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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

J. J. Blaine

New York.

301
 Gerard E. Smith (1804-1881)
 Botanist

My dear Sir,

Many thanks for your very kind & interesting note. I am glad to comply with your request respecting the fossil species of this bay etc; but I have gone no farther than to give you specimens of such as I can decidedly or probably name, nor have I given you good shells: that your researches might have full scope. I believe you have some lenticulites, (this name pro temp:), & also some of the  which I suppose are madropores. But to amuse you, I have sent two masses.

Since I had the pleasure of conversing with you, the accessions to the Catalogue have been few. *Scalania* from the London Clay is the last & the most interesting. I have succeeded in obtaining a *Fissurella*? with the interior appendages. There is an Ironstone stratum of the T. Water containing a bivalve not elsewhere found; abundance of them may be seen in the masses at Graves's door. I have sent a *Lymnaea* which is more ventricose than the *longiscata* & which for the present are with call media. These *Lymnaea* form a series . The freshwater shell occurring in the upper beds of the upper T. F., with the seeds, has occurred upon Headen in a porcellanic mass of brown clay. Graves cannot find Webster's second course of pebbles in the sands of Alms Bay. He placed it after the 2nd coal. Graves finds two in the variegated sands succeeding the 1st coal. These with that succeeding (South) the London Clay, make three courses.

Course 1. Large rolled flints.
 — 2. Kidney flints.
 — 3. small fragments.

Course 1. 1st coal 2. 3. 2nd coal W's

London Clay

I have great hopes of searching myself for myself, in the next spring. Could you then join me here, I think much more might be done. - I have formed a Catalogue with figures: and when the collection has been compared & illustrated, for there is much to be made out, - and the new species named, I will send you a printed Catalogue or rather the Elements of a Catalogue, to which I humbly request your additions & corrections. The manuscript will be in Francis's hands: so that, whenever you visit the Bay, you will have reference to a Catalogue & figures of the rarer species. But I will send you specimens of those, upon which "I doubt": or at least figures, craving pardon for exporting Coals to Newcastle.

My Brother who has been with me two days, & who accompanies me to Hyerington, picked up on the shore, between the London clay & the coal, a brown calcareous sandstone with Pectenuli of the upper Marine beds at Bognor. This is a great proof of identity: & if new, is as interesting a fact as any which has come under notice.

Requesting you will communicate with me, I remain, devoted to the Institution of local Museums, in which I never expect or will receive any but personal thanks for performing the duty of a brother Geologist.

Yours sincerely obliged

Edwin Smith

Tuesday. Nov. 21st.

Will you give my compliments to the lady & my best wishes & assurances: & inform Mr. Murell that I have a portion of bone, from Brooke, similar in cellular structure to his mass, & appearing to me part of the bone of a turtle's paddle. Are you aware of the occurrence of bones in

the Iron sand? of Compton Bay? an enquiry for the
Institution. I believe I informed you of the large
bone which I found lying on the shore beneath the
lowest beds of Sandown Bay.



Bones in Iron sand of Compton Bay -

What other shells - Ah Ardeton like numerous

Cleynonites on Newcomb Down

Have my doubts about the fossil bone because of the apparent absence of
canelli -