

copy

J. L. Ledbetter - B-2-N
L. F. Steinbach - G-4-E
R. J. Stratmeyer - B-2-N
N. L. Sample - B-2-N
A. H. Schwab - JFQ
H. A. Partlow - JFQ
R. D. McIntosh - JFQ

In & only status #1
DBH -
9/12/68

J. R. Kellogg - JFQ
H. L. Minckler - B-2-S
T. M. Patrick - Res. 1
R. E. Keller - Res. 1
D. C. Reed - Res. 1
O. J. Marchand - Res. 1

MONSANTO COMPANY
Organic Chemicals Division

TO Hoerner 8/28

To the General Manager
Organic Chemicals Division

Estimate No. 1908
Dept. No. 76001-0000922
Plant - R&D Laboratories

*9/12 Out of 5 week
production line today.
Will be in testing +
not lab one week. We
need approval within
several days or we
will start at end of
line with 5 week delay.
Rsk
This is part of a \$5,000
FF project.*

PURCHASE BIOMEDICAL GAS CHROMATOGRAPH

Capital Addition \$7,000

DESCRIPTION

Purchase biomedical gas chromatograph with all-glass system and multiple flame ionization and electron capture detectors for the analysis of thermally sensitive and polar materials.

APPROVAL

General Manager

H. L. Minckler

Date

EXHIBIT
WBP M-27

MONS 034702

NEED FOR THE PROJECT

Late in 1966 Swedish researchers reported the presence of polychlorinated biphenyls in a variety of biological samples. Since that time the Organic Chemicals Division has received a number of requests for Aroclor samples from active pesticide research groups. We also know that the U. S. Public Health authorities have initiated studies to evaluate the significance of this environmental contamination.

To assess the validity of these findings, the impact they may have on our Aroclor business, and to avoid restrictive legislation, the Functional Fluids Business Group has begun its own study.

The Applied Sciences Section has been requested to develop the necessary analytical methodology for this project. To do this and to do it correctly, we need to purchase a biomedical gas chromatograph. This instrument is designed specifically for this type of analysis and is used by most pesticide researchers, including the Public Health authorities.

Any analytical information we generate will be judged in terms of the techniques and equipment used. By using the tools most familiar to these people, we feel any information we provide will be more effective.

The biomedical-type chromatograph provides an all-glass system with direct injection into a U-shaped glass column which is attached directly to the base of the flame ionization or electron capture detector. This allows high efficiency analyses to be made on pesticides, steroids, organo metallics and polyfunctional organic chemicals which are thermally or catalytically unstable or have polar functional groups that, in the environment of the ordinary gas chromatograph, cause them to decompose or become irreversibly adsorbed.

The R&D Labs do not at present have such instrumentation. Therefore, we recommend purchase of such a chromatograph for initial use on the environmental Aroclor project and to broaden the capability of the Applied Sciences Section in the gas chromatographic analysis of unstable organic systems.

MONS 034703

Estimate No. 1908
Page 3

STATUS OF THE PROJECT

No commitments will be made until this project is approved.

RECOMMENDATION

It is recommended that this project be approved.

Submitted by

E. M. Emery
Group Leader

R. E. Keller
Research Section Manager

T. M. Patrick, Manager
R&D Laboratories

nw

8/28/68

MONS 034704

MONSANTO COMPANY

PROJECT AUTHORITY FOR EXPENDITURE
AND/OR RETIREMENT

PAGE 1 OF 1

(THIS FORM TO BE USED FOR AUTHORITIES REQUIRING GENERAL MANAGER AND LOWER LEVEL OF APPROVAL)

PLANT	BUDGET ITEM NO.	DEPT. NO.	DATE	ENG. JOB NO.	AUTHORITY NO.
Org. R&D Laboratories		76001-0000922	8/28/68		1908

DESCRIPTION, REASON AND JUSTIFICATION FOR WORK:

Purchase Biomedical Chromatograph

PREPARED BY	REVIEWED BY	APPROVALS							
		GENERAL MGR.	DATE	PROD. MGR.	DATE	PLANT MGR.	DATE	OTHER	DATE
Marchand									

ITEM	DESCRIPTION	EQUIPMENT		CONTR. WORK	MAT. & SUPP.	STORES O'HEAD	DIRECT LABOR	SHOP O'HEAD	TOTAL
		TRANS.	NEW						
1.	29-4976, Chromatograph 29-4977, Recorder 29-4978, Integrator 1-1908-29/76001-0000922 Life - 5 years (U Bldg.)		7000						7000

EXHIBIT
WBP M-271

INFORMATION FOR RETIREMENTS		INFORMATION FOR EXPENDITURES			
SUMMARY OF ITEMS TO BE RETIRED		CLASSIFICATION OF AMOUNT AUTHORIZED		PROJECT SUMMARY	
1. INSTALLED COST		8. CAPITAL EXPENDITURE	7000	14. PROJECT TOTAL (ORIG OR REV.)	7000
2. VALUE NOT RETIRED		9. REPAIR OR OTHER EXPENSE		15. LESS PREVIOUSLY AUTH:	
3. VALUE TO BE RETIRED (1-2)		10. LEASEHOLD IMPROVEMENTS		16. PROJECT TOTAL - THIS REQ. (14-15)	7000
4. ACCRUED DEPRECIATION ON VALUE TO BE RETIRED		11. TRANSFERRED EQUIPMENT		17. LESS TRANSFERRED EQUIP.	
5. DEPRECIATED VALUE (3-4)		12. DISMANTLING EXPENSE		18. NET CASH REQUIRED (16-17)	7000
6. AMT. EXPECTED FROM SALE, TRADE-IN, ETC.		13. TOTAL AMT. AUTHORIZED	7000	19. AMOUNT AUTHORIZED = (16)	7000
7. RETIREMENT LOSS (5-6)		8 + 9 + 10 + 11 + 12 = 13 + 14 0 2. LEVEL FOR CAPITAL APPROVAL			

USE FORM A-223-1 TO DETAIL RETIREMENTS

MON-MT-008602

TOWOLDMON0003288

WATER_PCB-00000310

R&D Laboratories - South Second Street

September 13, 1968

E. Emery
✓ S. Tucker

Hewlett-Packard Company

Purchase Order AT-9430

Vernon Fox

Stores - J.F.Q. Plant

Sometime ago an instrument containing a radioactive source material was lost before reaching the Research Department. At that time we instigated the following procedure for subsequent orders of like material or equipment:

"This order requires SPECIAL handling. Upon receipt of this equipment in the JFQ Storeroom, please inform:

Dr. Scott Tucker
Station 3439

Please deliver this equipment DIRECTLY to:

Dr. Scott Tucker
Lab 213, U Building

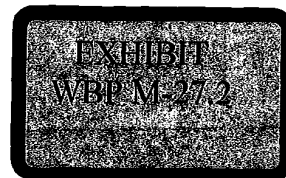
DO NOT LEAVE EQUIPMENT AT ANY DELIVERY STATIONS."

Attached is a Xerox copy of the Purchase Order. Since there is not space on the order to type this statement, will you please take action to insure that the procedure is carried out.

O. J. Marchand

mw

MON-MT-008603



REQUISITION TO PURCHASING DEPARTMENT

INSTRUCTIONS TO REQUISITIONER

1. THIS FORM MUST BE TYPEWRITTEN
2. DO NOT FILL IN SHADED AREAS
3. REMOVE 1ST COPY FOR YOUR FILES

PURCHASE ORDER

DATE	LOC.	NUMBER
9/13/68		AT-9430
REQUISITION NUMBER		

DEL. REQ'D.	EST. COST	INQUIRY NO.
9/13/68	2 wks. \$6785	

(IF KNOWN) Hewlett-Packard 2812 S. Brentwood Blvd. St. Louis, Mo. 63144 Attn: Mr. Lou Anderson	REMARKS
---	---------

FOB POINT	FREIGHT TERMS	ROUTE	TERMS
		EMERY AIR FREIGHT	

VENDOR

SHIP TO

2011 Kosciusko
St. Louis, Mo. 63177

P.C.	MC OR ITEM NO.	QUANTITY	UNIT	DESCRIPTION	NET UNIT PRICE	AMOUNT
	1.	1	ea.	Model 402 Basic Dual Flame Ionization Detector Gas Chromatograph	\$4000	
	2.	1	ea.	Model 7127A Moseley single-channel recorder	\$1100	
	3.	1	ea.	Option 03 Electron Capture Detector with high temperature NI ⁶³ foil (installed)	\$1000	
	4.	1	ea.	Recorder Option 07 - Disc Integrator (installed)	\$ 685	
A.E.C. License No. 24-01113-14-Amendment 07						
NOTE: <u>CONFIRMING ORDER</u> This order was verbally placed by our Dr. E. Emery to Mr. L. Anderson to reserve an instrument; however, no Purchase Order was issued.						
					SALES TAX	USE TAX
						EXEMPT

EXHIBIT
WBP M-27.3

ORDERED BY Marchand	F.E.O.C.	MATERIAL TO S. Tucker, Lab 213	DEPT. 76001-0000922	RECEIVING REPORT
DEPARTMENT APPROVAL <i>[Signature]</i>	STANDARDS APPROVAL	DATA REQUIRED	PURCHASING APPROVAL	
CHARGE NUMBER		VENDOR NO.		JOB NUMBER
DIV	PLT.	MAIN	SUB	CLASS
13-14	15-16	17-19	20-21	22-24
2	02	264	00	
		29-4976	Chromatograph	
		29-4977	Recorder	
		29-4978	Integrator	
		1-1908-29		

MON-MT-008604