

S.E.Krewer
120 W 70 St. Apt. 9 D
New York City
Endicott 2-1115

July 17, 1939

SPECIAL DELIVERY

Dr. Leo Szilard
Kingscrown Hotel
New York City

Sehr geehrter Herr Dr. Szilard:

Anbei der Brief von den Vertretern von Speer-Carbon Co., den ich versehentlich statt Ihrer erhielt. Da daraus keine besonderen interessanten Einzelheiten hervorgehen, ausser dem Nichtvorhandensein der Hydrocarbons und N_2 , habe ich dies sofort Herrn R.S. Purvis mitgeteilt, der daraufhin sofort erneut Anfragen ueber Genauigkeit des Reinheitsgrades, besonders in bezug auf kleinere Platten und auf die inzwischen aufindig gemachten "Anoden" (blaues Heft der Speer-Co. gegen Ende...) gestellt hat. Er erklaert die mageren Auskuenfte mit der Kuerze der Zeit, die fuer die Antwort zur Verfuegung stand und schlug vor, evtl. persoendlich mit der Fabrik zu verhandeln. Der verantwortliche Mann dafuer im Speer-Carbon Werk in St. Marys, Pa. ist Mr. A. Kaul. Fahrpreis dorthin im Coach return-ticket betraegt \$ 16.45, Fahrzeit etwa 9 Stunden. Herr Purvis waere in der Lage ein Abendgespraech mit Herrn Kaul zu arrangieren, Preis 60 ¢ fuer 3', sonst 95 ¢.

Ihr sehr ergebener

S. Krewer

ESTABLISHED 1893
INCORPORATED 1909

CHAS. E. CHAPIN COMPANY

MOTOR AND GENERATOR BRUSHES
ELECTRICAL INSULATION
METAL STAMPINGS AND ASSEMBLIES

NEW YORK, July 17, 1939

Bardley 7 9257

Mr. S. E. Krewer
120 West 70th Street
New York, N. Y.

Dear Mr. Krewer:

In line with our recent conversation we have received a report from St. Marys and we are in a position to supply you with 18" diameter graphite electrodes of sufficient length from which you can cut segments to make the required three feet diameter sphere. This material would have a density of approximately 1.53 - 1.55 and would have a purity of approximately 99.5% with a porosity of about 25% - 28%.

On the other hand should you desire material of slightly higher density and would allow us to cut out the segments roughly, it is possible that we could produce a density of approximately 1.65. The lower density material would be sold for approximately 12¢ per pound, while the higher density material, depending upon your specifications, would carry a price of between 25¢ and 30¢ per pound.

Finally, if you so desire, we could complete the entire operation for you, machining to size and pinning the segments together, but, of course, this would require considerable expenditure for labor and finishing, and a quotation would have to be worked out if you would have us do the complete job.

The Laboratory has advised us that none of the material would have any hydro-carbon or nitrogen except the nitrogen which is found in any air which might be in the material.

A typical ash sample of our material shows the following:

Magnesium as MgO	1.7%
Iron as Fe ₂ O ₃	32.4
Silicon as SiC ₂	31.6

St. Marys PA.

16.45

6/17/39

*7⁰⁰ St.
x Ok
x Hann*

4.52

July 17, 1939

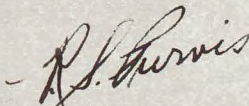
Spectrographic analysis shows the following elements present in the ash:

Fe -- S	S -- strong
Mg -- M	M -- medium
Al -- S	W -- weak
Ba -- T	T -- trace
B -- W	
Ca -- S	
Cu -- M	
Mn -- W	
Mo -- T	
Ni -- W	
Si -- S	
Ag -- T	
Sr -- W	
Ti -- S	
U -- S	
Zr -- M	

We hope this information will be of help to you, but should there be anything additional that you need, please call on us.

Yours very truly

CHAS. E. CHAPIN COMPANY



R. S. Purvis/wab

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CHAS. E. CHAPIN COMPANY

MOTOR AND GENERATOR BRUSHES
ELECTRICAL INSULATION
METAL STAMPINGS AND ASSEMBLIES

NEW YORK, August 5, 1939

Dr. L. Szilard
King's Crown Hotel
420 West 116th St.
New York, N. Y.

Dear Dr. Szilard:

Mr. S. E. Krewer has requested us to write you regarding the graphite sphere which you are interested in.

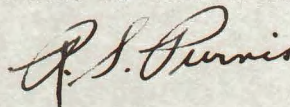
We are, therefore, pleased to give you the following information.

We can supply three 36" diameter by 13" long graphite plugs sufficient to make up this sphere for \$750.00 per set of three. These blocks will not be machined in any way. If you desire machined faces, the price will be \$850.00 per set. These prices are F. O. B. Niagara Falls and are subject to terms of Net 10th Prox. We can make delivery 20 to 22 weeks after receipt of order. In addition either price will require a deposit of \$600.00 to cover die cost at the time the order is placed, which sum will be returned to you upon receipt of orders totaling 100,000 pounds of this material.

The prices quoted above are net and do not cover any machining or material for doweling and pinning the blocks together.

Yours very truly

CHAS. E. CHAPIN COMPANY



R. S. Purvis/wab



EASTERN DISTRIBUTORS SPEER CARBON PRODUCTS

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CHAS. E. CHAPIN COMPANY

MOTOR AND GENERATOR BRUSHES
ELECTRICAL INSULATION
METAL STAMPINGS AND ASSEMBLIES

*Speer Carbon Co.
St. Marys, PA.*

NEW YORK, August 14, 1939

Mr. S. E. Krewer
120 West 70th St.
New York, N. Y.

Dear Mr. Krewer:

Confirming our telephone conversation with you this morning we finally have received a quotation and information with regard to the graphite electrodes we have discussed with you from time to time.

We have been advised by St. Marys that they can supply from stock electrodes 18 x 6-1/4 x 1-1/4 with a width and thickness limit of plus and minus 2% and minus .000 plus 2% on the length and a straightness variation of 1/16 measured arc to chord. This material will have a minimum purity of 99.5% and a gravity of 1.55 minimum.

The price will be \$15.13 per hundred pounds boxed, F. O. B. Niagara Falls. Shipment can be made within one week after receipt of your order. Terms: Net 10th Prox.

Inasmuch as this material is in stock it is offered subject to prior sale.

Trusting we may have the pleasure of hearing further from you, we are

Yours very truly

CHAS. E. CHAPIN COMPANY

*approved above V.O.S.
on Oct 3. - 39. L.*

R. S. Purvis/wab

October 3rd, 1939

Chas. E. Chapin Company
227 Fulton Street
New York City

Gentlemen:

I refer to your letter of August 14, 1939, addressed to Mr. S.E. Krewer, 120 West 70th Street, New York. Mr. Krewer was enquiring for electrode graphite having a minimum purity of 99.5%. Since vanadium, if present, would be disturbing for our experiments, I wish to enquire about how many percent of the ash of your graphite material consists of
VO

Yours very truly,

(Leo Szilard)

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INCORPORATED 1909

CHAS. E. CHAPIN COMPANY

MOTOR AND GENERATOR BRUSHES
ELECTRICAL INSULATION
METAL STAMPINGS AND ASSEMBLIES

NEW YORK,

October 17, 1939

Dr. Leo Szilard
King's Crown Hotel
420 West 116th Street
New York, New York

Dear Doctor:

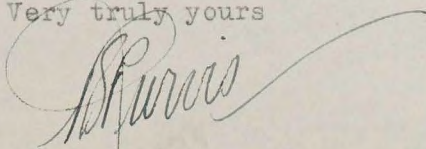
With reference to your letter of October 3 regarding the electrode graphite we have been discussing with Mr. Krewer and your request as to the percentage of vanadium present in the ash content of this graphite material, we wish to quote from a memorandum received from our factory as follows:

"Mr. Abbott advises that on the few analyses which we have made of our electrolytic electrodes the spectrograph indicates that vanadium may be found in the amount of .00008 to .0002%. V_2O_5 by chemical analysis ran from nothing to .00182%.

We should like to bring out that these are "about" figures, and in view of the fact that the vanadium, when present, is found in the petroleum coke, there is probably very little that we can do towards eliminating it."

We hope this information will answer your request.

Very truly yours



CHAS. E. CHAPIN COMPANY

RSP:FJF

August 10, 1940
Semyon E. Krewer
362 Riverside Drive
New York City, N.Y.

Dr. Leo Szilard
Kings Crown Hotel
420 W 116 St.
New York City, N.Y.

Dear Sir:

In the following please find a statement covering services rendered and expenses for materials for the time: 2/6/1939 - 11/1/1939

<u>Period</u>	<u>Liquidation for services rendered</u>	<u>Expenses for materials & cet.</u>	<u>Received</u>
2/6 - 3/5	\$ 50.00	\$ 16.80	\$ 66.80
3/6 - 3/11	\$ 40.00	\$ 49.85	\$ 89.85
3/12 - 3/18	\$ 22.00	\$ 3.25	\$ 25.25
3/20 - 5/5	\$ 46.00	\$ 83.00	\$ 129.00
5/5 - 6/30	\$ 320.00	\$ 14.70	\$ 320.00
7/1 - 11/1	\$ 46.00	\$ 3.00	
	<u>\$ 524.00</u>	<u>\$ 170.60</u>	<u>\$ 630.90</u>
Balance due:			=====
			\$ 63.70

Very sincerely yours

Semyon E. Krewer
Semyon E. Krewer

Encl.