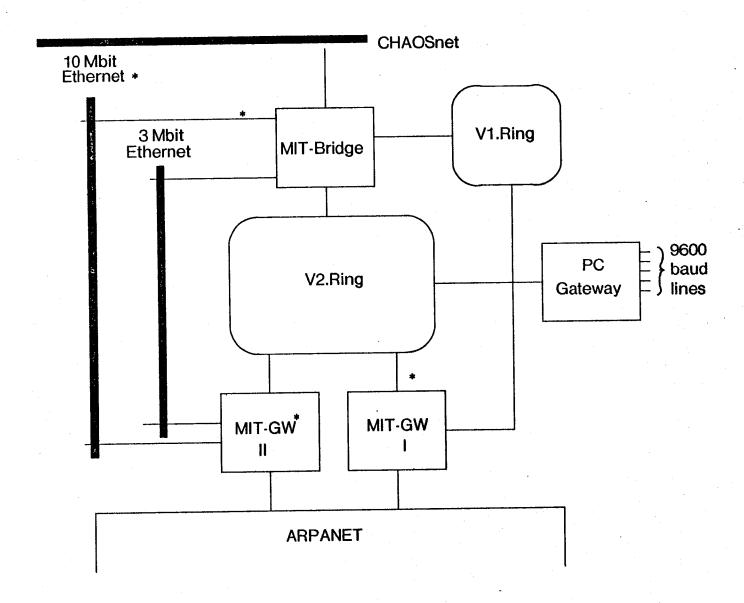LCS Network and IP Gateway plans as of July, 1982
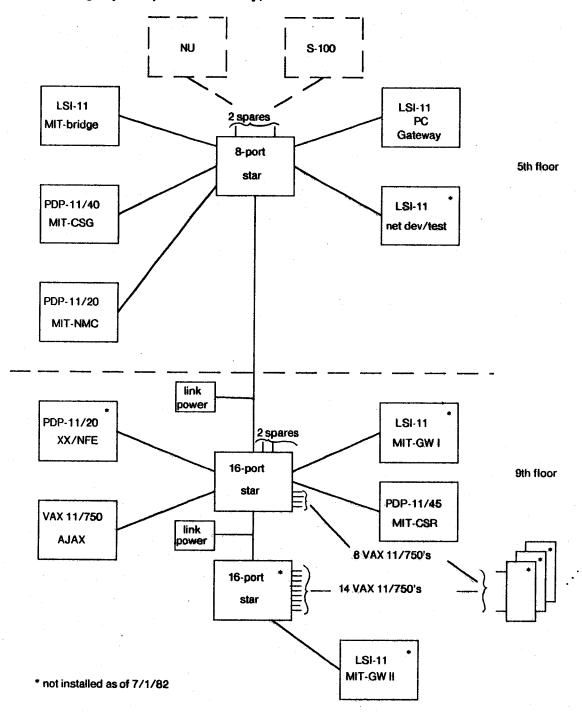
by J. H. Saltzer

Attached are 5 figures illustrating the currently planned logical
layout of IP Gateways and hosts connected to the ring and Ethernet
local networks at L.C.S.

IP Gateway layout/plan as of July, 1982

CHAOSnet

10 Mbit
Ethernet *

3 Mbit
Ethernet

MIT-Bridge

V1.Ring

V2.Ring

PC
Gateway

} 9600
} baud
} lines

MIT-GW *
II

MIT-GW
I

ARPANET

* not installed as of 7/1/82

V2.Ring layout/plan as of July, 1982

NU

S-100

LSI-11
MIT-bridge

2 spares

8-port
star

LSI-11
PC
Gateway

5th floor

PDP-11/40
MIT-CSG

LSI-11 *
net dev/test

PDP-11/20
MIT-NMC

link
power

PDP-11/20 *
XX/NFE

2 spares

16-port
star

LSI-11 *
MIT-GW I

9th floor

VAX 11/750
AJAX

link
power

PDP-11/45
MIT-CSR

8 VAX 11/750's

16-port *
star

14 VAX 11/750's
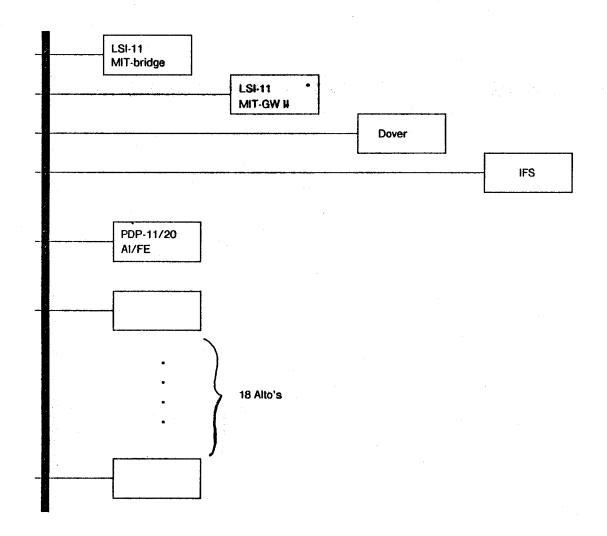
* not installed as of 7/1/82

LSI-11 *
MIT-GW II

V1.Ring layout as of July 1982

N.B. The V1.ring is being phased out.
All hosts on this ring will be moved to the V2.ring.

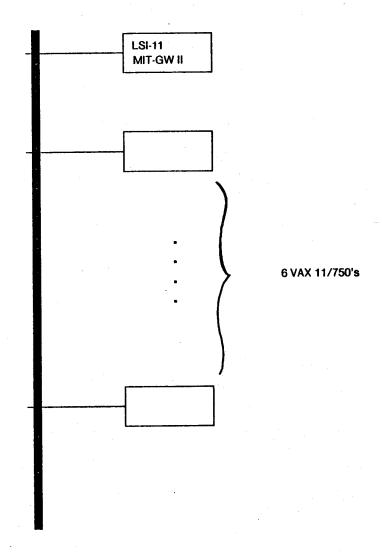# 3 Mbit Ethernet layout/plan as of July, 1982

```
│
├──────┌─────────────┐
│      │ LSI-11      │
│      │ MIT-bridge  │
│      └─────────────┘
│
├─────────────┌─────────────┐
│             │ LSI-11    * │
│             │ MIT-GW II   │
│             └─────────────┘
│
├────────────────────────────┌─────────────┐
│                            │   Dover     │
│                            └─────────────┘
│
├──────────────────────────────────────┌─────────────┐
│                                      │    IFS      │
│                                      └─────────────┘
│
│
├──────┌─────────────┐
│      │ PDP-11/20   │
│      │ AI/FE       │
│      └─────────────┘
│
│
├──────┌─────────────┐
│      │             │
│      └─────────────┘
│            ·       ⎫
│            ·       ⎬  18 Alto's
│            ·       ⎭
│            ·
├──────┌─────────────┐
│      │             │
│      └─────────────┘
│
```

*   not installed as of 7/1/82

10 Mbit Ethernet layout/plan as of July 1, 1982

```
┌──────────────┐
│ LSI-11       │
│ MIT-GW II    │
└──────────────┘

┌──────────────┐
│              │
└──────────────┘
                    ⎫
         .          ⎬   6 VAX 11/750's
         .          ⎭
         .
         .
┌──────────────┐
│              │
└──────────────┘
```

This network is not installed as of 7/1/82