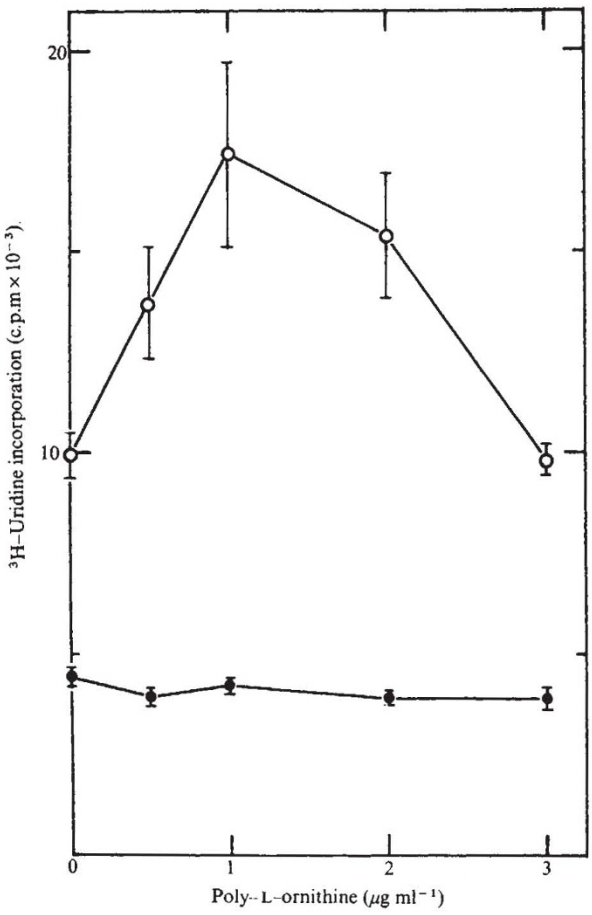

Fig. 4 Effect of poly-L-ornithine on the response of rat lymphocytes to PHA. O, In the presence of PHA (0.5 μg ml^{-1}); ●, control.

face charge of the lymphocyte is negative[19] but little is known about the net charge of individual glycoproteins of the lymphocyte membrane. Glycophorin is a glycoprotein isolated from red cell ghost which carries the receptors for the plant lectins PHA and wheat germ agglutinin and contains 60% carbohydrate and 25% sialic acid by weight[20,21]. If the lymphocyte receptors for con A and PHA were of a similar chemical nature, it might be expected that both neuraminidase treatment and polycations would facilitate their lectin-induced aggregation, by reducing charge repulsion. The enhancing effect of neuraminidase and basic polyamino acids on phytomitogens-induced transformation might also result from an increase in cell aggregation induced by either of these agents. Cell contact has been shown to increase mitogen-stimulation of lymphocytes[22]. Neuraminidase treatment has a marked effect also on some cellular properties of non-lymphoid cells[23,24]. It might be of interest to compare the effect of neuraminidase with that of polycations in a variety of biological systems. This approach might help to elucidate whether an observed effect induced by neuraminidase results primarily from a reduction in the surface charge or results from exposure of new sites on the cell membrane.

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Received April 10; revised May 29, 1974.

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Erratum

IN the article "Dynamic evidence on massive coronas of galaxies" by J. Einasto, A. Kaasik and E. Saar (*Nature*, **250**, 309; 1974) Tables 1 and 2 were inadvertently omitted.

Table 1 Parameters of galactic populations (individual galaxies)

Galaxy	L_s (10^{10} $L\odot$)	M_s (10^{10} $M\odot$)	M_c (10^{10} $M\odot$)	R_{cc} (kpc)	$-\log \rho_c$ (g cm^{-3})
NGC224	2.0	17	> 35	> 14	24.58
NGC300	0.45	2.0	> 2.9	> 6	24.60
NGC598	0.32	1.5	> 2.8	> 6	24.54
NGC3031	1.8	12	> 21	> 11	24.52
IC342	4.9	12	> 34	> 13	24.55

Table 2 Parameters of galactic populations (pairs of galaxies)

Type of primary galaxy	$\langle L_s \rangle$ (10^{10} $L\odot$)	$\langle M_s \rangle$ (10^{10} $M\odot$)	$\langle M_c \rangle$ (10^{10} $M\odot$)	$\langle R_{cc} \rangle$ (kpc)	No. of pairs
Spiral (intermediate)	3.8	38	350	25	33
Spiral (bright)	15	150	1,600	47	32
Elliptical	12	250	⩾1,500	⩾46	40