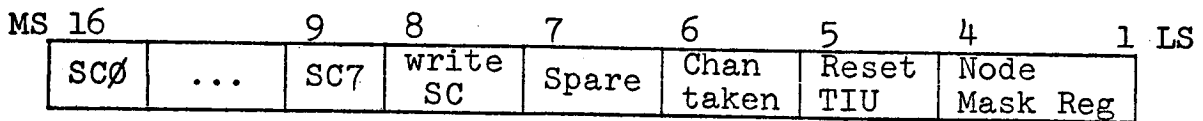


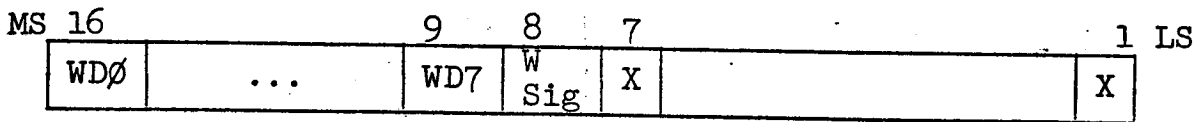
516-57  
 DRW  
 1/11/72

FORMAT FOR THE 516-NODE-T.I.U.  
 SPIDER INTERFACE

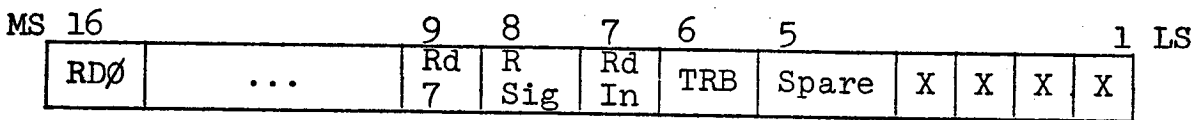
A. Write Command to T.I.U.



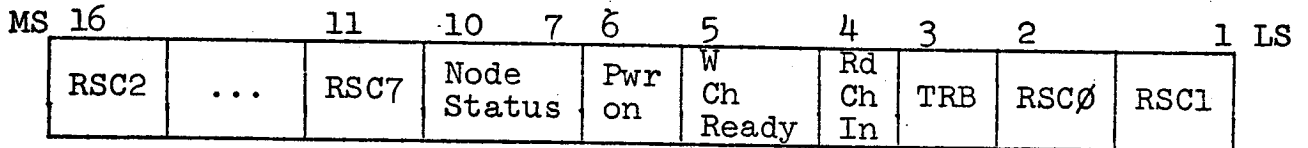
B. Write Data to T.I.U.



C. Read Data from T.I.U.



D. Read Status from T.I.U.



- |                            |                           |
|----------------------------|---------------------------|
| SC = Select Channel        | R. Sig = Read Signal      |
| WD = Write Data            | Rd In = Read Data In      |
| RD = Read Data             | TRB = T.I.U. Trouble Flag |
| WselCh = Write Sel Channel | SP = Spare                |
| WSig = Write Signal        | RC = Read Channel         |

Write Data Ready will cause a Write Interrupt.  
 Read Data In will cause a Read Interrupt.  
 Read Channel In will cause an Awake Interrupt.  
 Read Channel In or a Trouble Flag will cause a Status Interrupt.  
 Write Command bit 8 = 1 will cause the writing of Select Channel into the T.I.U.

FORMAT FOR THE 516-NODE-T.I.U.  
 SPIDER INTERFACE

A. Write Command to T.I.U.

MS 1		8	9	10	11	12	13	16	LS
SC $\emptyset$	...	SC7	write SC	Spare	Chan taken	Reset TIU	Node Mask Reg		

B. Write Data to T.I.U.

MS 1		8	9	10		16	LS
WD $\emptyset$	...	WD7	W Sig	X		X	

C. Read Data from T.I.U.

MS 1		8	9	10	11	12		16	LS	
RD $\emptyset$	...	Rd 7	R Sig	Rd In	TRB	Spare	X	X	X	X

D. Read Status from T.I.U.

MS 1		8	9	10	11	12	13	14	15	16	LS
RSC2	...	RSC7	Node Status	Pwr on	W Ch Ready	Rd Ch In	TRB	RSC $\emptyset$	RSC1		

- |                            |                           |
|----------------------------|---------------------------|
| SC = Select Channel        | R. Sig = Read Signal      |
| WD = Write Data            | Rd In = Read Data In      |
| RD = Read Data             | TRB = T.I.U. Trouble Flag |
| WselCh = Write Sel Channel | SP = Spare                |
| WSig = Write Signal        | RC = Read Channel         |

Write Data Ready will cause a Write Interrupt.  
 Read Data In will cause a Read Interrupt.  
 Read Channel In will cause an Awake Interrupt.  
 Read Channel In or a Trouble Flag will cause a Status Interrupt.  
 Write Command bit 8 = 1 will cause the writing of Select Channel  
 into the T.I.U.