

4th. February 1948.

Offprints "Subdivisions of the MN Blood Groups in Man" Sanger & Race
 "A New Human Iso-Agglutinin Subdividing the M-N Blood Groups" Welsh & Montgomery
 Filed with Offprints.

My dear Race,

Thanks for your letter about Dr. Pickles' data. She seems to have done the job very well.

The refitting is quite quick when it has been done once, and I now get estimates

	+	-	Total
M	.25585	.27863	.53448
N	.08113	.38439	.46552
Total	.33698	.66302	1.00000

These give a rather more normal proportion of M to N, than you had in the first 190, both of the Ms having gone up a trifle, and both the Ns down. The comparison with expectations is as follows

	Exp.	Obs.		
M+	120.6921	121.	.0008	
M-	44.9958	43.	.0885	
MN+	164.3819	164.	.0001	
MN-	124.2390	128.	.1139	
N+	39.9928	40.	.0000	
N-	<u>85.6983</u>	<u>84.</u>	<u>.0337</u>	
	579.9999	580.	.2370	χ^2
			2	n.

χ^2 seems smaller than ever.

Yours sincerely,