

FLASHES

They've had to invent a machine to translate Russian; so few people can do it. A sentence in Russian is fed into ^{apparatus} ~~the~~ ^{which} ~~the~~ translator turns the words into holes punched in a card and some how the electronic marvel picks out the corresponding English ^{ones} ~~words~~. The present model is only experimental, limited to 250 words.

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The two most important in the Russian language are no and veto. Jackal, Hyena and other endearments to aid world peace ~~have been included in the list~~ are high on the list. The trial Russian sentence said international understanding constitutes an important factor. What a discovery.

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Next marvel of the machine age, the overhead manipulator, designed for work in radio-active plants dangerous to men. It's controlled fifty-feet away, yet works with the delicacy of a human hand. The whole arm weighs 15-tons.

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The 3,000-pound weight is nothing to it. It can lift 7,000-pounds without any strain. Just as easily the manipulator can pick up an egg without any risk of breaking the shell.

Racing driver Maurice Rose inserted himself behind a gas turbine engine in a car that looked super-sonic and gave a glimpse of the automobile of ~~tomorrow~~ tomorrow.

Rose stepped on it and the Firebird showed its paces on the test track, at Phoenix, Arizona.

The 28,000 ton tanker Vellelia broke a ribbon, formally opening the Manchester Ship Canal Company's oil dock - largest in Britain. It's at Eastham, near the entrance of the Manchester Ship Canal. When the ribbon broke the Company revealed that the enterprise was christened Queen Elizabeth II dock. It took 4 years to construct; cost, 5 million-pounds. The R.A.F. gave it a salute in a fly past of 12 meteor jets.

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The dock can accommodate ^{four} 30,000-ton tankers at a time.

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SCIENCE & INVENTION IN THIS AGE OF MIRACLES

ELECTRONIC "BRAIN" TRANSLATES RUSSIAN TO ENGLISH

A 500 thousand dollar super-calculator — (most versatile electronic "brain" known)— translates Russian into English! Instead of mathematical wizardry, a sentence in Russian is to be fed into the computer. The words are encoded on punched cards — which will guide the electrical impulses to produce the translated copy. Of course, in this first demonstration, they cannot translate a book. 250 words constitute the new electronic language. Now the translation mechanisms are going into operation. A key is a magnetic drum which holds electronically, like a dictionary the 250 Russian words and their equivalents in English. The "brain" is given the Russian sentence — and in less than 10 seconds the translation will be completed. We'll skip the technical details. Instead, as the electrical code impulses finally activate the typewriter keys, we'll show you the translation coming through: "International understanding constitutes an important factor in decision of political questions."

What a brain!

THE O-MAN World's Strongest Arm

Meet the O-Man (short for Overhead Manipulator) the arm of important scientific duties! Designed for assembling equipment in radioactive areas, it is a remotely controlled device that can perform the heaviest and most precise duties. Its bridge-and-trolley movement features dynamic braking. The operator controls eleven manipulator functions. 50 feet from a piece of metal it can achieve sheer perfection. Watch this job calling for accuracy — but done just as your hands would....

The 15-ton arm can lift up to 7 thousand pounds.

But no iron-clawed monster is the O-Man—see how careful he can be with an egg!