

Another interesting aspect of these new tests is that there are only two large discrepancies in all of the groups. These are for the 11 or more groups in the classification by number of objects per sighting and for the over-400-mph and meteor-like group for the classification by speed. The first was relatively unchanged by deletion of the astronomical sightings principally because of the concentration of sightings in the single-object category. The second was slightly increased by the removal of the astronomical sightings from the meteor-like classification. However, the main discrepancy, that of the excess of UNKNOWNNS in the over-400-mph class, was little changed.

The results of these tests are inconclusive since they neither confirm nor deny that the UNKNOWNNS are primarily unidentified KNOWNNS, although they do indicate that relatively few of the UNKNOWNNS are actually astronomical phenomena.

It was decided that this process would not be carried to its logical conclusion (that is, the determination of a linear combination of KNOWNNS that would give a negligible chi square when compared with the UNKNOWNNS), since it was felt that the inaccuracies in the reports would give a distorted and meaningless result.

TABLE II CHI SQUARE TEST OF KNOWNNS VERSUS UNKNOWNNS ON THE BASIS OF COLOR

Color	Number of KNOWNNS	Adjusted Number of KNOWNNS (K)	Number of UNKNOWNNS (n)	$\frac{\chi^2}{K}$ $\frac{(K-n)^2}{K}$
White	405	100	112	1.44
Metallic	313	77	76	0.01
Not stated	209	51	62	2.37
Orange	172	42	49	1.17
Red	146	36	33	0.25
Yellow	128	31	31	0
Green	130	32	14	10.13
Blue	67	17	26	4.76
Other	195	48	31	6.02
Total	1765	434	434	26.15

Degrees of freedom

8

5%

15.5

1%

20.1

TABLE III CHI SQUARE TEST OF KNOWNNS VERSUS UNKNOWNNS ON THE BASIS OF NUMBER

Number of Objects Per Sighting	Number of KNOWNNS	Adjusted Number of KNOWNNS (K)	Number of UNKNOWNNS (n)	$\frac{\chi^2}{K}$ $\frac{(K-n)^2}{K}$
1	1339	329	297	3.11
2	159	39	37	0.10
3-10	185	46	70	12.52
11 or more	41	10	25	22.50
Not stated	41	10	5	2.50
Total	1765	434	434	40.73

Degrees of freedom

4

5%

9.5

1%

13.3