Dear Joshua - Many thanks for your note of 1/27/61
and 2/7 and 2/722 which arrived safely. It was very stupid
of me to have misplaced these notes and see our 1st transduction
at this late date. I gave up hope of finding them. I hope this
is our last move. Each succeeding one becomes more difficult.
just old age catching up with me, I suppose.

It was quite a coincidence that Trunc the hamster's the very
day upon which arrived. They were being shown around the
labatories by one of the lab staff. They seem very nice and
very cordial. I hope we can use them for a little
advice in the future.

As to your present work, we are faced with the
following anomalous identifications:

\[
\begin{align*}
1, 3, 19: & q, s, t \equiv Z_{27} \\
& qst \equiv Z_{37} \\
& qst \equiv Z_{45} \\
& qst \equiv Z_{46} \\
3, 10: & q, s, t \equiv Z_{37} \\
& qst \equiv Z_{45} \\
4, 12, 27: & qst \equiv Z_{43} \\
3, 23, 37: & Z_{37} \rightarrow Z_{37} \\
& d \equiv Z_{37} \\
& Z_{23} \rightarrow Z_{37} \\
& Z_{42} \rightarrow Z_{45} \\
& Z \rightarrow 1, w \rightarrow Z_{43} \\
3, 15: & q, s, t \equiv Z_{45} \\
& 3, k \leftrightarrow 12 \rightarrow Z_{27}
\end{align*}
\]

Arrows indicate
direction of variation
which can be accomplished
by these
Most of these variations
also have been observed
to occur spontaneously.

You can see that these forms pose an
intriguing problem. We intend to attack it their
transduction, but they for the lab now.
23, 37, 245, 245, and 246 apparently are not ordinary
phase 2 antigens and all this "one directional"
variation is something new.
I wish to explain (a word of office, remember!) that I have worked
fortnightly at it and in a little discouraged. I thought I'd let
them take a flog at some bad transductions with P7T 22
to prove to himself that transduction was not just a
figure of the imagination.

I hope to be able to talk to you about the monsters
outward ideas and perhaps dig some ideas out of
you.

Much kinder regards to you and Esther,

R.G.C.

Phil