

MEMORANDUM

TO: Peter Spyers-Duran
FROM: Louise Bugg *Louise*
SUBJECT: DALNET Front End Requirements
DATE: December 15, 1986

Without a detailed telecommunications analysis for any of the DALNET libraries except Oakland University, here are estimated front end line requirements for the next year.

1. Oakland University	4
2. Wayne County Community College	7
3. Detroit Public Library	30
4. Highland Park Public Library	2
5. Botsford Hospital	2
6. Beaumont Hospital	2
TOTAL	47 lines

NOTES:

1. Oakland University -- the fourth line may not be needed until next year.

2. WCCC -- if WCCC's Computing Center chooses a direct link from an IBM 3725 front end installed at their main campus to ours, only one line? would be needed.

3&4. DPL and HP -- they will want to evaluate the option of using ASCII terminals for their branches, communicating via an IBM 7171. This estimate is based on one line per branch and 3 lines for the main library, all of which would not be installed the first year.

5&6. Hospitals -- assumes a maximum of 2 lines each.

cc. J. Williams
CSC Coordinating Team

D R A F T

Library NOTIS Installation
DALNET Front End Options

There are at least three options available to the Library for adding the IBM terminal front end capacity required by DALNET over the next year.

OPTION I: CSC provides lines on its front ends.

The CSC would agree to share its front end capacity with DALNET libraries. From 20 to as many as 50 lines may be needed in the next year, or so. Cost would have to be negotiated with the CSC.

OPTION II: Library buys a dedicated front end, either an IBM 3725 or an IBM 3270.

The CSC would be involved in the installation, housing, and operation of the Library's dedicated front end. Twenty-four lines would be the minimum size with which to start, with expansion up to 50 lines possible.

OPTION III: Library buys a front end and trades lines on it for some on the CSC's front ends.

This provides the ability to spread the DALNET lines over multiple front ends, so that all DALNET lines are not down when one front end is down, for whatever reason.

See next page for cost estimates for purchase of a front end.

COST ESTIMATES FOR FRONT END

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IBM 3725, Model 2
with 24 line, 80 max

IBM 3720
with 24 lines, 60 max

Purchase Price	\$78,192		\$49,513
2-Yr. Purchase Plan @9.5%			
due 1/1/87	30,920.36		19,579.30
due 10/1/87	41,227.15		26,105.73
due 10/1/88	10,306.79		6,526.43
TOTAL	82,454.30		52,211.46
3-Yr. Purchase Plan @9.5%			
due 1/1/87	21,476.40		13,599.22
due 10/1/87	28,635.20		18,132.29
due 10/1/88	28,635.20		18,132.29
due 10/1/89	7,158.80		4,533.07
TOTAL	85,905.60		54,396.87
Console Price			
IBM 3727	2,032		
IBM 3161			521.25
Software Price			
Initial charges	?		3,136.50
Annual maintenance	2,900?		12,546.00
Ann. Hardware Maint.			
After 1-Yr. Warr.	3,072		2,244
Upgrade to 40 lines	20,408		?
Upgr 40 to 80 lines	41,969	40 to 60	?
L. Bugg 12-15-86			

* Purchase this one