

Petition Exhibit 1008

Presentation Re: Inter Partes Review of U.S. Patent
No. 6,437,692



NOVAK DRUCE CONNOLLY
BOVE + QUIGG LLP

Inter Partes Review

U.S. 6,437,692

Jay Guiliano

Alfred Zaher

BOSTON | HOUSTON | LOS ANGELES | SAN FRANCISCO | SILICON VALLEY | WASHINGTON, D.C. | WEST PALM BEACH | WILMINGTON | *ready to engage*

FieldComm Group
Exhibit 1008



Multi-Network Gateway Feature – Ultrix

We achieved the goals outlined in the preceding section by adding support for packet radio to a system running Ultrix that was already on our department's Ethernet and part of the Internet. The code we used to encapsulate and decapsulate packets on our MicroVAX is based on the existing code for the PC.

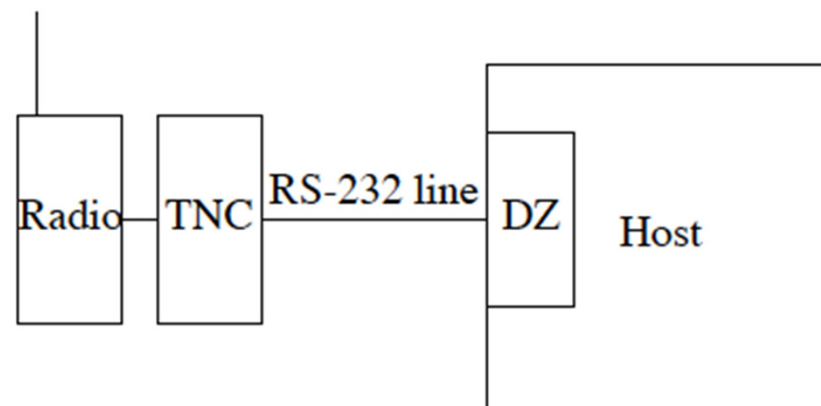


Figure 1. Physical hardware

Ultrix at 2



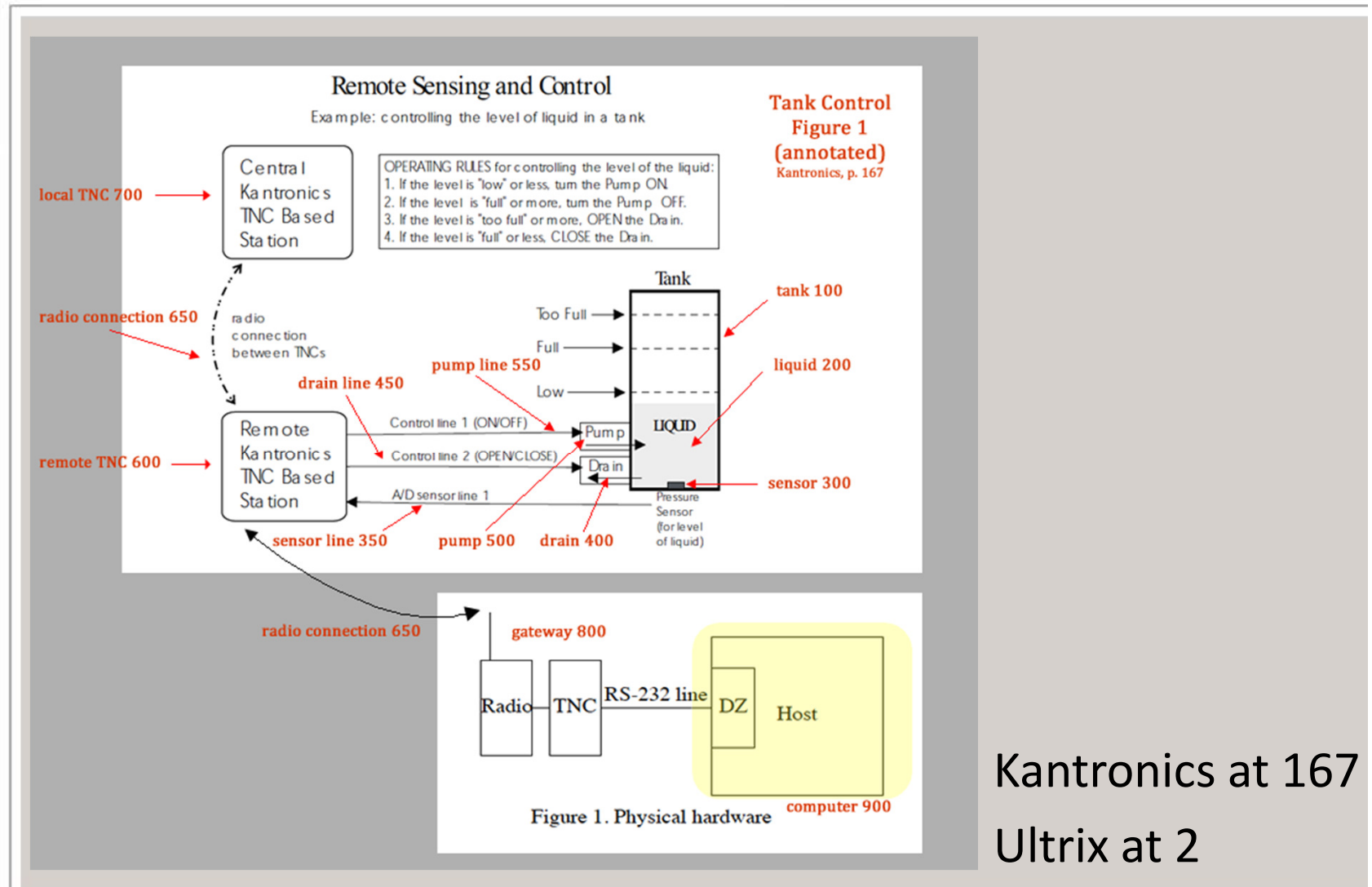
Multi-Network Gateway Feature – Ultrix

One of the primary objectives of our project was to provide a gateway between packet radio users (or at least, those that speak IP) and the Internet. This allows those users to access many of the network services that we, as Internet users, are used to. It is hoped that access to such services will stimulate the development of services specifically suited to the amateur packet radio community. The availability of such services will provide additional incentive for further stations to begin using IP. Another goal was to provide a gateway between users speaking other protocols over packet radio, and systems running IP. Such a gateway would allow stations to run IP without isolating themselves from the existing amateur packet radio network.

Ultrix at 2



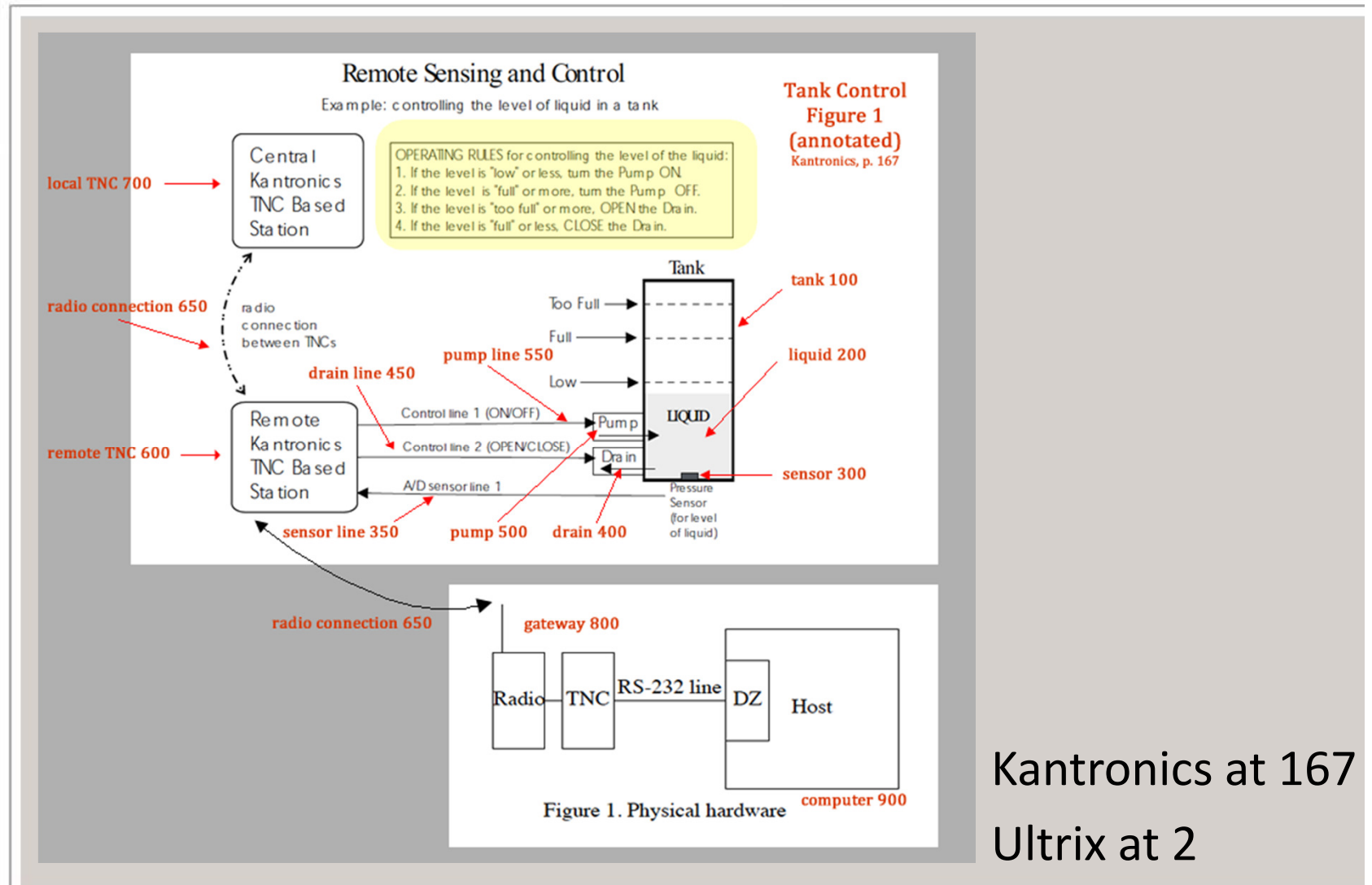
“a computer configured to execute at least...” (1 of 6)



Kantronics at 167
Ultrix at 2



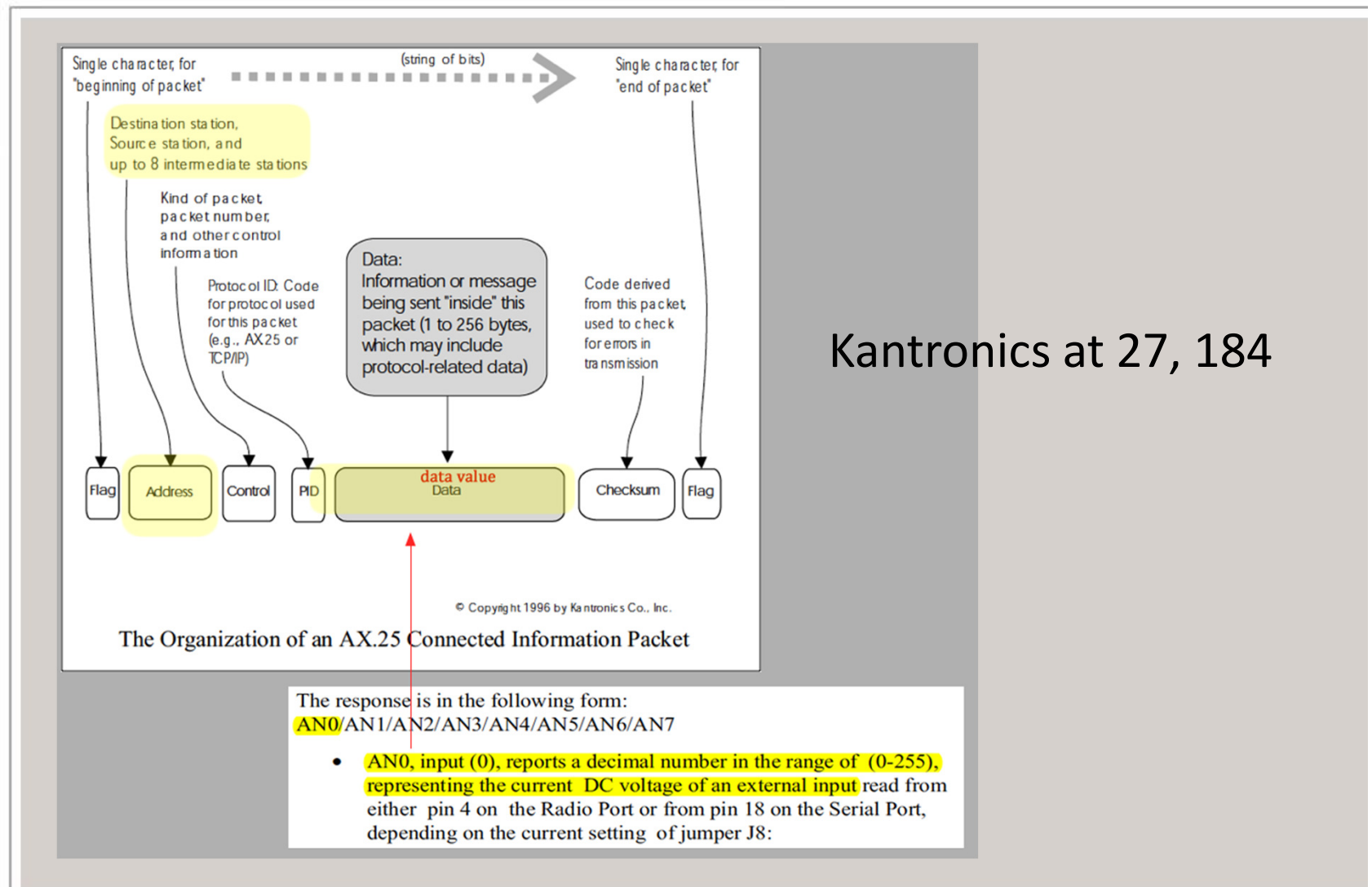
“...one computer program...” (2 of 6)



Kantronics at 167
Ultrix at 2



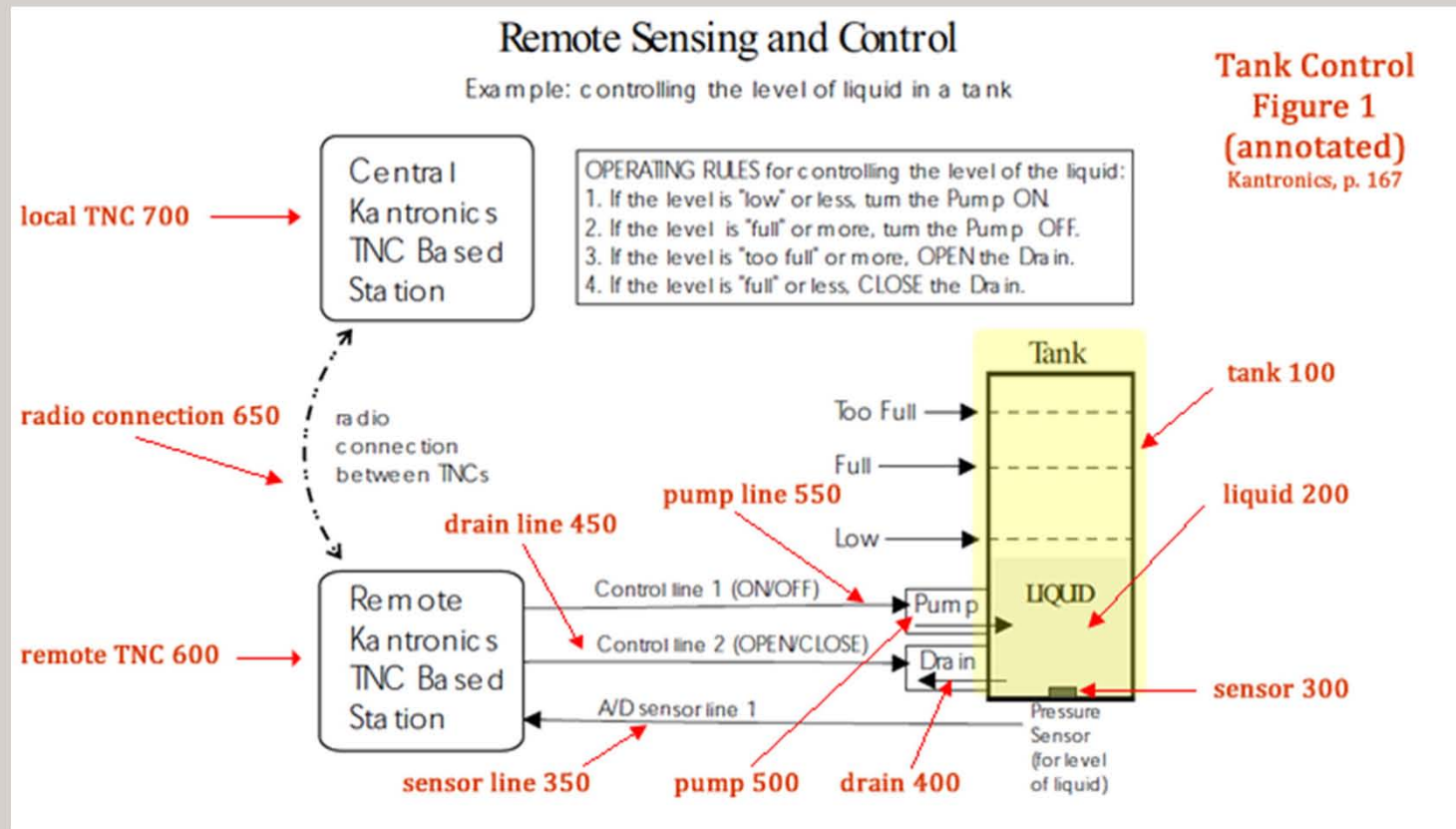
“...that formats and stores select information...” (3 of 6)



Kantronics at 27, 184



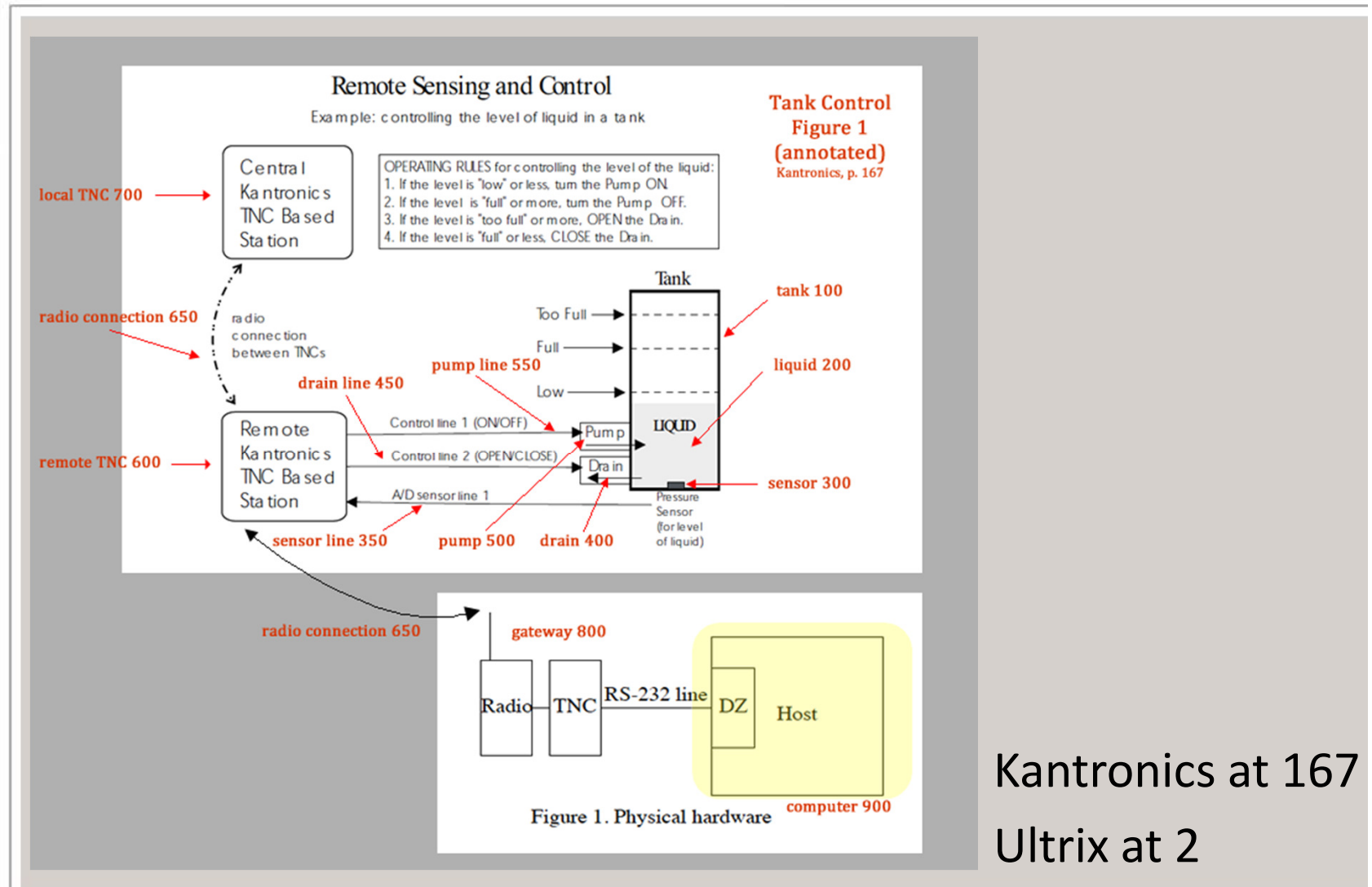
“...for retrieval upon demand from a remotely located device,...”
(4 of 6)



Kantronics at 167



"...said computer..." (5 of 6)



Kantronics at 167
Ultrix at 2



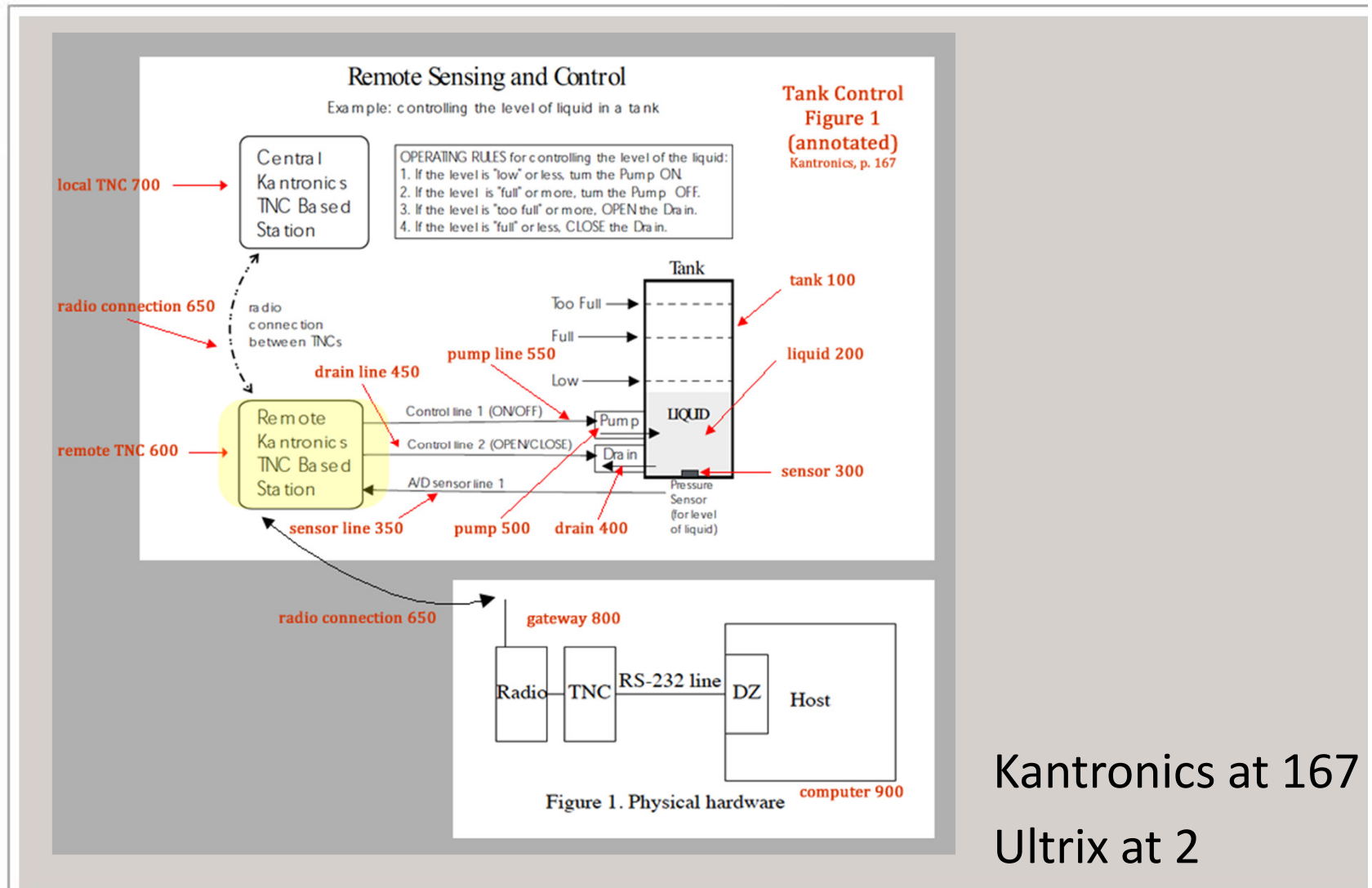
“...integrated with a wide area network (WAN);” (6 of 6)

One of the primary objectives of our project was to provide a gateway between packet radio users (or at least, those that speak IP) and the Internet. This allows those users to access many of the network services that we, as Internet users, are used to. It is hoped that access to such services will stimulate the development of services specifically suited to the amateur packet radio community. The availability of such services will provide additional incentive for further stations to begin using IP. Another goal was to provide a gateway between users speaking other protocols over packet radio, and systems running IP. Such a gateway would allow stations to run IP without isolating themselves from the existing amateur packet radio network.

Ultrix at 2



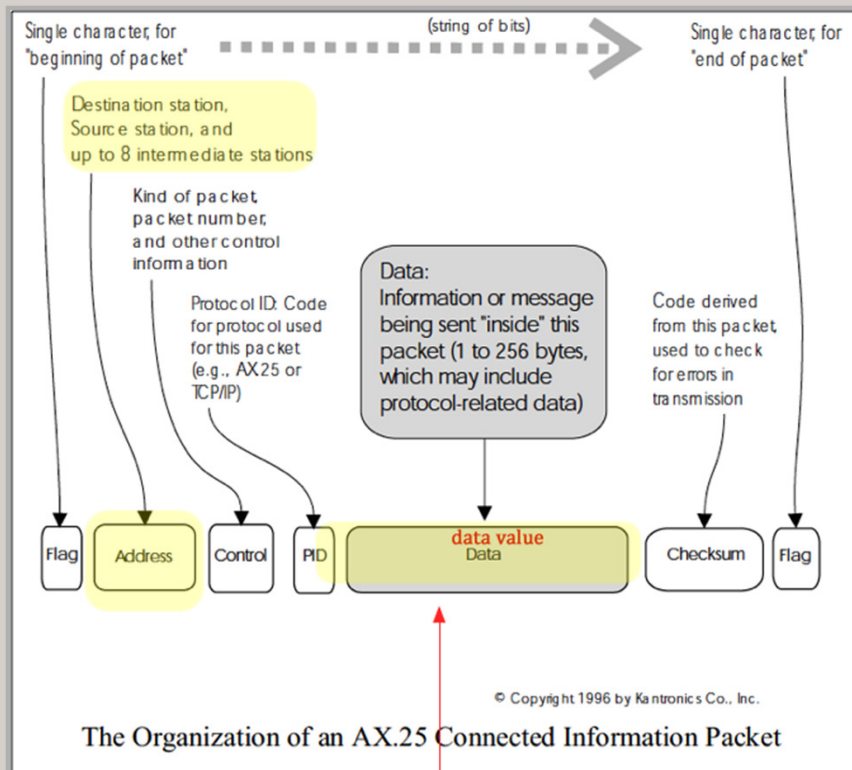
“at least one wireless transmitter configured to transmit...” (1 of 2)



Kantronics at 167
Ultrix at 2



“...select information and transmitter identification information;” (2 of 2)



Kantronics at 27, 184

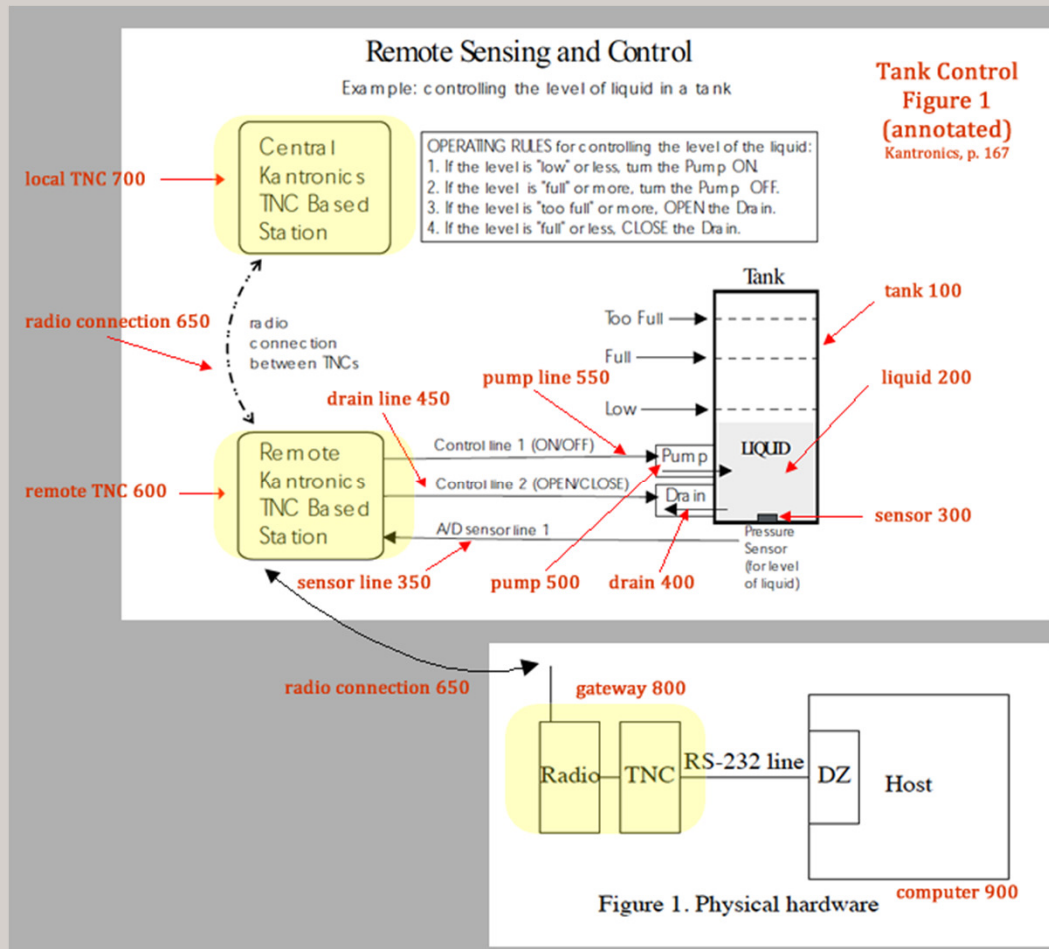
The response is in the following form:

AN0/AN1/AN2/AN3/AN4/AN5/AN6/AN7

- **AN0, input (0), reports a decimal number in the range of (0-255), representing the current DC voltage of an external input read from either pin 4 on the Radio Port or from pin 18 on the Serial Port, depending on the current setting of jumper J8:**



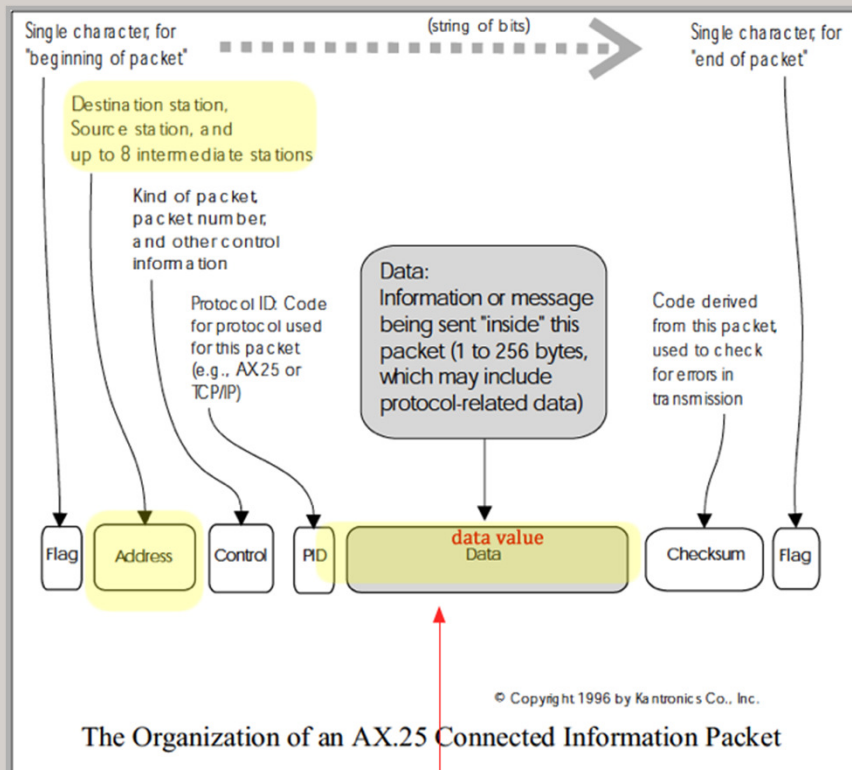
“a plurality of relatively low-power radio-frequency (RF) transceivers dispersed geographically at defined locations...” (1 of 4)



Kantronics at 167
Ultrix at 2



“configured to receive select information transmitted from at least one nearly wireless transceiver” (2 of 4)



Kantronics at 27, 184

The response is in the following form:

AN0/AN1/AN2/AN3/AN4/AN5/AN6/AN7

- AN0, input (0), reports a decimal number in the range of (0-255), representing the current DC voltage of an external input read from either pin 4 on the Radio Port or from pin 18 on the Serial Port, depending on the current setting of jumper J8:



“configured to receive select information transmitted from at least one nearly wireless transceiver” (3 of 4)

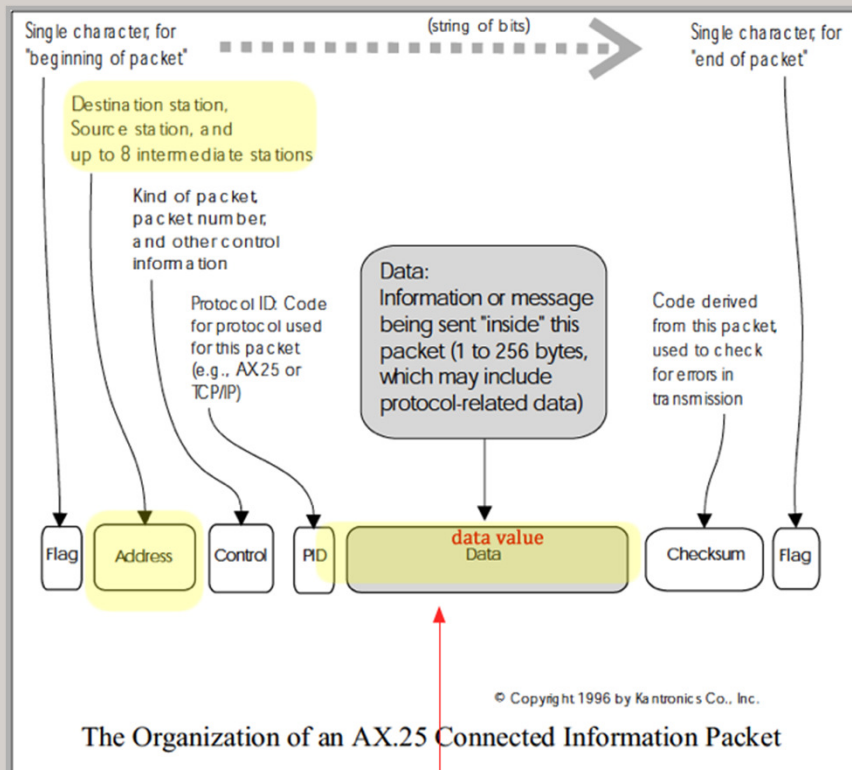
Digipeating

Everything we have done so far will only be heard by those within range to hear your signal. With packet radio it is possible to go farther than that. The DIGIPEAT parameter in the TNC comes defaulted ON. This makes your TNC a possible relay station, or digital repeater — digipeater, or just digi for short. In many VHF communities one or more of these is put up in a good, high location and referred to as a dedicated digi. The TNC and radio is all that is needed for the digital repeater to do its job. A computer would be needed if you wanted to

Kantronics at 105



“and further configured to transmit the select information, the transmitter identification information and transceiver identification information;” (4 of 4)



Kantronics at 27, 184

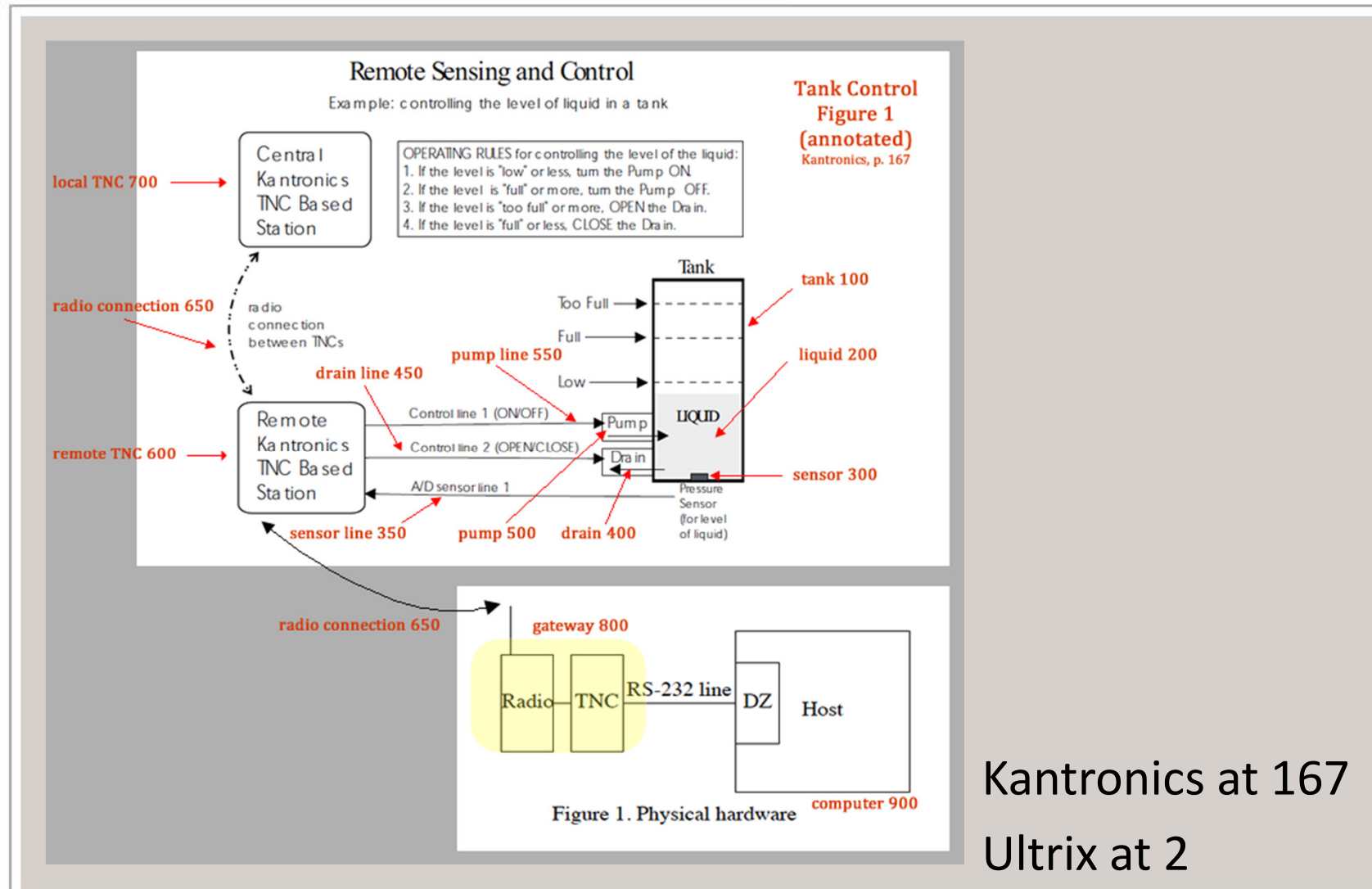
The response is in the following form:

AN0/AN1/AN2/AN3/AN4/AN5/AN6/AN7

- AN0, input (0), reports a decimal number in the range of (0-255), representing the current DC voltage of an external input read from either pin 4 on the Radio Port or from pin 18 on the Serial Port, depending on the current setting of jumper J8:



“and at least one gateway connected to the wide area network...” (1 of 5)



Kantronics at 167
Ultrix at 2



“...configured to receive and translate...” (2 of 5)

We achieved the goals outlined in the preceding section by adding support for packet radio to a system running Ultrix that was already on our department's Ethernet and part of the Internet. The code we used to encapsulate and decapsulate packets on our MicroVAX is based on the existing code for the PC.

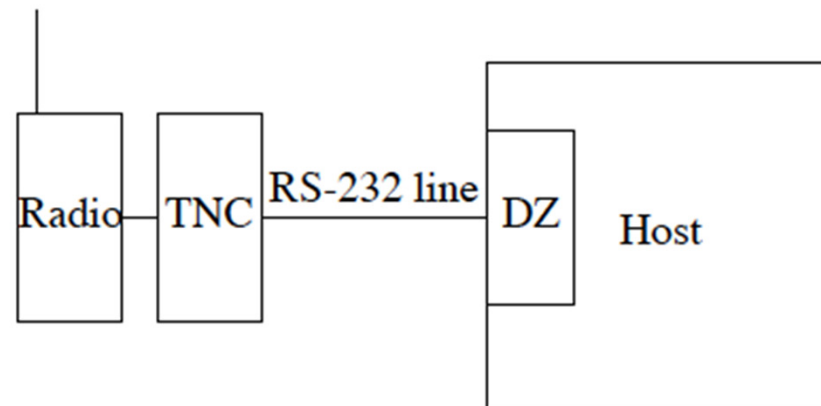


Figure 1. Physical hardware

Ultrix at 2



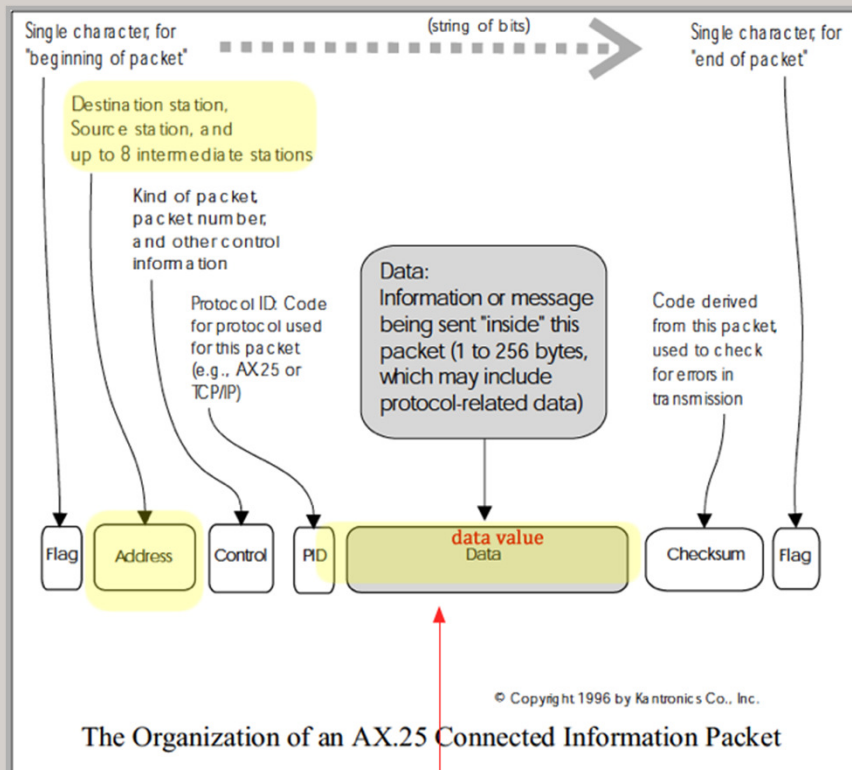
“...configured to receive and translate...” (3 of 5)

a radio and a TNC. The radio corresponds to an Ethernet tranceiver, and the TNC to the Ethernet controller. One difference, though, is that the TNC does

Ultrix at 2-3



“...the select information, the transmitter identification information, and transceiver identification information...” (4 of 5)



Kantronics at 27, 184

The response is in the following form:

AN0/AN1/AN2/AN3/AN4/AN5/AN6/AN7

- **AN0, input (0), reports a decimal number in the range of (0-255), representing the current DC voltage of an external input read from either pin 4 on the Radio Port or from pin 18 on the Serial Port, depending on the current setting of jumper J8:**



“...said gateway further configured to transmit the translated information to the computer over the WAN.” (5 of 5)

We achieved the goals outlined in the preceding section by adding support for packet radio to a system running Ultrix that was already on our department's Ethernet and part of the Internet. The code we used to encapsulate and decapsulate packets on our MicroVAX is based on the existing code for the PC.

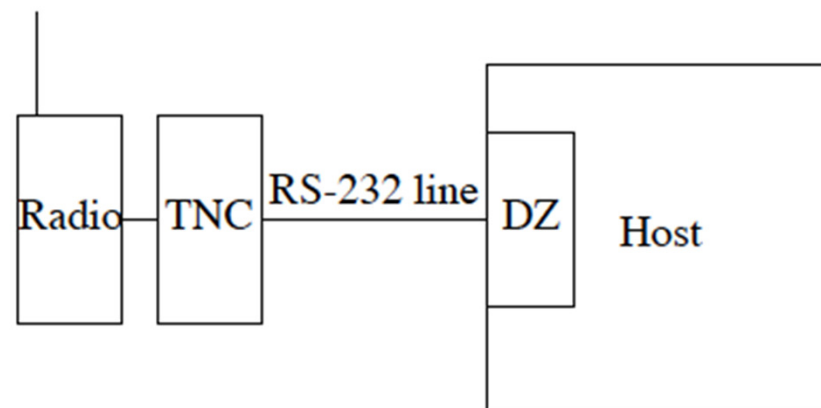


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Ultrix at 2