Alison Ramage
A.Ramage@strath.ac.uk

Gene-tic Algorithm **by Dirk Laurie**

1 D	E	2 M	O	3 O	R	■	■	4 V	A	5 N	L	6 O	A	7 N
A	■	E	■	V	■	8 M	■	A	■	O	■	V	■	A
9 T	O	U	H	A	M	I	■	10 L	A	R	G	E	S	T
A	■	R	■	L	■	L	■	U	■	M	■	R	■	U
11 S	I	A	M	■	12 S	A	M	E	H	■	13 S	T	A	R
E	■	N	■	14 B	■	N	■	■	■	15 A	■	O	■	E
16 T	O	T	A	L	■	17 F	A	18 H	L	B	A	N	D	■
S	■	■	■	O	■	A	■	O	■	A	■	■	■	19 A
■	20 S	21 P	E	C	T	R	U	M	■	22 C	R	23 A	M	P
24 K	■	R	■	K	■	■	■	O	■	I	■	N	■	P
25 I	C	O	N	■	26 A	27 B	A	T	E	■	28 D	O	R	R
R	■	C	■	29 L	■	O	■	O	■	30 F	■	N	■	O
31 S	P	E	C	I	A	L	■	32 P	E	R	E	Y	R	A
C	■	S	■	A	■	E	■	Y	■	E	■	M	■	C
33 H	I	S	T	O	R	Y	■	■	34 W	E	L	S	C	H

The answers come in three classes of twelve each, specified by the letter, if any, appearing before its length indication. The absence of a letter indicates a normal cryptic clue. The clues tagged with an A lack the customary definition part, their common definition being "surname of an author whose Golub number is 1". The clues tagged with a W consist of just one word, which is either the previous or the next word to the answer (except for trivial particles like 'the', 'of', etc.) in the title of a paper authored or co-authored by Gene Golub.

Punctuation may be misleading. The compiler consulted *The Chambers Dictionary* (1993) for English and MathSciNet for a list of MR reviews of papers by Gene Golub.

ACROSS

1 Protest logical union (A6, two words)
4 Confused 3 with not-a-number (A7, two words)
9 Time to act crudely in French? Yes (A7)
10 Singular (W7)
11 Numerical analysts etc in old Asian country (4)
12 Unchanged step size (A5)
13 Give leading role to left-leaning renegades (4)
16 Least (W5)
17 Component of rock half ruined by pop group (8)
20 Modified (W8)
22 Spasm making a hundred dash about wildly (5)
25 One survey establishing Gene Golub's stature in numerical analysis (4)
26 Ecstasy after one club opening to subside (5)
28 Entrance by sound (A4)
31 Matrix (W7)
32 Before coming in, pray fervently (A7)
33 Conjugate (W7)
34 Fail to pay in hearing (A6)

DOWN

1 Files organized as stated (8, two words)
2 Originally magnificent 7 galloping around (A7)
3 John is back after round, but not a perfect one (4)
4 Decomposition (W5)
5 Error (W4)
6 More than a century (A7)
7 Being kind in a British journal (6)
8 Italian city? Not close (A8)
14 Diagonal (W5)
15 Primitive computers, one in alphabet, one after (5)
18 Method (W8)
19 Perturbation (W8)
21 Nonlinear (W7)
23 Unknown persons soon release one from tubers (7)
24 A drink at Oberwolfach, and more drinks close to Switzerland (6)
27 The old high ball is tossed up (A5)
29 Article in spouter! (A4)
30 Multiple (W4)