

THE METEORITICAL BULLETIN

THE PERMANENT COMMISSION ON METEORITES OF THE INTERNATIONAL
GEOLOGICAL CONGRESS

No. 8

A P R I L, 1958

Moscow, USSR

THE TWIN CITY IRON METEORITE

Name: T W I N C I T Y.

The place of fall or discovery:

15 km east of Twin City, Emanuel County,
Georgia, U.S.A.; $\varphi = 32^{\circ} 35' N$; $\lambda = 82^{\circ} 01' W$.

Date of fall or discovery:

F O U N D, 1955.

Class and type: iron; nickel-rich ataxite.

The number of separate specimens:
one fragment.

Total weight: preserved 5.13 kg.

The circumstances of fall or discovery:

The meteorite was picked up at the time the scraping of the road. It was considerably weathered. The meteorite was found to consist of large pieces—"grains". A preliminary chemical analysis shows that this meteorite contains 29.91 percent Ni and 0.51 percent Co. The sulphur and phosphorus is 0.046 and 0.34 percent respectively. Chemically this meteorite is similar to the Lime Creek meteorite which contained 31.06 percent Ni.

The main mass of the Twin City meteorite is preserved in the collections of Department of Mines, Mining and Geology, of Atlanta.

Source:

The paper: E.P. Henderson and A.S. Furcron. "Meteorites in Georgia". Georgia Mineral Newsletter, published by the Georgia Geological Survey. Vol. X, No. 4, 1957, 137-141.

T H E L I S T No. 3

OF THE METEORITES OF DIFFERENT COUNTRIES WHICH ARE NOT INCLUDED
IN THE CATALOGUE OF METEORITES OF PRIOR-HEY, 1953. (alphabetic
order)

1. A A R H U S, Denmark. Stone.

L i t e r a t u r e : 1. Nord. Astron. Tidsskr. 1951, p. 150.
1-3. not recorded
2. Meddel. Dansk. Geol. For. 1952, v. 12, 284-297. Reprints: Mus. Min. Geol. Univ. Copenhagen Missell No 16.
3. Nord. Astron. Tidsskr. 1953, No 2, p. 56-68.
4. Meddelelser fra Ole Roemer Obs. 1 Aarnus. 1953, No. 23, 305-336.

^E
x 2. A B B E, Alberta, Canada. Stone,

*write Binord
no lake*
L i t e r a t u r e : 1. P. M. Millman. Catalogue of Canadian Meteorites. The Journal of the Royal Astr. Soc. of Canada. 1953, v. 47, No 1, 29-33.
/MA-12-358/.

✓ 3. A L B E R T A, Belgian Congo, Africa. Stone.

L i t e r a t u r e : 1. Bull. Serv. Geol. Congo belge et Ruanda-Urundi. 1954, No. 5, 29-51. /MA-12-611/.

✓ 4. A M B E R, Oklahoma, U.S.A. Stone.

L i t e r a t u r e : 1. Publ. Astron. Soc., Pacif., 1956, 68, n405, 547-549.
2. Meteoritics. 1956, v. 1, No 4, 490-491.

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5. B A S E D O W R A N G E, ? Stone.

write Binord
L i t e r a t u r e : 1. Geochim. et Cosmochim. Acta, 1957, v. 11, No 4, 263-278, в литературе не описан.

✓ 6. B E L L Y R I V E R, Alberta, Canada. Stone.

L i t e r a t u r e : 1. Journ. Roy. Astron. Soc. Canada. 1953, v. 47, 29-33; 92-94; 162-165; /MA-12-358/.
2. Meteoritics. 1953, v. 1, No. 1, 106-108
/MA-12-358/.

7. BOAZ, Alabama, U. S. A.
Literature: 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World. 1956, p. 8.
8. BOELUS, Nebraska, U. S. A. Stone.
Literature: 1. U. S. Nat. Mus., Annual Report, 1942, p. 56.
2. The American Mineralogist. Sept.-Oct. 1955, v. 40, No. 9, 10, p. 937.
9. CAPLAND, S. Africa. Stone.
Literature: 1. L. Tokody. Meteorite-Collections in Hungary, 1951.
10. CASHION, Oklahoma, U. S. A. Stone.
Literature: 1. Earth Sci. Digest. Chicago. 1953, v. 7, N3, pp. 20-21. /MA-12-360/.
2. F. Leonard. A Classificational Catalog of the meteoritic falls of the World. 1956, p. 8.
11. CHICO, New Mexico, U. S. A. Stone.
Literature: 1. Meteoritics, 1954, v. 1, No. 2, pp. 182-184.
12. COMANCHE, Texas, U. S. A.
Literature: 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.
13. DAOURA, Algeria, Africa. Stone.
Literature: 1. Compt. Rend. Soc. Geolog. France, 1953, pp. 47-49. /MA-12-610/.
Hamada Daoura - hold for book
14. DAYTON, Ohio, U. S. A. Iron.
Literature: 1. Geochim. et Cosmochim. Acta, 1954, v. 6, No. 5/6, p. 221.
15. DUMAS, Texas, U. S. A. Stone.
Literature: 1. Meteoritics, 1956, v. 1, No. 4, pp. 470-476. /MA-13-362/.

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✓ 16. EL SIMBOLAR, Argentina.

L i t e r a t u r e : 1. Bol. Fac. Cienc. Univ. Nac. Cordoba, Argentina, 1955, v. 2, No 3-4, pp. 79-89. /MA-11-255/.

✓ 2. Publ. Museo Mineral. Geol. Facultad de Sci. Sci. Ex. Fix. Nat. 1940, 3-13.

4. The Americ. Mineralogist, Sept.-Oct. 1955, v. 40, No. 9, 10, p. 937.

✓ 17. GAIL, Texas, U. S. A. ?

L i t e r a t u r e : 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

✓ 18. GALIM, Cameroon, Africa. Stone.

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L i t e r a t u r e : 1. Compt. Rend. Acad. Sci., Paris, 1953, v. 237, pp. 1740-1742 /MA-12-610/.

2. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

✓ 19. GIROUX, Manitoba, Canada. ?

L i t e r a t u r e : 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

✓ 20. GUIDDER, Cameroon, Africa. Stone.

L i t e r a t u r e : 1. Geochim. et Cosmochim. Acta, 1953, v. 4, N. 1/2, pp. 83-88 /MA-12-252/.

✓ 21. HAVEN, Kansas, U. S. A. Stone.

L i t e r a t u r e : 1. Publ. Museo Mineral. Geol. Facultad de Sci. Ex. Fix. Nat., 1940, 3-13 .

2. Earth Science Digest, Omega Neb., 1952, v. 6, No. 2, pp. 33-34 /MA-12-254- /.

3. The American Mineralogist. Sept.-Oct. 1955, v. 40, No 9, 10, p. 937.

✓ 22. HESSTON, Kansas, U. S. A. ?

L i t e r a t u r e : 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

23. H O B D O, Mongolia. Stone.
Literature: 1. Meteoritica. Acad. Sci. USSR, 1954, No. 11, pp. 81-88/MA-13-52/.

24. H O L M A N I S L A N D, Victoria, Canada. Stone.
Literature: 1. Journ. Roy. Astron. Soc. Canada, 1953, v. 47, No. 1, p. 29 /MA-12-358/.

25. I D J U T Y W A, Africa. Stone.
Literature: 1. S. Afric. J. Sci., 1956, 53, N3, pp. 73-74 /MA-13-361/.

26. I S O U L A N E - n - A M A H A R, Africa. Stone.
Literature: 1. C. R. Acad. Sci., 1956, 242, No. 19, 2369-2372. /MA-13-361/.

27. K A L A B A, (K A B A L A), Belgian Congo, Africa. Stone.
Literature: 1. Publ. Com. Spe's. Katanga 1952-1953 (1954) A-17, No. 3, 79-91.
2. Bull. Serv. Geol. Congo. Belge et Ruanda-Urundi, 1954, No. 5, pp. 29-51/MA-12-611/
3. Ann. Serv. Mines. Geogr. Geol. Katanga, 1954, v. 17 (for 1952-53) pp. 79-88.
4. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

28. K E E N M T, Virginia, U. S. A. Iron.
Literature: 1. Geochim. et Cosmochim. Acta, 1954, v. 6, p. 227.

29. K O C H I, Japan. Stone.
Literature: 1. Natural Science and Museums. Tokyo, 1953, v. 20, No. 3-4, pp. 32-34. /MA-12-611/
2. Meteoritics, 1955, v. 1, No. 3, pp. 300-305, /MA-13-80-81/
3. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8.

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30. K U G A, Japan. Iron.

L i t e r a t u r e : 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p. 8. /MA-13-80/.

31. L A K E M U R R A Y, Oklahoma, U. S. A. Iron.

L i t e r a t u r e : 1. Meteoritics, 1953, v. 1, No. 1, pp. 109-113 /MA-12-359/.

32. L O E R B E E K, Holland. Stone.

L i t e r a t u r e : 1. De Meteore, 1954, v. 10, No. 1 (maart).
We do not have card

33. L O R E T O, Mexico, Iron.

L i t e r a t u r e : 1. Geochim. et Cosmochim. Acta, 1954, v. 6, No. 5/6.
2. Meteoritics, 1956, v. 1, No. 4, p. 477 /MA-13-362/.

34. M A R L O W, Oklahoma, U. S. A. Stone.

L i t e r a t u r e : 1. Meteoritics, 1954, v. 1, No. 2, p. 185-186 /MA-13-53/.

We don't have card

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2. Sky and Telescope, 1955, v. 14, No. 5, p. 191.

35. M I K M O T O J I M A, Japan. Iron.

L i t e r a t u r e : 1. Sci. Ichogama Nat. Univ., 1952, Sec. 2, No. 1.
2. The American Mineralogist, Sept.-Oct., 1955, v. 40, no. 9, 10, p. 937.

see literature

36. M I L L E R, Kansas, U. S. A. Stone.

L i t e r a t u r e : 1. Earth Science Digest, Omaha, Neb., 1953, v. 6, No. 6, p. 29-30. /MA-12-253/.

37. M O N T E S D A S P O R T E S, Portugal. Stone.

L i t e r a t u r e : 1. Comun. Serv. Geol. Portugal, 1954, v. 35, No. 24. /MA-12-609/.

38. MURRAY, Kentucky, U. S. A. Stone.
Literature: 1. Meteoritics, 1953, v.1, No.1, pp.114-121. /MA-12-359/.
2. Sky and Telescope, 1954, v.13, No.4, pp.112-113.
3. Meteoritics, 1954, v.1, No.2, pp.247-258. /MA-13-53/ /MA-13-357/.
39. NEENACH, California, U. S. A. Stone.
Literature: 1. Griffith Observer (Griffith Observatory) Los Angeles, 1953, v.17, pp.80-82. /MA-12-253/.
2. Meteoritics, 1953, v.1, No.1, p.28. /MA-12-360/.
- OK
40. NIHQ, Japan, Stone.
Literature: 1. Nat. Sci. Mus. Tokyo, 1953, v.20, No.10-12, pp.129-154. /MA-13-80/.
Met lit - see file NID
41. NOEN, Mongolia. Stone.
Literature: 1. Meteoritica, Acad. Sci. USSR, 1954, issue XI, pp.81-88 /MA-13-52/.
42. NUEVO LAREDO, Mexico. Stone.
Literature: 1. Geochim. et Cosmochim. Acta, 1955, v.7, No.3/4, p.151 /MA-12-606/.
43. OBORNIAK, Poland. Iron.
Literature: 1. Acta Geologica Polonica, 1955, v.8, pp.427-438. /MA-13-79/.
44. OTTSJÖ, Sweden. Iron.
Literature: 1. Populär Astronomisk Tidskrift, 1951, No.1-2, p.63. /MA-12-356/.
2. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p.8.
45. PATRIMONIO, Brazil.
Literature: 1. F. Leonard. A Classificational Catalog of the meteoritic falls of the World, 1956, p.8.

✓ 46. PIERCEVILLE, ~~Missouri~~ - U. S. A. Iron.

L i t e r a t u r e: 1. Trans. Kansas Acad. Sci., 1953, 56, No. 2,
255-256.

✓ 47. PINTO MOUNTAINS, California, U. S. A. Stone.

L i t e r a t u r e: 1. Meteoritics, 1955, v. 1, No. 3, p. 295.
/MA-13-82/.

48. PIRAPORA, Brazil. ?

L i t e r a t u r e: 1. F. Leonard. A Classificational Catalog
no card of the meteoritic falls of the World,
1956, p. 8.

49. PULTER, Spain.

L i t e r a t u r e: 1. Rev. industr., 1956, 11, No. 219, 196.
no card

50. RATUN, Poland. Stone.

L i t e r a t u r e: 1. Urania (Krakow), 1955, 26, No. 6, /MA-13-
79, 80/, 165-172.

2. Acta Geologica Polonica. Nanbitka-Ext-
rait-Warszawa, 1955, v. 3, pp. 427-438.
/MA-13-79/.

3. Acta Geophys. Polon., 1956, 4, No. 1, pp. 21-
32.

✓ 51. RICHLAND, Texas. U. S. A. Iron.

L i t e r a t u r e: 1. F. Leonard. A Classificational Catalog
of the meteoritic falls of the World,
1956, p. 8.

2. /MA-13-362/.

✓ 52. SASAGASE, Japan. Stone.

L i t e r a t u r e: 1. Nat. Sci. Mus. Tokyo, 1953, v. 2, No. 10-12,
p. 129. /MA-13-80/.

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② 2. Tommon Socho, 1955, 9, No. 97.

✓ 53. SYLACAUGA, Alabama, U. S. A. Stone.

L i t e r a t u r e: 1. Meteoritics, 1954, v. 1, No. 2, pp. 125-132.
/MA-13-52/.

2. Engenharia, miner. e metalurgia, 1954,
20, No. 120, p. 310.

3. Sky and Telescope, January, 1955,
v. XIV, No. 3.

- ✓ 54. SWIDNICA GORNA, Poland. Stone.
Literature: 1. Urania (Warszawa), 1955, 26, No. 6, pp. 165-172. /MA-13-79/.
2. Acta Geologica Polonica, Nadbitka-Extrait-Warszawa, 1955, v. 7, pp. 427-438.
3. Acta Geophys. Polon., 1956, v. 4, No. 1, pp. 21-32.
- ✓ 55. TAMBO QUEMADO, Peru. Iron.
Literature: 1. Bol. Inst. Nac. Invest. y Fomento Mineros, Peru, 1950, v. 1, No. 1, pp. 141-148. /MA-12-361/ /MA-12-612/.
- ✓ 56. UGANDA, Uganda, Africa. *Acta in reg. Maziba (Soroti meteorite)*
Literature: 1. Uganda J., 11, 42-46, Uganda.
- ✓ 57. VERA, Argentine. Stone.
Literature: 1. Rev. Minera. Geol. Mineral., Soc. Argentina Minería y Geol., 1953, v. 21, pp. 29-32. /MA-12-612/.
- ✓ 58. WEDDERBURN, Victoria, Australia. Iron.
Literature: 1. Proc. Roy. Soc. Victoria, 1953, v. 64, pp. 73-76. /MA-12-255/.
- ✓ 59. YAMBÓ, Belgian Congo, Africa. Stone.
Literature: 1. Bull. Serv. Géol. Congo Belge et Ruanda-Urundi, 1954, No. 5, pp. 29-51. /MA-12-611/.
- ✓ 60. ZAI SHO, Japan. Ironstone; pallasite.
Literature: 1. Nat. Sci. Mus. Tokyo, 1953, v. 20, No. 10-12, pp. 129, 154. /MA-13-80/.

This list of the meteorites was prepared by Dr. L. J. Spencer (London, England) and supplemented by M. J. Diakonova, a scientific worker of the Committee on Meteorites of the Academy of Sciences of the USSR.

E. L. K r i n o v,

Vice-President of the Permanent Commission on Meteorites of the International Geological Congress.