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Dear Bill:

Under separate cover I am sending you for deposit in the FGSC 16 ure strains of N. crassa that were isolated and described by Haysman and Howe (Can. J. Genet. Cytol. 13:256-269, 1971) and by Benson and Howe (Molec. Gen. Genet. 65:277-282, 1978).

I suggest herewith the use of two ure categories that, if adopted, would slightly modify the single category that the FGSC now uses for ure strains in the Newsletter stock list. Under Urease I suggest listing those strains lacking detectable urease activity in vitro; under Urease Defective, those strains having partial urease activity in vitro but which are nevertheless readily scorable as mutant by poor growth on urea as sole nitrogen source. The following listing shows strain relationships (Kolmark's alleles 9 and 47 that are already in the FGSC were tested in vitro by us and were found to belong in the Urease category):

UREASE

<u>Locus</u>	<u>Alleles</u>	<u>LG</u>
<u>ure-1</u>	D1, D2, D3, D23	VR
<u>ure-2</u>	D74, W2	VR
<u>ure-3</u>	B1, F29 (not being sent; see below)	IIR
<u>ure-4</u>	C21, E12, 601	IR

UREASE DEFECTIVE

<u>Locus</u>	<u>Alleles</u>	<u>LG</u>
<u>ure</u>	A7	V
<u>ure</u>	C5	?
<u>ure</u>	E3	?
<u>ure</u>	E7	?
<u>ure</u>	K3	?
<u>ure</u>	R2	?
<u>ure</u>	S3	V