EARN EXECUTIVE

CNUSC-NSFNET IP LINK

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Since March 89, CNUSC is connected to NSFNET (CNSF, Ithaca, NY).
NSFNET results from a joint project between MERIT (University of
Michigan), IBM and MCI. Based on the TCP/IP protocol, the network
enables heterogeneous network communication between scientists. This
is the first step toward a connection with EASINET (European Academic
Supercomputing Initiative Network).

CNUSC is connected to the american backbone in Cornell through a 56
Kbps line, which should become soon a T1 (1.5 Mbps) using the
transatlantic fibre optic (TAT8). The gateway is made up of an IBM
PC/RT (6150), with a special card and specific software, supervised by
the Network Operation Centre (NOC) in Ann Arbor, Michigan. The PC/RT
is connected to an Ethernet LAN through a FANOUT. On this LAN are
connected the IBM 3090-400 running MVS as well as other Personal
Computers. For the 3090, a K200 interface is currently used as the
link between the Ethernet LAN and the IBM channel. We provide a full
TCP/IP service, running today KNET (from Fibronics) on MVS; we will
run later the IBM TCP/IP, and the IBM 8232 interface. We don't use SNA
for this link (Cornell is not an SNA shop, and we don't need SNA to
run TCP/IP).