

9/24/81  
A.M. SHALLOANCOST ESTIMATESSIMPLER SYSTEM

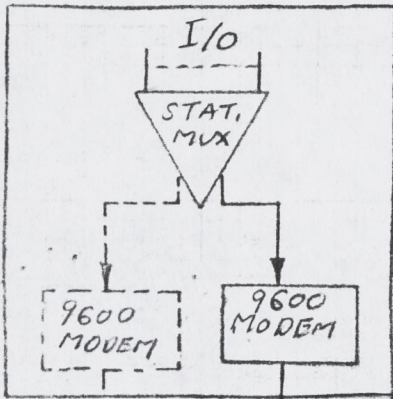
<u>COMPANY</u>	<u>PURCHASE PRICE</u>	<u>INSTALLATION</u>	<u>COMMENTS</u>
PARADYNE	\$36,756. <sup>00</sup>	\$2,030. <sup>00</sup>	LIMITED FLEXIBILITY
DCS { MICON MUX. GDC MODEM	\$31,898. <sup>00</sup>	N.A.	" "
TIMEPLEX	47,658. <sup>00</sup>	N.A.	EXCELLENT FLEXIBILITY & TEST; WILL NOT CARRY DDCMP <sup>THRU MUX.</sup>
INFOTRON	54,886. <sup>00</sup>	N.A.	INCLUDES SWITCHING IN CV & VLA - POWERFUL,
HALCYON	50,160. <sup>00</sup>	3,724. <sup>00</sup>	QUITE GOOD - NEW UNIT COMING (MAYBE \$1500. <sup>00</sup> ) BETTER
RACAL-MILGO	71,306. <sup>00</sup>	N.A.	GOOD - HAS AUTO DIAL-UP BACKUP.
CODEX	71,995. <sup>00</sup>	N.A.	FAIRLY GOOD, LOTS OF FLEXIBILITY
DCA	EST. \$55K-65K	N.A.	PROVIDES SWITCHING,

MIN. = \$31,898.<sup>00</sup> — MAX. = \$71,995.<sup>00</sup>

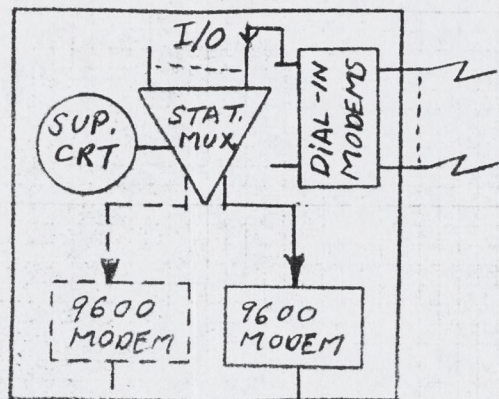
DDS SYSTEM BALL PARK ESTIMATE:

MIN = \$50,000 — MAX. = \$110,000.<sup>00</sup>

W. VA.  
GREEN BANK



VA.  
CHARLOTTESVILLE

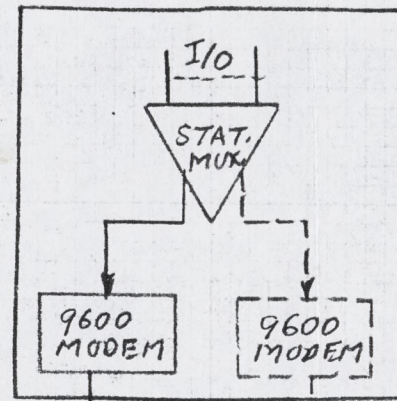


ABBREVIATIONS  
 DSU - DATA SERVICE UNIT  
 DDS - DIGITAL DATA PHONE SERVICE  
 3002 - UNCONDITIONED LINE  
 SUP. CRT - SUPERVISORY CRT

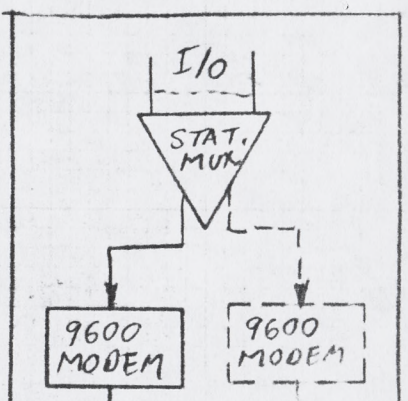
### PROPOSED DATA COMMUNICATIONS SYSTEM FOR NRAO

ARTHUR M. SHALLOWAY  
9-23-81

N. MEX.  
VLA

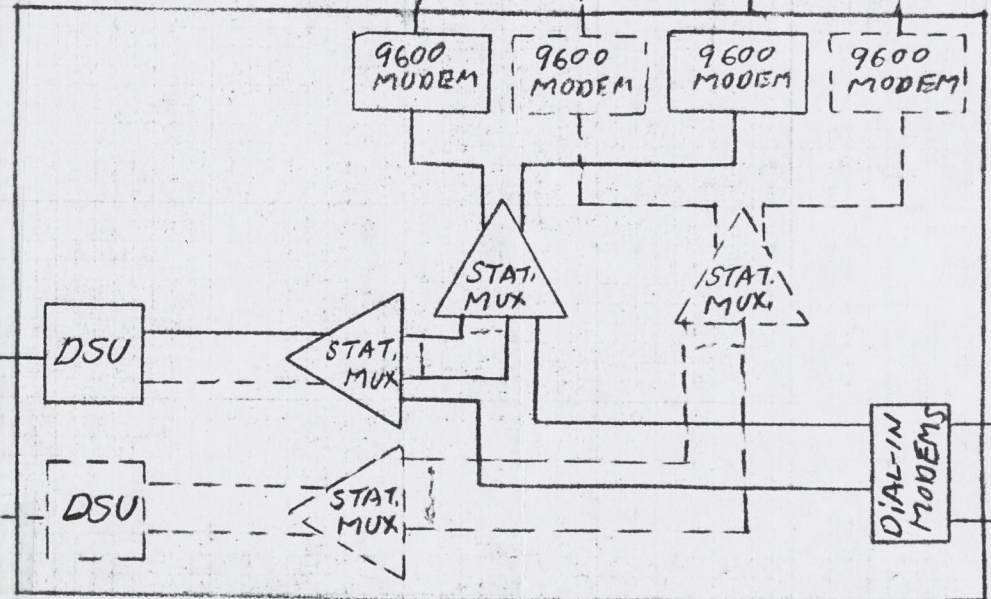
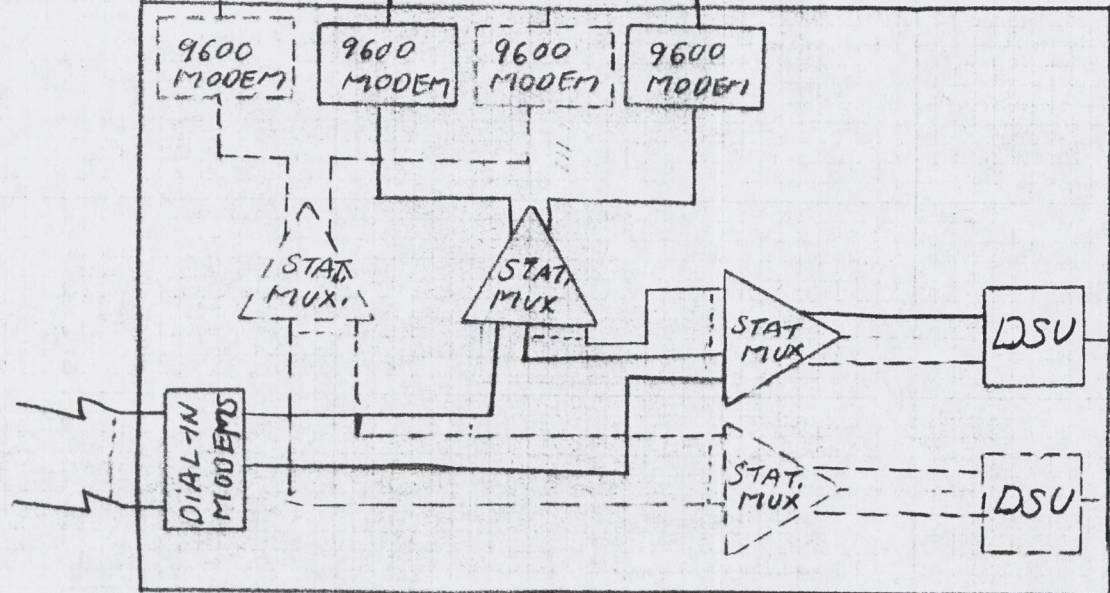


N. MEX.  
SOCORRO



LEASED LINE 3002  
 LEASED LINE 3002  
 LEASED LINE 3002  
 LEASED LINE 3002

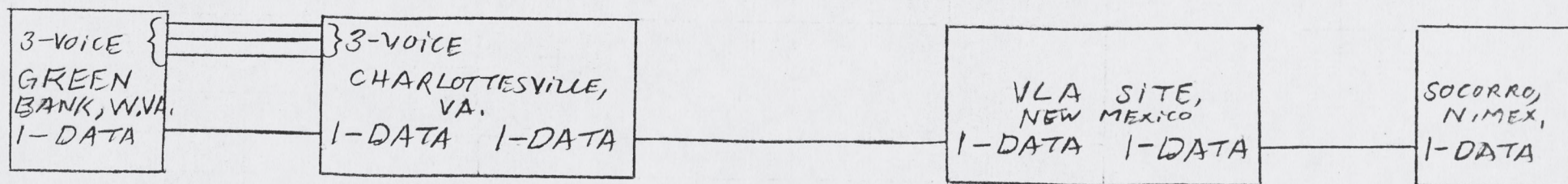
LEASED LINE 3002  
 LEASED LINE 3002  
 LEASED LINE 3002  
 LEASED LINE 3002



WASHINGTON, D.C. (AUI OR NSF HDQ.)  
OR RICHMOND OR ROANOKE, VA.

ALBUQUERQUE, N. MEX.

# NRAO DATA COMMUNICATIONS SYSTEM - TENTATIVE



CRT - 1200 AS - VAX	CRT - 1200 AS	- DEC 10	DEC 10 - 1200AS - CRT
CRT - 1200 AS - IBM	CRT - 1200 AS	- DEC 10	DEC 10 - 1200 AS - CRT
CRT - 1200 AS - IBM	IBM - 1200 AS	- CRT	DEC 10 - 1200 AS - CRT
CRT - 1200 AS - IBM	IBM - 1200AS	- CRT	DEC 10 - 1200AS - CRT
CRT - 1200 AS - IBM	IBM OR VAX - 1200 AS	- CRT	DEC 10 - 4800 S - PRINTER
PRINTER } CARD READER } 4800 S - IBM	IBM OR VAX - 1200 AS	- CRT	
IBM - 1200 AS - MULTI-DROP TO SOCORRO, N.MEX.	VAX - 4800 S DDCMP	- VAX	
IBM - 1200 AS - MULTI-DROP TO SOCORRO, N.MEX.	- 1200 AS	- MULTI-DROP TO SOCORRO, N.MEX.	- 1200 AS - CRT
	- 1200 AS	- MULTI-DROP TO SOCORRO, N.MEX.	- 1200 AS - CRT

NOTES: AT A LATER DATE, 1 OR 2 CRT'S MAY BE OPERATED AT 2400 BAUD AS (FOR GRAPHICS)  
IF ONE LEASED LINE WILL NOT HANDLE THE DATA, WE WILL LATER ADD TWO.

7-27-81  
A.M. SHALLOWAY

