

ML  
Arthur D. Little, Inc.

CHEMISTS · ENGINEERS



MEMORIAL DRIVE  
AT KENDALL SQUARE

ESTABLISHED  
1886

CAMBRIDGE 42, MASSACHUSETTS

December 19, 1946

8  
Sir K. S. Krishnan  
c/o Professor I. Fankuchen  
85 Livingston Street  
Brooklyn 2, New York

Dear Sir:

Dr. McMahon has told us of his pleasant visit with you during which you inspected the Helium Cryostat built by us for the Massachusetts Institute of Technology. As an aside we may add that this unit has been proving very satisfactory at the Institute and they express great enthusiasm for it as an aid in their experimental program. Dr. McMahon has asked that we furnish you with some detailed material about this equipment which you could use for describing it to your colleagues at the University of Allahabad. We have somewhat delayed forwarding this data in order that we might send you a completely up-to-date description of the apparatus with its additions. There is also enclosed a photograph of the unit.

We are now preparing to manufacture a second group of Cryostats. It is planned to order components for these units in early January. Dependent upon the availability of basic materials and components, it is our hope that these units will be completed by April or May 1947. We shall do our best to make deliveries at the earliest possible date. Should it be decided that the University of Allahabad will order one of these units, it is extremely desirable that this word reach us by January 15 or very shortly thereafter.

Our second group of units will have incorporated improvements which have been conceived since the design of the original lot which, as you know, represented a substantial improvement over the earliest breadboard model developed by Professor Collins and Dr. McMahon. Throughout our development we have endeavored to keep the price of these units as low as consistent with the development and shop time necessary to produce a unique apparatus of the present type. Unfortunately, we have been confronted with rising costs in basic materials and components. Although the exact cost to us of the units is still undetermined, we are prepared to offer a firm price of \$20,000 for a unit to be produced in our second group, this price to be

Arthur D. Little, Inc.  
To: Sir K. S. Krishnan

-2-

December 19, 1946

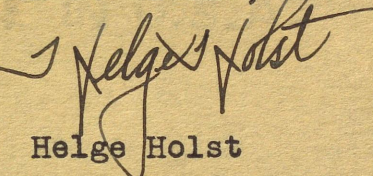
accepted not later than January 20, 1947, and to be payable in United States currency through a Boston or New York bank. To this price should be added an appropriate allowance for shipment of the unit. In computing this amount, it may be assumed that the basic equipment will weigh approximately 1500 pounds before crating.

We look forward to hearing from you in the near future when you have been able to confer with your colleagues on the subject of this equipment.

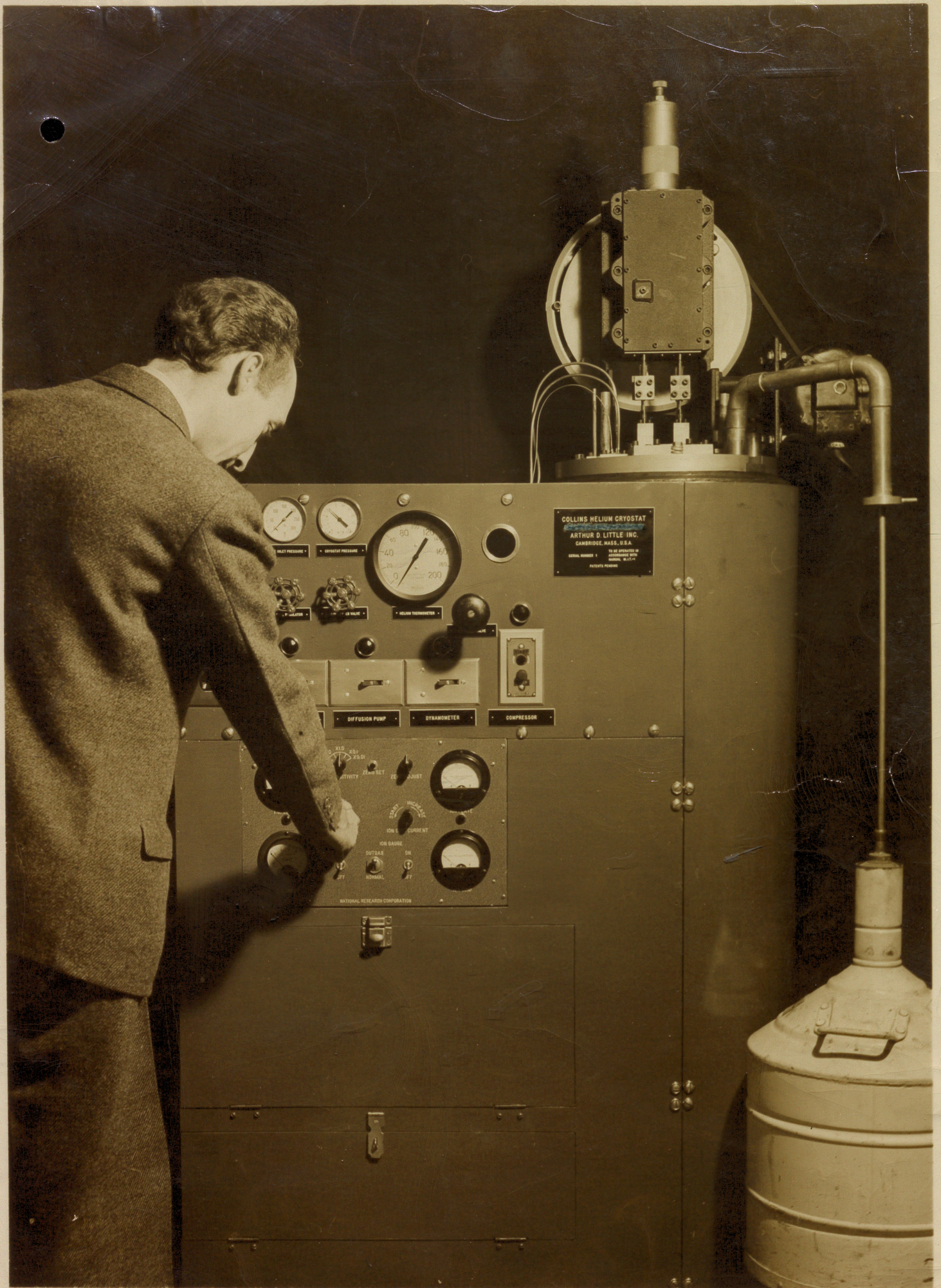
Sincerely yours,

ARTHUR D. LITTLE, INC.

By

  
Helge Holst

HH:rn  
enc.



COLLINS HELIUM CRYOSTAT  
ARTHUR D. LITTLE, INC.  
CAMBRIDGE, MASS., U.S.A.  
SERIAL NUMBER 1  
TO BE OPERATED BY  
PERSONNEL ONLY  
PATENTS PENDING

INLET PRESSURE - CRYOSTAT PRESSURE - HELIUM THERMOMETER -  
DIFFUSION PUMP - DYBRANOMETER - COMPRESSOR -  
MID RANGE - ZERO SET - ZERO ADJUST -  
ION CURRENT - ION GAUGE -  
SOFT LAMBDA - NORMAL - ON - OFF

NATIONAL RESEARCH CORPORATION

Van Nostrand

Books

- 1) Gerhard Herzberg Molecular Spectra & Molecular Structure vol. 2. (Infrared + Raman spectra of Polyatomic molecules. Van Nostrand Co Inc. 1945 \$9.50.
2. Serge A. Korff Electron & Nuclear counters 16/6
3. R.A. Heising and Shes: Quartz crystals. 36/-

International Monographs on Radio =  
Genl. editors Appleton & Barker.

I vol. W.H. Watson The Physical Principles of wave-guide transmission & antenna systems.

I.S. Sokolnikoff: Mathematical Theory of Elasticity - McGraw-Hill  
1946 22/6.

J. Frenkel: Kinetic Theory of Liquids: Oxf. monographs.

Alexander Wood: The Cavendish Laboratory Camb. Univ Press  
2/6.

W.K. Clifford: The Common Sense of the Exact Sciences.

Preface by Karl Pearson: Newly edited with Introduction

by J.R. Newman Alfred A Knopf London 5/6

Books Ltd London 1946 15/-

① Phenanthrene ( $C_{14}H_{10}$ )

② Pyrene ( $C_{16}H_{10}$ )

③ Chrysene ( $C_{18}H_{12}$ )

④ Retene ( $C_{18}H_{18}$ )

⑤ p-diphenyl benzene  $C_6H_4(C_6H_5)_2$

⑥ Triphenyl methane  $CH(C_6H_5)_3$

⑦ p-dichloro-benzene

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$\alpha$  - Monobromonaphthalene

Methylene Iodide

about -

Metal crystals

(Metal Comm. ~~the~~)