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V.M.GLUSHKOV – INVENTOR OF INTERNET

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Traditionally Internet is treated as an invention dreamt up in late 1960s by the US Defence Department's Advanced Research Project Agency which decided that in the event of a nuclear attack, it needed a means by which messages could be sent and received even if phone lines were inoperative. In 1969 there was a network of just four mainframe computers. By 1972 the number has risen to 40.

But the first Internet communication happened to be carried out by Victor M. Glushkov, famous mathematician, computer engineer, academician of the Ukrainian Academy of sciences, pioneer in cybernetics . He initially made his reputation as the first mathematician to solve the fifth generalized problem of Hilbert but is better known as the head of the U.S.S.R.'s Institute of Cybernetics that was of primary importance to the application of computers in the Soviet Union. V.M. Glushkov is a holder of the Silver-Core award of the International Federation for Information Processing (IFIP). He published more than 800 papers including thirty monographs, many of which have been translated into other languages.

He coined the word Internet. At that time it was something unbelievable. But V.M.Glushkov was able to transform tales into reality. His researches and developments in this area have been started in 1961 as the program of using civilian computers to solve tactical problems for Military Forces .

In a short period of time V.M.Glushkov's crew has not only developed the principle of linking computers "Ural - 1" with the telegraph communication channels, but they have implemented it technically, using already existing equipment in the army – ST-35 and PTA (roll telegraph).

Thus, for the years 1961-1963 three important issues have been addressed: the pairing of computers with communications channels, displaying the results of computer solutions to the cathode-ray tube and the output of the computer raster image of alphanumeric, graphic and full-size half-tone information. All this represented the first prototype of the components of the modern internet, telecommunications, display and raster printer.