because so many Americans are unaware of the

Early symptoms of syphilis soon disappear and many victims are tempted to ignore them, the article notes. But if left untreated, the infection can break out again with tragic fury years later, attacking the heart, the eyes, the brain or the nervous system. It can also cause death.

'So little recognized is syphilis that two thirds of all cases are in the dormant phase or have progressed to the late attack before they are found," say authors Patricia and Ron

To combat this ignorance, school authorities, public health officials and parents are teaming up to provide VDeducation courses in schools. Los Angeles County, for example, instituted a six - hour high - school course on VD in

Results are encouraging. Teen-age syphilis had dropped by 58 percent in Los Angeles County since the course began, while the national rate has shown an overall increase. Moreover, health officials found that two nearby cities that refused the course showed alarmingly high jumps in VD: Pasadena's VD rate went up 500 percent from 1964 to 1965; Long Beach leaped over 700

In Houston, Texas, the entire community was involved in a VD-education campaign. The local Jaycees made some 800 talks to business and civic groups about VD. Business firms helped place VD billboards in the city. Church groups performed a play about VD at clubs, churches and assemblies. Public Health Service films on the subject were run on local TV. Newspapers carried feature stories describing the threat. the PTA disseminated information about VD education

courses back home to parents. School dropouts were reached too, via free record hops at local parks, with disc jockeys discussing VD between records. Several chains of infection were uncovered as youngsters appeared at the health department after every dance,

the article reports. The U.S. Public Health Service offers films and a new self-teaching text to classes wishing them. Says Dr. William Brown, chief of the USPHS Venereal Disease branch: "Once many thought that penicillin alone could stop VD. Today we know that it will take a liberal dose of pub-

with the Library of Congress title page. in a program to acquire and catalog all library materials currently published throughout the world which are of interest to scholars.

This means that Wilson Library will no longer have to type out six different catalog cards for each of the approximately 70,000 new books that are ordered each year, and it means that the ordered books will be put on the shelf to be circulated as soon as they arrive at the library-a timesaving advantage to students as well to the library staff. How can this one act di-

rected primarily at the Library of Congress take so much complication out of the library system? It's simple The Library of Congress automatically receives a copy of each book that is published in the United States. The clause known as "Title II-C" of the Higher Education Act permits the Library of Congress to add to this collection all the important books published in countries all over the world.

Now the Library of Congress has the laborious task of typing catalog cards for each of these books. Under the n e w cooperative agreement, however, the library also makes catalog card reproductions for each research library in the nation that has joined the program, whether the library has purchased the books or not. So Wilson Library and 83

other national libraries receive approximately 3,000 catalog cards per week from the Library of Congress. These cards are filed in the brary Acquisitions Department. When one of these books is ordered, Wilson Library pulls its card from the file, makes six duplicates of it with the Zerox machine, and completes all the background registration processes on the book before it arrives.

Under the old method, the duplicate cards had to be typed separately on a multiform after the book arrived at the library, because there was no way to get the necessary information about the book

1. Drinking

plots of

African

antelope

12. Ascended

Peru

13. Capital:

14. Cowlike

15. Cerium:

in a

17. Behold

19. Food

21. Move,

18. In

16. Arranged

advance

land

11. Small

6. Small

across the U.S. cooperates other than copying it from the

So, in effect, the Library of Congress does much of the cataloging work for the libraries who join this program, and it does it free of charge.

The only inconvenience that faces a library when it joins the Library of Congress in this new program is that it must switch from the popular Dewev Decimal system of classification to the one used by the Library of Congress. As of October 1, 1966, Wilson Library has made this switch and has been classifying all new books under the Library of Congress system.



SCHIAFFINO ARRIVEDERC

ZSA ZSA GABO

Shows At 1:00-3:00-5:00-7:00-9:00

CROSSWORD DAILY ACROSS

2. French 14. Part 3. Con-"to be" 16. British gealed cousin of the 4. Arabian garment chaf-5. Island finch

group between U.S. and So. Am .: abbr. 6. That can be distributed

proportionally 7. Black 8. Largest continent

9. Canvas dog's tail 10. Dagger 24. Shade of red 25. Size of 27. Before 28. Beirut is here

30. Girl's name 31. Pronoun 32. Seize 35. Music note 36. Belonging toa writer of fables

37. Dimen-39. An herb used in cooking 40. Broaden 41. Grin 42. Smells DOWN 1. Sun

god

17. Thread

18. Candle-

nut

20. Anger

32. Talks

21. Pale

Saturday's Answer

22. Container 35. Dog's for 23. Factor 37. Man's 26. Merry 29. Old name 38. Half measures of length 40. Armed 30. Damage

rank: 33. Quantity of paper abbr.

32 33 34

have you enjoyed Jack Jar Jurham -if not, you have a delightful treat in store. Our BIERSTUBE features AUTHENTIC GERMAN FOODS served buffet style! A satisfying

> will rave about! CARE BRIGHT LEAF Every Saturday Night 5:30 to 9

Don't Forget—Sunday Family Buffet 10:30 A.M.-2:30 P.M. - 5:30-9 P.M. (Children 1/2 Price) FREE PARKING in our Modern Garage

-Richard Schickel, Life DON'T MISS IT! 1:08, 3:06, 5:06, 7:02 & 9:00 RIALTO, DURHAM

mind for a long time-as you

did Laurence Harvey's Joe Lampton or Julie Christie's