

February 5, 1959.

Mr. C.D. Harrison,
Minneapolis-Honeywell Regulator Co.,
40 Life Street,
Boston 35, Mass.

Dear Mr. Harrison,

I am investigating the possibility of measuring remanent magnetism in clays and bricks which may include the determination of inclination and declination in addition to intensity which would range from 10^{-2} to 10^{-6} emu/cm³.

Do you have any magnetometers that could be adapted for this purpose? These measurements are under consideration for some future date. I am interested mostly at this time in finding out what instruments are available for measuring weak magnetism and their approximate costs.

Sincerely yours,

Elizabeth K. Ralph.

EKR/fr

March 8, 1961

Mr. Phillip Lazzara, President
Blue M Electric Co.
138th and Chatham Sts.
Blue Island, Illinois

Subject: Blue Line Furnace
Model No. CHH16 Ser. No. 543
220 v, 3 phase, 60 cycle with
range 150 to 1200°F

Dear Mr. Lazzara:

The furnace listed above is in need of repair. The thermocouple opened and the elements overheated with the result that one section of the coil is now missing completely. This furnace was probably purchased in 1955 (or 1956).

Will you please advise us about these repairs. We prefer to install new elements (coils) and thermocouple here rather than ship the whole unit to Illinois. If these are available, please tell us what to order and their cost so that we can send purchase order immediately.

Sincerely yours,

EKR/lm

Elizabeth K. Ralph

December 8, 1961.

Dr. E. T. Hall
Research Laboratory for Archaeology,
6 Keble Road,
Oxford, England.

Dear Dr. Hall:

The Detector Bottle LM 39 (U. of Pa. Order
#63437) arrived today in good condition.

Thank you very much for sending this re-
placement of the lost one.

Sincerely yours,

Elizabeth K. Ralph

EKR:LF

C
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P
Y

GENERAL RADIO COMPANY

WEST CONCORD, MASSACHUSETTS, U.S.A. • EMERSON 9-4400 • CABLE GENRADCO, BOSTON



December 19, 1961

The University Museum
33rd and Spruce Streets
Philadelphia 4, Pennsylvania

Attention of E. K. Ralph

Gentlemen:

This will acknowledge the receipt of the Type V5MT Variac which you have returned for reconditioning in accordance with your Purchase Order.

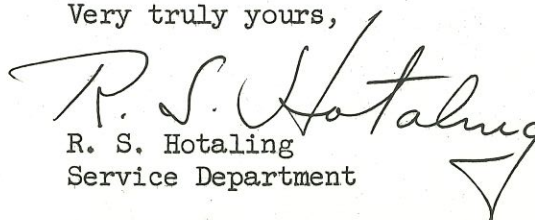
The Type V5MT Variac is obsolete and is no longer manufactured by us; therefore, we are no longer able to rewind coils for this Variac. Of course we will maintain an adequate supply of brushes and other minor replacement components which will be available several years to come.

Your immediate need of the Variac is appreciated; therefore, we are offering to supply our present catalog Type W5MT Variac at the former standard repair charge of \$22.50 for the obsolete unit. Mechanical and electrical specifications of this modern improved Variac are shown in the attached bulletins.

Shipment of this new unit can be made approximately one week after receipt of your acceptance of our offer, and will be f.o.b. West Concord, Massachusetts. This offer includes our retaining the obsolete unit and does not imply that credit can be issued towards purchase of other types of equipment.

To avoid complications, we request that a change order or an amendment to your purchase order be issued within two weeks, authorizing the supplying of the replacement. This order or amendment should be forwarded to the attention of the Service Department. We shall defer further action pending your reply.

Very truly yours,


R. S. Hotaling
Service Department

PHO
RSH:MJD

January 17, 1962.

Tektronix,
P. O. Box 831,
Portland 7, Oregon.

Dear Sirs:

Will you please send me an Instruction Manual
for Tektronix Cathode-Ray Oscilloscope Type
315 D. The instrument which we purchased
several years ago is Serial No. 1886.

Sincerely yours,

EKR:LF

Elizabeth K. Ralph
Radiocarbon Laboratory

The **RAND** Corporation

1700 MAIN ST. • SANTA MONICA • CALIFORNIA

24 January 1962

L-1734

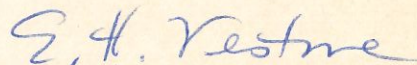
Mrs. Elizabeth K. Ralph
Department of Physics
University of Pennsylvania
Philadelphia 4, Pennsylvania

Dear Mrs. Ralph:

I regret this late answer to your letter of December 9th.

World magnetic charts for the epochs 1955 and for declination only for 1960 are available from the U. S. Navy Hydrographic Office, Washington 25, D. C.

Sincerely yours,



E. H. Vestine
Planetary Sciences Department

EHV:bg

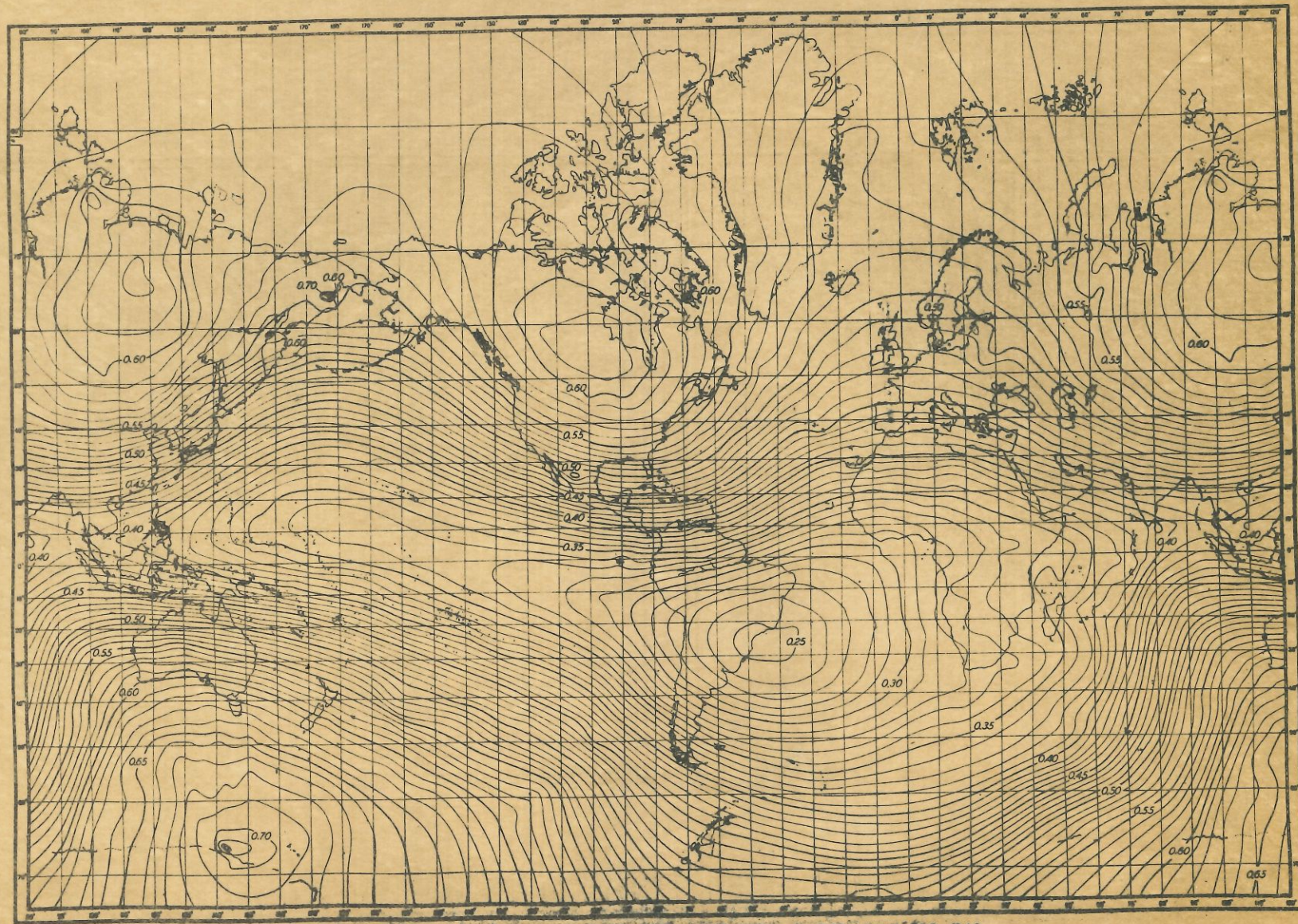


FIG. 150(A) — THE GEOMAGNETIC TOTAL INTENSITY IN CGS - UNIT FOR 1945

August 29, 1962

Edgerton, Germeshausen & Grier, Inc.
182 Brookline Avenue,
Boston 15, Mass.

Dear Sirs:

Your advertisement on page 2 of Science and Technology has been brought to my attention, and I should appreciate it very much if you would send me more information about your Sonar Sediment Probe.

In the University Museum we are trying to adapt and to develop instruments for underground detection for archaeological prospecting. We are, therefore, very much interested in new developments of the sonar technique.

Sincerely yours,

Elizabeth K. Ralph

EKR/deh

September 5, 1962

Fisher Research Laboratory
1875 University Ave.
Palo Alto, California

Dear Sirs:

Will you please send me information, including cost, about your M. Scope "deluxe."

We are interested in its use for archaeological prospecting.

Sincerely yours,

Elizabeth K. Ralph

EKR:dml

October 24, 1962

George A. Philbrick Researches, Inc.
285 Columbus Avenue
Boston 16, Mass.

Dear Sirs:

Do you have in stock a power supply for your
Model K2-X Operational Amplifier, and if so, what is
the cost?

I shall appreciate it if you will send me also
a catalog of your D.C. Amplifiers and Power Supplies.

Sincerely yours,

Elizabeth K. Ralph

EKR/deh

C
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P
Y

November 8, 1962

Aqua Instruments Co.
Cincinnati, Ohio

Dear Sirs:

 About a month ago I wrote to you for information about your DIP NEEDLE gravity-type instrument.

 Would you please let me know whether this instrument may be purchased from you and its cost?

Sincerely yours,

Elizabeth K. Ralph

EKR/deh

C
O
P
Y

November 2, 1962

Alden Electronic Corporation
Westboro, Massachusetts

Dear Sirs:

Will you please send me a catalog of your
recorders - "wet" paper models, similar to those
used by Professor Edgerton at MIT?

Sincerely yours,

Elizabeth K. Ralph

EKR:pc

December 13, 1962

Engineering Department
Magnaflux Corporation
25 W. 43rd St.
New York, New York

Dear Sirs:

Will you please send me technical information about your fluxgate magnetometers.

I saw a demonstration of one instrument given by Mr. Rambo, but would like some literature of a more technical nature.

Sincerely yours,

Elizabeth K. Ralph

EKR:dml

January 3, 1963

C
O
P
Y
Creme Lure Co.
Dept. FS
Box 87
Tyler, Texas

Dear Sirs:

Will you please send us information about your portable generators - 300 watts (110 volts A.C.) and others. Please include information about costs and local suppliers.

Sincerely yours,

Elizabeth K. Ralph

EKR/deh

February 6, 1963

Tetronix, Inc.
Box 500
Beaverton, Oregon

Dear Sirs:

Will you please send me the following information about your Type 321 Portable Oscilloscope:

- 1) Delivery time
- 2) Cost
- 3) Battery recommendation for overseas use - charging requirements, etc.
- 4) Triggering. Does it have external triggering and if so, voltages required?
- 5) Can Type P-7 long-persistence screen be supplied, also delivery time.

This information was requested from your local Cynwyd office without results.

If one is not available before March 11th, would it be possible and/or cheaper to pick it up in England from your Guernsey plant? I'll be there until March 25th, and then plan to use it in Italy.

Sincerely yours,

Elizabeth K. Ralph

EKR:pc

C
O
P
Y

Baird-Atomic, Inc.



33 UNIVERSITY ROAD • CAMBRIDGE 38 • MASSACHUSETTS
UNIVERSITY 4-7420 • CABLE ADDRESS: BAIRDCO

April 26, 1965

Robert Stuckenrath, Jr.
Radiocarbon Laboratory
Department of Physics
University of Pennsylvania
Philadelphia, Pennsylvania

Dear Mr. Stuckenrath:

Thank you for your letter of April 20.

Good-All manufactures a plastic capacitor, type LR50-104A, which can be used in place of the capacitor you have been using.

Baird-Atomic also sells a capacitor which can be used, #00592, at a price of \$10.00 each.

It is a pleasure to extend our cooperation in this regard and I hope that you will not hesitate to let us know when we can be of service in any way.

Very truly yours,

BAIRD-ATOMIC, INC.

A handwritten signature in cursive script that reads 'Walter A. Ciak'.

Walter A. Ciak
Service Manager

April 28, 1965

Good-All Electric Mfg. Co.
Sales Department
112 West First Street
Ogallala, Nebraska

Dear Sirs:

Please send your catalog or brochure of high-voltage capacitors. We are interested particularly in your plastic capacitor LR50-104A, or equivalent, in the 0.1 mfd, 5000 VDC range, as a possible replacement for the now-obsolete 5622-STH.

In addition, could you please supply the name of your distributor in this area?

Thank you.

Very truly yours,

Robert Stuckenrath, jr.
Radiocarbon Laboratory

June 9, 1965

Picker X-Ray Corporation
Waite Manufacturing Division
17325 Euclid Avenue
Cleveland, Ohio

Dear Sirs:

May I bother you with a curious request? In the department here there is a very old X-Ray machine - namely, a Philips Metalix Corporation (New York, New York) Type 38100, Serial No. TR43-779. The instrument has not been used for, at least, 15 years and may never have been.

Since I have been unable to find the Philips Metalix Corporation in the New York telephone directory, I suspect that the company has gone out of business, moved, or possibly been taken over by another company. I am writing to you because you have been a leading manufacturer of X-Ray apparatus for many years and with the hope that you might be able to give me some information about the Philips Metalix Corporation or the machine itself. There is probably a slim chance of finding an instruction book and wiring diagram for it, but that would be ideal.

Sincerely yours,

Elizabeth K. Ralph

EKR: rm

February 10, 1966

Martin-Clark Instruments, Ltd.
Farnham Road
Guildford, Surrey
England

Dear Sirs:

With your permission, I should like to list your Resistivity Meter as a recommended instrument in a Guidebook for Archaeologists.

If this is agreeable with you, I should appreciate any literature about it that you have available. I should like to know, especially its present cost, its weight (instrument without leads), and the type of battery used.

Sincerely yours,

E. K. Ralph

EKR:sn

February 27, 1967

North American-Philips X-Ray Co.
Chicago, Illinois

Gentlemen:

We have in our possession an X-ray machine with the following on the serial number plate:

Philips Metalix Corp.		N.Y., N.Y.	
App. Type	38100		
Volts	KVA	Cycle	Ser. No.
110	2	60/60	TR 43-779
Des. Pat.	118286		

Could you possibly supply us with a set of operating instructions for same, also information as to its trade-in value?

Thank you for your prompt attention.

Sincerely,

Barbara Lawn

BL:lm

April 20, 1967

Honeywell
Industrial Products Group
Mail Station M389
Wayne and Windrim Avenues
Philadelphia, Pa. 19144

Dear Sirs:

Will you please send me Specification D-2136 in which high voltage DC supplies are described.

We are interested in a unit with the following specifications:

Max. voltage:	6000
Current:	1 ma
Max. ripple:	5 mv RMS
Stability:	0.01% per day

Please include cost information.

Sincerely yours,

Elizabeth K. Ralph

EKR:ek

May 8, 1967

Snap-tite, Inc.
201 Titusville Road,
Union City, Pa. 16438

Gentlemen:

In the May issue of Better Homes and Gardens there was a write-up about your Snap-tite Quick Disconnects for 1/4" and 3/8" lines. Would you have any specifications or information concerning their application in vacuum lines of 3/8" or 1/4" copper tubing? Will they function and be vacuum tight to a vacuum of less than one micron?

Thank you.

Sincerely,

Barbara Lawn

BW:LF

February 27, 1968

Gecom Division
Whittaker Corp.
80 Express Street
Plainview, L.I., N.Y.

Dear Sirs:

I shall appreciate it very much if you will send me
a copy of your latest catalog of EMI photomultiplier tubes
which were advertised in Science, vol. 159, p. 828
(23 February, 1968).

Sincerely yours,

Elizabeth K. Ralph

EKR/emf

SCHONSTEDT INSTRUMENT COMPANY

1775 WIEHLE AVENUE
RESTON, VIRGINIA 22070
471-1050

October 2, 1969

University of Pennsylvania
34th & Spruce
Philadelphia, Pennsylvania 19104

ATTENTION: Dr. Elizabeth Ralph
Archaeology Department

Dear Dr. Ralph:

Some time ago you asked me for a quotation on our GMB-1 Magnetic Locator. Before I had an opportunity to send you the quotation, we discovered a serious production problem which has forced us into a redesign of the unit. We are currently working on this redesign and as soon as we have completed this redesign we will be pleased to submit a proposal.

I am extremely sorry about the delay in obtaining this information for you.

Sincerely yours,

SCHONSTEDT INSTRUMENT COMPANY


C. R. Upton
Vice President-Engineering

CRU:wcm

SCHONSTEDT INSTRUMENT COMPANY

703
1775 WIEHLE AVENUE
RESTON, VIRGINIA 22070
471-1050

November 24, 1969

Dr. Froelich Rainey
Applied Science Center for Archaeology
University Museum
University of Pennsylvania
Philadelphia, Pennsylvania 19104

*Burt
Ralph*

Dear Dr. Rainey:

Per your recent request we are enclosing technical bulletins describing our portable magnetometers, coil control systems and magnetic locators. If we can be of further service to you, please let us know.

Very truly yours,

SCHONSTEDT INSTRUMENT CO.

Theodore W. Bennett

Theodore W. Bennett
Project Engineer

TWB:bt

Enclosures:
Technical Bulletins
DRM-1
HECON-3-1
GB-1A

5-10 on shelf

SCHONSTEDT INSTRUMENT COMPANY

1775 WIEHLE AVENUE
RESTON, VIRGINIA 22070
471-1050

April 9, 1970

University of Pennsylvania
University Museum
33rd and Spruce
Philadelphia, Pennsylvania 19104

Attention: Dr. Elizabeth Ralph

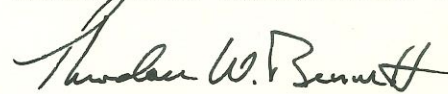
Dear Dr. Ralph:

Please accept my apologies for the delay in getting this write-up to you. I think these instructions will aid you in aligning the gradiometer with the meter rather than the earphones. We were all very pleased to hear of your success with the gradiometer while searching in Pennsylvania. We would very much like to be kept up to date on your future surveys.

If there is any information you might need pertaining to the instrument modification, please call us.

Sincerely yours,

SCHONSTEDT INSTRUMENT COMPANY



Theodore W. Bennett
Marketing Manager

TWB:lgd

Enclosure:
GMB-2 Operating
Instructions

SCHONSTEDT INSTRUMENT COMPANY

1775 WIEHLE AVENUE
RESTON, VIRGINIA 22070
471-1050

April 3, 1970

Handwritten: 1000 A

University of Pennsylvania
Applied Science Center for Archeology
University Museum
33rd and Spruce
Philadelphia, Pennsylvania 19104

ATTENTION: Dr. Froelich Rainey,
Professor of Anthropology

Gentlemen:

We are pleased to furnish the enclosed technical bulletin describing the latest addition to our line of magnetic locators.

The GB-4 is the most human-engineered locator ever designed. It has no controls to adjust. It is light weight--approximately two pounds. It is balanced to eliminate fatigue. It won't get snarled when operating in brush. It can be poked into snow banks or haystacks (if need be).

Some of the many uses include locating manhole covers, steel pipes, steel surveyor stakes, bench-markers, guns, knives, and other ferromagnetic objects.

And--the price of \$400 is \$195 less than that of our previous model. Progressive discounts for quantities exceeding four.

The time saved on one job may very well save you the cost of the locator.

Sincerely yours,

SCHONSTEDT INSTRUMENT COMPANY

Theodore W. Bennett
Theodore W. Bennett
Marketing Manager

TWB:lgd

Enclosure

November 10, 1972

American Phenolic Corporation
Chicago 50, Illinois

Dear Sirs:

Will you please send me a new catalog, including instructions for assembly, of BNC and other similar connectors.

We have been using your catalog D3 which we received in 1955.

Thank you in advance.

Sincerely yours,

R/rs

Elizabeth K. Ralph

November 21, 1967

Dr. D.P. Agrawal
Tata Institute of Fundamental Research
Colaba
Bombay 5, India

Dear Dr. Agrawal,

Thank you very much for sending me a number of your reprints. Needless to say, I am very pleased to be informed of your important research endeavors. I had not known before about Dr. Athavabe's measurements of remanent magnetic intensity, and I hope that you and he will continue to send me reports of these determinations. All of us who are concerned with carbon-14 dating are eager to assess the relationship between atmospheric inventory and magnetic changes, especially, if the latter are world-wide. Dr. Athavabe's data do indicate that this may not be so.

I have enclosed a reprint of "Archaeology and Its New Technology" by Dr. Rainey and myself, and also copies of our recent Radiocarbon Laboratory reports.

Sincerely yours,

Elizabeth K. Ralph

EKR/abn

January 3, 1973

Edwards High Vacuum Inc.
3279 Grand Island Boulevard
Grand Island, N. Y. 14072

Re: Vactum Pumps

Dear Sirs:

Will you please send us a catalog and price list for
air-cooled silicon oil diffusion pumps with capacities of about
60 L/M.

We should also like to know the up-to-date cost of your
mechanical vacuum pump ED 50.

Sincerely yours,

Elizabeth K. Ralph

EKR:w

May 13, 1975

Vector Electronic Co., Inc.
Gladstone Ave.
Sylmar, Calif. 91342

Gentlemen:

Please send me a catalog of your electronic components,
especially for ribbon connectors & printed circuit boards.

I shall appreciate it if you will send me a list of
current prices as well.

Sincerely yours,

Elizabeth K. Ralph

EKR:jb

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19174

May 13, 1975

The College

DEPARTMENT OF PHYSICS

Flexi-Optics Labs
269 Mechanic St.
Marlboro, Mass. 01752

Gentlemen:

Please send me a catalog of your plastic scintillators as advertised in Science "Guide to Scientific Instruments", Vol. 182A, No. 4114A, 1973-1974, p. 125.

We shall appreciate it if you will send current prices as well.

Sincerely,

Elizabeth K. Ralph

Elizabeth K. Ralph

EKR:LF

July 8, 1975

Mr. C. M. Parrish, Vice President
Hawker-Siddeley Canada Ltd.
Canadian Car Division, P.O. Box 67
THUNDER BAY F
Ontario, Canada

Dear Mr. Parrish:

Professor Henry North wrote to my colleague Michael Jameson in regard to your Sonic Core Sampler.

I should appreciate it very much if you will send me more information about this instrument including costs of purchase and rental.

As part of the activities in our MASCA laboratories, we do geophysical prospecting at archaeological sites with magnetometers and other types of apparatus. We are also eager to learn about and to experiment with other types of instruments.

Sincerely yours,

Elizabeth K. Ralph

EKR/jmk

December 15, 1975

Fenwal Incorporated
Ashland, Massachusetts 01721

Dear Sirs:

We are using 2 Fenwal cartridge type thermostats which may have been in use as for as long as 20 years.

The following information is to be found on these:

Capacity 10 amp 115 V
5 amp 230 V

in use we set them to: 32° C

312 Catalogue No. S 1351

Is this still available, is this the correct catalog number and what is the current price?

Thank you for your prompt attention.

Sincerely yours,

Barbara Lawn
Radiocarbon Laboratory

BL:emd



Museum Applied Science Center for Archaeology

Froelich Rainey, Director

Elizabeth K. Ralph, Associate Director

THE UNIVERSITY MUSEUM • UNIVERSITY OF PENNSYLVANIA
33rd & SPRUCE STREETS • PHILADELPHIA, PENNSYLVANIA 19104
386-7400 (Area Code 215) Cable Address "Antique"

October 12, 1976

Professor William Happer
Columbia University Radiation Laboratory
120th Street
New York, New York 10027

Dear Prof. Happer:

Recently, I read about your "small \$10 magnetometer..."
as reported in Electronic Design, 12 April 1975.

Since we do have an expensive cesium magnetometer in our
MASCA laboratories which we use frequently in various parts
of the world, we are interested in new developments such as
yours.

May I trouble you to send more information or a reference
to a more complete publication of its design?

For use in the field, we are interested in battery-powered
magnetometers.

Sincerely yours,

EKR:emd

Elizabeth K. Ralph

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19104

The Faculty of Arts and Sciences

DEPARTMENT OF PHYSICS

November 10, 1977

Department of Sales Engineering
Amersham/Searle Corp.
Clearbrook Drive
Arlington Heights, Illinois 60005

Dear Sirs:

We should appreciate it very much if you would send us your catalog of radionuclides, including calibrated reference sources, and costs.

At the present time we are interested in pure α and β sources such as ^{210}Po and ^{36}Cl .

Sincerely yours,

Elizabeth K. Ralph

EKR:ks

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19104

The Faculty of Arts and Sciences

DEPARTMENT OF PHYSICS

July 27, 1978

Mr. John F. Rothamel
c/o Quionix
276 Linden Road
Wayne, N. J. 07470

wrong
address

Dear John,

We are in trouble again with high voltage transformers for our old scalars (no. 001476, 2850 volts at 3 MA). Could you find some for us?

I have been trying to telephone you, but your unlisted number prohibited my reaching you.

With best regards,

Elizabeth K. Ralph
Elizabeth K. Ralph

EKR:emd

Model 1011
1060A
1020B

September 14, 1970

Sales Engineering Dept.
Packard Instrument Company, Inc.
P.O. Box 428
La Grange, Illinois

Dear Sirs:

Will you please send me new literature and price lists for Tri-Carb Liquid Scintillation Spectrometers. We are considering the possibility of changing from gas counting of CO_2 to scintillation counting of benzene for the measurement of natural radiocarbon.

Sincerely yours,

Elizabeth K. Ralph

EKR/sj

INDIANA UNIVERSITY

Department of Microbiology

Jordan Hall 438

BLOOMINGTON, INDIANA 47401

October 12, 1972

AREA CODE 812
TEL. NO. 337-

Barbara
Lawn
ASCA
Could you
advise him?
FLP

Dr. Froelich Rainey
Director
University of Pennsylvania Museum
Philadelphia, Pennsylvania 19100

Dear Dr. Rainey:

I would indeed be most appreciative if you send me information about the French liquid scintillation counters.

I enjoyed your seminar and our visit.

Sincerely yours,

Arthur Koch

Arthur L. Koch
Professor

ALK:fpm

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 4

The College

DEPARTMENT OF PHYSICS

October 20, 1972

Dr. Arthur L. Koch
Indiana University
Department of Microbiology
Jordan Hall 438
Bloomington, Indiana 47401

Dear Dr. Koch:

Dr. Rainey has referred your inquiry concerning the scintillation counter to me. I have enclosed an extra brochure we have in our files. We have the single sample model SL20. The salesman that calls on us is Edwin Greenblatt and he can be reached at the address or phone number on the back of the Brochure.

If we can be of further help, don't hesitate to contact us.

Sincerely yours,

Barbara Lawn
Barbara Lawn
Radiocarbon Laboratory

UNIVERSITY of PENNSYLVANIA

PHILADELPHIA 19104

The Faculty of Arts and Sciences

DEPARTMENT OF PHYSICS

November 10, 1981

Plastic Capacitors, Inc.
Chicago 14, Illinois 60639 312-489-2229

Dear Sirs: 2623 N. Pulaski Blvd.

Will you please send me a catalog and price list of your high voltage plastic capacitors.

I am interested especially in one type - namely, HG (~~or 6~~) - 100 - 102, 0.001 mfd, 10 kvwg, 3 in. long, 3/4 in, O.D., with screw terminals. If you have these, please let me know, and also the cost.

Sincerely yours,

Elizabeth K. Ralph

Elizabeth K. Ralph

EKR:bh