



ERITREAN PUBLIC HEALTH PROGRAMME

MESSAGE TRANSMISSION BY TELEFAX

From <u>EPHP - LONDON</u>	To <u>EMNETU TESFAI</u>
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Date <u>04.11.88</u>	Number of pages <u>2</u>
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FOR THE ATTENTION OF EMNETU

COPY OF THE LETTER AS REQUESTED

Mr. Rolf Karlsen
Marine Department
Elektrisk Bureau A/S
1360 NESBRU
NORWAY.

Dear Mr. Karlsen,

Shortly after visiting you in your office with Dr. Bakke I went back to Eritrea to see how our programme is going. I had also the opportunity to discuss with the operators and the engineers the problems which surfaced there during the operation of Saturn T. I must admit at the outset that being a medical doctor, I am severely limited in my understanding of electronic terms. So you would be obliged to interpret this short note of a layman so that it makes some sense to your engineers.

The points which I was able to gather were the following:

1. Regarding the design, our engineers think that there is indeed a serious fault which has resulted in its final malfunction. This probably emanates from the over-insulation of the transmitter when allowed to operate while it is in the box. As you know the wall of the box consists of plywood, foam and aluminium sheet. Whatever heat produced by the transmitter is not allowed to dissipate but is forced to be kept inside by the insulation thus created. I had a first hand experience of this event. When switched on, after a short while the temperature becomes so high that you can almost boil water on it. To correct this, the operators first tried to use fans but this had very little effect on the temperature. Later on the whole set was removed from the box, and it was found that there was a dramatic decrease in the level of the temperature.
2. Standby. It is stated that one has to wait 30 minutes after switching on before setting up communications. But it often happens that soon after switching on incoming messages are communicated without any delay.
3. The functions of the buttons numbered 1,2,3,4, are not indicated.

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- 4. In the manual pages 28-29 there are tables of status and alarms but there is no indication on how to rectify this malfunction.
- 5. On the whole, the manual has many shortcomings. It is too short to be of any use to the person operating this equipment in the wilderness.
- 6. The telex machine seems to be rather of low standard, not compatible with the elegant design of the transmitter. The keyboard is too hard to operate and it has other defects.

I hope that these points will help you in making the necessary alterations in what is otherwise a remarkable communication equipment.

I understand that Dr. Bakke has already communicated to you that we intend to buy the rather robust Japanese Fax machine. We will also consider buying the computer communication systems that were demonstrated to us before in your office. I hope that you will grant us your usual assistance.

I will probably come to Norway before I return to Eritrea. I will be able to discuss these and other matters in greater detail then.

Thank you for your cooperation.

Sincerely yours

MP
Nerayo Teklemichael

Nerayo Teklemichael MD
Director

ERA-PHP

END