APRIL 15, 1990

The Meteoritical Bulletin

INFORMATION REQUIRED FOR A NEW METEORITE

Proposed name of meteorite: Maralinga FIND **Fall or Find**

Note: Meteorites can be named after any permanent landmarks (*e.g.*, towns, brooks, sinkholes, etc.). Please list the type of feature used for this meteorite name (provide map, if possible): Map attached

Fall date and local time, or find date: 1974, Recognized February 1989

Nearest town or village: Maralinga **County:**

State: South Australia **Country:** Australia

Geographical Coordinates: 30 • 18 . South' **N or S** 131 • 16 . East ' **E or W**

Total recovered mass: 3.38 kg

Number of individual objects recovered and their masses: One

Circumstances of recovery of fall or find (*e.g.*, found during ploughing by Alex Brown, or recovered by Alice Green after a sonic boom was heard): Discovered by a prospector crossing a sandy ridge.

Nature of recovery site: (*e.g.*, rice paddy; forest; grain field; house): Sandy ridge.

Classification: (*e.g.*, H5 chondrite; eucrite; IIIAB iron): C5

Name of person who classified meteorite: Dr. Carleton B. Moore

Name and address of institution where the section or sample used for classification has been deposited:

Center for Meteorite Studies
Arizona State University
Tempe, Arizona 85258 USA

Name and address(es) of institution(s) where most material is now located:

Key classificational information (*e.g.*, FeO/(FeO + MgO) in olivine for a chondrite; concentrations of Ni and Ga for an iron):

Fa. 32.9 to 34.6 Average 33.4

Name of analyst: J. Clark
Arizona State University

Remarks on any unusual mineralogical, chemical or physical properties: Metal oxidized to magnetite
Nickel content of olivine 0.5 weight percent
Total Carbon 0.26

If the meteorite is a find, has another meteorite with the same classification been recovered within a distance of 25 km? If yes, summarize the evidence that the new meteorite is not paired with the one recovered previously: No

Name and address of person who filled out this form: David New
P. O. Box 278
Anacortes, Washington 98221 USA

If there is insufficient space for your report in any of the above sections, please use the back of this form or a separate sheet.

Mail to:

Dr. Frank Wlotzka, Editor of Meteoritical Bulletin
Max-Planck-Institut für Chemie
Saarstrasse 23, Postfach 3060
D-6500 Mainz
Federal Republic of Germany

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