

# THE OHIO CHEMICAL & MFG. CO.

BRANCHES IN ALL PRINCIPAL CITIES - CABLE ADDRESS - OHIOCHEM  
ADDRESS ALL CORRESPONDENCE TO THE COMPANY



1177-1199 MARQUETTE STREET, N.E.

CLEVELAND, OHIO

November 26, 1941

Columbia University,  
Department of Physics,  
116th St. & Broadway,  
New York City, N.Y.

Gentlemen: Attention: Mr. Leo. Szilard

Thank you for your telegram of November 25th with reference to your Order No. 494768. It so happens this order originally sent to our New York Office had been received and entered prior to receipt of your telegram. We are pleased to advise we will make prompt shipment of 50 grams Deuterium Oxide 95% as indicated on the acknowledgment attached.

At the time we quoted you in our letter of November 17th we stated 60 grams was available, but another order was received before yours came to hand, resulting in only 50 grams of 95% material was available for your needs. This shipment completely exhausts our stock and we hope to have additional material available within the next two or three months. However, this period may be prolonged through difficulties encountered by our laboratory.

If you find you will be in need of additional Deuterium Oxide we suggest you send an order to cover, which will be furnished at the price prevailing at the time of shipment. At present we believe the price of \$2.95 per gram in 50 gram lots will prevail, subject to change without notice, when, as and if the material is available.

Yours very truly,  
THE OHIO CHEMICAL & MFG. CO.,

*R. W. Krapp*  
Sales Department.

R.W.Krapp:BZ  
Encl.

REFER TO  
ORDER NO. 1- 10900


# THE OHIO CHEMICAL & MFG. CO.

11/19/41  
177 MARQUETTE ST.

OHIO

CLEVELAND, OHIO

DATE ENTERED 11/24/41 GB  
DATE PROMISED AT ONCECUSTOMER'S  
ORDER NO.

SOLD TO

COLUMBIA UNIVERSITY  
PUR DEP'T 304 UNIVERSITY HALL  
NEW YORK N Y

SHIP TO

SAME - % I S BEMIS  
828 PUPIN BLDG  
120TH ST & BROADWAY  
NEW YORK N Y

ROUTE

PP

SHIP FROM CLEVELAND

TERMS 30 DAYS NET - 2% 10th FOLLOWING MONTH

WE THANK YOU FOR THIS ORDER WHICH HAS BEEN ENTERED AS SHOWN. PLEASE CHECK ALL ITEMS AND ADVISE US OF ANY ERRORS OR OMISSIONS.

The Seller shall not be liable for delays or failures in delivery caused in whole or in part by strikes, difficulties with labor, fires, accidents, casualties, delays of carriers, embargoes, riots, war, insurrection, inability to obtain raw materials, failure of sources of supply, restraints of Governments, or any other causes or conditions beyond Seller's control.

When the cylinders are sent to be refilled or exchanged a bill will be rendered only for gases ordered, unless the number of cylinders to be shipped exceeds the number returned, in which event the value of the additional cylinders will be included. If the number returned exceeds the number shipped, a credit memorandum, payable by future purchases of cylinders, will be issued. When a bill of lading for the empties accompanies the order, shipment will be made immediately, exactly as though the cylinders being returned arrived with the order. All returned and exchanged cylinders are subject to the Seller's inspection and acceptance before title passes or credit is available.

All taxes or charges of any nature whatsoever, now or hereafter levied by any Government, Federal, State or Local Subdivision, either directly or indirectly, upon any product or the sale thereof described herein, or upon the subject matter hereof, shall be paid by the Purchaser, or added to the purchase price if paid by the Seller.

50- GRAMS DEUTERIUM OXIDE 95%

ACKNOWLEDGMENT

## EMPTIES RETURNED

ETHYLENE				
B	D	E	F	G

NITROUS OXID							OXYGEN						
B	C	D	E	F	G	B	C	D	E	F	G		


GILMAN-NIAGARA FALLS

DRIVER \_\_\_\_\_

copied by MEB 11-21-41



# THE OHIO CHEMICAL & MFG. CO.

BRANCHES IN ALL PRINCIPAL CITIES - CABLE ADDRESS - OHIOCHEM  
ADDRESS ALL CORRESPONDENCE TO THE COMPANY



1177-1199 MARQUETTE STREET, N.E.

CLEVELAND, OHIO

November 17, 1941

Columbia University,  
Department of Physics,  
New York City, N.Y.



Gentlemen: Attention: Mr. Leo Szilard

Attached is confirmation of telegram sent promptly on receipt of your letter dated November 15th, 1941. You indicate having need for 200 to 300 grams Deuterium Oxide 95% or better but at present our stock consists of 60 grams 95% material only.

We have therefore quoted you a price of \$2.15 per gram on 95% Deuterium Oxide, f.o.b. Cleveland, subject to immediate acceptance and the material being available on receipt of your order.

In the immediate future we are hopeful we will have additional Deuterium Oxide available but at this time cannot make any definite commitments. Your interest will be kept in mind and we will address you again regarding the matter, which we estimate will be approximately thirty days.

Yours very truly,  
THE OHIO CHEMICAL & MFG. CO.,

*R. W. Krapp*  
Sales Department.

R.W.Krapp:BZ  
Encl.

Telegram  
Day Letter  
Night Message  
Night Letter

THIS COPY TO BE MAILED TO ADDRESSEE

# CONFIRMATION OF TELEGRAM

SENT BY

THE OHIO CHEMICAL & MFG. CO.

CLEVELAND, OHIO

To

NOVEMBER 17, 1941

COLUMBIA UNIVERSITY  
ATTN MR. LEO SZILARD  
DEPARTMENT OF PHYSICS  
NEW YORK CITY N.Y.

RELET. HAVE SIXTY GRAMS 95 PERCENT DEUTERIUM OXIDE AVAILABLE  
FOR IMMEDIATE SHIPMENT AT \$2.15 PER GRAM FOB CLEVELAND. SEE  
AIR MAIL LETTER.

R.W.KRAPP OHIO CHEMICAL

SERIAL CA  
WORDS  
3:45 P.M.  
RWK:BZ

We Trust That You Have Given This Matter Your Attention:

Yours truly,

THE OHIO CHEMICAL & MFG. CO.


November 15, 1941

Ohio Chemical and Manufacturing Company  
1177 Marquette Street  
Cleveland, Ohio

Gentlemen:

I wish to inquire whether you could supply us with two hundred to three hundred grams (200-300 gms.) of heavy water ninety-five per cent (95%) or better. I would appreciate very much if you could kindly quote a price and state delivery time by sending me a collect telegram, addressed to me, care of the Physics Department Office, Columbia University. I should appreciate if you could confirm this telegram by air-mail letter giving us detailed information as to what grades of heavy water you carry in stock and at what price the different grades are listed.

Yours sincerely,

  
(Leo Szilard)

LS:MEB

Copies

1 Pegram  
1 Fermi  
1 Szilard ✓  
2 Mitchell

**CLASS OF SERVICE**

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

# WESTERN UNION

1201

**SYMBOLS**

DL = Day Letter
NT = Overnight Telegram
LC = Deferred Cable
NLT = Cable Night Letter
Ship Radiogram

R. B. WHITE  
PRESIDENT

NEWCOMB CARLTON  
CHAIRMAN OF THE BOARD

J. C. WILLEVER  
FIRST VICE-PRESIDENT

The time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination.

NAJ24 23/22 SER=WUX CLEVELAND OH IO NOV 17 354P

COLUMBIA UNIVERSITY, ATTN LEO SZILARD=  
DEPT OF PHYSICS=

RELET. HAVE SIXTY GRAMS 95 PERCENT DEUTERIUM OXIDE AVAILABLE FOR IMMEDIATE SHIPMENT AT \$2.15 PER GRAM FOB CLEVELAND. SEE AIR MAIL LETTER.=

R W KRAPP THE OHIO CHEMICAL AND MFG CO.

.423P

*Copied 11-18-41  
by m&C*

COPIED FROM ORIGINAL  
IN THIS COLLECTION

95 \$2.15

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

Physics Department, Extension 210

CLASS OF SERVICE DESIRED	
DOMESTIC	CABLE
TELEGRAM	ORDINARY
DAY LETTER	URGENT RATE
SERIAL	DEFERRED
NIGHT LETTER	NIGHT LETTER
SPECIAL SERVICE	SHIP RADIOGRAM

Patrons should check class of service desired; otherwise the message will be transmitted as a telegram or ordinary cablegram.

## COPY OF WESTERN UNION TELEGRAM

November 25, 1941

R. W. Krapp  
Ohio Chemical and Manufacturing Company  
1177 Marquette Street  
Cleveland, Ohio

Re telegram kindly ship immediately sixty grams ninety five percent deuterium oxide. University order Number 494768 has been sent by letter.

Szilard  
Physics Department  
Columbia University

LS:MEB

Copies: 1 Pegram 1 Fermi  
1 Szilard ✓ 2 Mitchell

*Telephoned 11-25-41 at 12 noon*