

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

---

Papers in the Earth and Atmospheric Sciences

Earth and Atmospheric Sciences, Department  
of

---

1890

## The Winnebago County (Iowa) Meteorites [ Part 2 ]

Joseph Torrey Jr  
*Grinnell College*

Erwin Hinckley Barbour  
*University of Nebraska-Lincoln*

Follow this and additional works at: <https://digitalcommons.unl.edu/geosciencefacpub>



Part of the [Earth Sciences Commons](#)

---

Torrey, Joseph Jr and Barbour, Erwin Hinckley, "The Winnebago County (Iowa) Meteorites [ Part 2 ]" (1890). *Papers in the Earth and Atmospheric Sciences*. 342.  
<https://digitalcommons.unl.edu/geosciencefacpub/342>

This Article is brought to you for free and open access by the Earth and Atmospheric Sciences, Department of at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Papers in the Earth and Atmospheric Sciences by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

**The Winnebago County (Iowa) Meteorites.**

A FRAGMENT of the 104-pound "meteorite" found in the northern part of Kossuth County has been examined by us, and we are perfectly well satisfied that it is not of meteoric origin at all. In outward appearance it is suspicious at first sight. The color is darker than that of the other pieces. There is no distinct crust, and no metal present. The gravity taken on a piece weighing about half a gram was 2.88, which is nearly a unit lower than that of the well-established specimens. Under the microscope the crushed mineral shows by reflected light a mass of colorless, transparent particles mingled with dark green particles resembling pyroxene. The analyses given below, together with the appearance of the chip furnished us, strongly suggest diorite or some closely allied rock.

Silica.....	71.68
Oxides of iron and aluminum .....	14.89
Lime.....	6.80
Magnesia.....	—
Soda.....	5.55
Water.....	1.68
	100.00
Total.....	100.00

Some circumstances connected with the finding of this piece have made us slightly suspicious from the first, and such examination as we have given thus far seems to be conclusive.

JOSEPH TORREY, JR.  
ERWIN H. BARBOUR,

Iowa College, Grinnell, Io., May 24.