

Electronic 'Brains' Make Real Brains Obsolete

Better And Better

Computers Can Rule The World

With the advent of the "thinking" machine, people are beginning to understand how horses felt when the car was invented. Men can still do everything a data-processing machine can do; but it takes a thousand of them working an entire lifetime to do what a "brain" can do in a day. Machines are a thousand times faster than they were three years ago, and a million times faster than ten years ago.

A whole new industry has appeared in scarcely more than a decade for the design, development, manufacture, maintenance and use of electronic computers. Within the next decade computers will affect our lives more than any other technological development. They affect us all because of their influence on economic planning, their ability to compress computation and decision-making into fractions of a second, their facility in directing and controlling other machines, their speed in solving problems too lengthy for manual solution.

Information-processing systems are controlling inventories, 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 helping 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.

These systems are already in operation on several airlines. In the planning stages are still greater management information systems such as the \$6 million system ordered by United Air Lines. Consisting of three giant UNIVAC 1106 computers, the United Information system is being designed to handle complete system-wide information on its passenger and fleet operations through 1975. In addition to processing some 17 major categories of information for the line, the UNIVAC system will use television-like cathode ray tube sets on a nationwide basis to display data.

As a public servant, the computer's potential value is limited only by man's imagination. Applications in medicine, law enforcement, science and even as a tool to control the rampages of nature represent only a fraction of the benefits to be derived from information processing.

In Cleveland, Ohio, Case Institute and the Highland View Hospital have slashed the time required to evaluate the heavy load of medical research data. With the help of a large-scale UNIVAC 1107, evaluation time for medical data has

been cut from as much as two 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 lines.



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—Richard Schickel, Life
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1:08, 3:06, 5:06, 7:02 & 9:00
RIALTO, DURHAM

PEANUTS

WHAT ARE YOU PUTTING ON MY ARM? WHAT ARE YOU DOING?

IS THAT THE NEEDLE? IS THAT IT? ARE YOU DOING IT NOW? WHAT HAPPENED TO SUGAR CUBES?

WHERE'S THE NEEDLE? WHERE'S MY ARM? WHAT ARE YOU... **AAUGH!**

WE JUST SHOT THE MEASLES!

TCH! TCH! WHAT A WAY FOR A MARRIED COUPLE TO BEHAVE—MY CAT AN' DOG GET ON BETTER TOGETHER THAN YOU TWO!

JUST TIE 'EM TOGETHER, MATE—YER'LL SOON CHANGE YER MIND!

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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.

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

other than copying it from the title page. 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.

Rate Of VD Among Teens Is Alarming

Americans are contracting venereal disease at an estimated 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.

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 time-saving advantage to students as well to the library staff.

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 Dewey 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.

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 facts.

How can this one act directed 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.

CAROLINA

SEX IS HERE TO SLAY!



TONY CURTIS
ROSANNA SCHIAFFINO

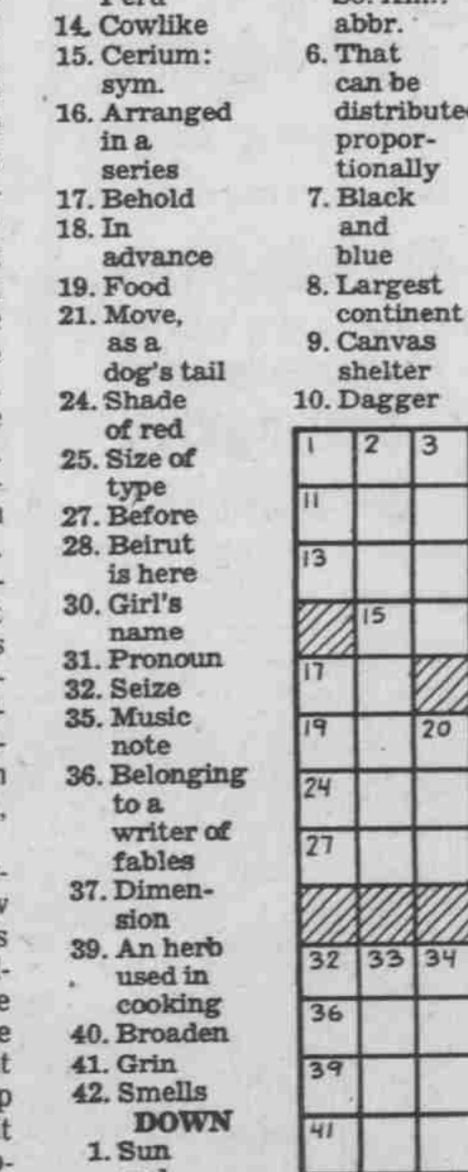
ARRIVEDERCI, BABY!

LIONEL JEFFRIES
ZSA ZSA GABOR
NANCY KWAN
Shows At 1:00-3:00-
5:00-7:00-9:00

DAILY CROSSWORD

- ACROSS**
1. Drinking aid
 2. French flag
 3. Congealed dew
 4. Arabian garment
 5. Island group between U.S. and So. Am.: abbr.
 6. That can be distributed for perfume
 7. Black and blue
 8. Largest continent
 9. Canvas shelter
 10. Dagger
 11. Size of type
 12. Before
 13. Beirut is here
 14. Girl's name
 15. Pronoun
 16. Seize
 17. Music note
 18. Belonging to a writer of fables
 19. Dimension
 20. An herb used in cooking
 21. Broaden
 22. Grin
 23. Smells DOWN
 24. Sun god

- DOWN**
1. Part of "to be"
 2. British cousin of the chaffinch
 3. Candle-nut tree
 4. Pale
 5. Container for perfume
 6. Factor
 7. Merry
 8. Old measures of length
 9. Damage
 10. Talks
 11. Quantity of paper
 12. U.S. holly
 13. Dog's name
 14. Man's nickname
 15. Half ems
 16. Armed forces rank: abbr.



Saturday's Answer

1. AID 2. FRENCH 3. CONGEE 4. GHAZI 5. I.S. 6. PERFUME 7. BLACK 8. AFRICA 9. TENTS 10. DAGGER 11. POINT 12. BEFORE 13. BEIRUT 14. GIRL 15. PRONOUN 16. SEIZURE 17. NOTE 18. FABLES 19. DIMENSION 20. HERB 21. BROADEN 22. GRIN 23. SMELL 24. SUN