



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

Statement on harmful and offensive content

The Hunt Institute Archives contains hundreds of thousands of pages of historical content, writing and images, created by thousands of individuals connected to the botanical sciences. Due to the wide range of time and social context in which these materials were created, some of the collections contain material that reflect outdated, biased, offensive and possibly violent views, opinions and actions. The Hunt Institute for Botanical Documentation does not endorse the views expressed in these materials, which are inconsistent with our dedication to creating an inclusive, accessible and anti-discriminatory research environment. Archival records are historical documents, and the Hunt Institute keeps such records unaltered to maintain their integrity and to foster accountability for the actions and views of the collections' creators.

Many of the historical collections in the Hunt Institute Archives contain personal correspondence, notes, recollections and opinions, which may contain language, ideas or stereotypes that are offensive or harmful to others. These collections are maintained as records of the individuals involved and do not reflect the views or values of the Hunt Institute for Botanical Documentation or those of Carnegie Mellon University.

About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

9/24/68
Westby

COMPUTER RUNS - WASTE DISPOSAL

Date	Run No.	Time in Seconds		Comment	
		CP	PP		
8/11	626	50	107	Charge	\$12.00
8/08	624	61	97	Charge	17.00
8/05	618	43	105	Charge	10.00
8/01	613	43	90	NC	
9/31	606	113	142	NC	
7/30	600	30	15	NC	
					\$39.00
				Amount Budgeted	70.00
				Balance	\$31.00

3 September 1969

I N V O I C E

Mr. Robert Westdyke
Department of Public Works
Municipal Building
Boulder, Colorado 80302

As per memo of agreement of 2 July 1969 and the attached
memo, please pay at your earliest convenience the sum of
\$650.00 to the Taximetrics Laboratory.

David J. Rogers
Director

DJR:gm
Enc.

UNIVERSITY OF COLORADO
BOULDER, COLORADO 80302

TAXIMETRICS LABORATORY
DEPARTMENT OF BIOLOGY
ARMORY 101

PHONE: 303-443-2211
Ext. 6712

2 July 1969

Mr. Robert Westdyke
Boulder Department of Public Works
Municipal Building
Boulder, Colorado 80302

Dear Mr. Westdyke:

According to the meeting of Tuesday Afternoon it is our understanding that we will provide the following services in connection with the rubbish disposal questionnaire:

1. Consultation necessary to set up the Define Items from the questionnaire.
2. To record the data found on the questionnaires on magnetic tape in TAXIR Define Item Format.
3. To verify the data once on tape against the data on the questionnaires.
4. To build an Accessioner with the given data.
5. To instruct your personnel in the querying of the system, and run a sufficient number of queries to get the feel of the TAXIR system, and to get essential information from the raw data.
6. To provide a cost analysis of the project.

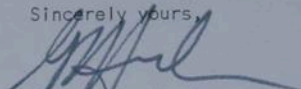
We further understand that there should be 900 questionnaires to process and that we should have the verified data on tape within four weeks. The cost of all consulting and training services are to be provided as per the attached memorandum and the necessary computer time will be billed to you on a direct use basis. A list of descriptors to be used is included.

If you have any questions you may contact either Mr. Estabrook or me.

The Taximetrics Laboratory has the right to use information about this project. Hopefully we will be able to cooperate on any publications concerning this collaboration.

If you are in agreement with this understanding of the project, please sign and return the enclosed copy as it will serve as a memorandum of agreement.

Sincerely yours,


Gilbert N. Hersh
Assistant to the Director

GNH:gm - *except that data concerning name & address, salary, family size remain confidential.*

Robert Westdyke
Accepted, Robert Westdyke

7/3/69
Date

*Call all
City of Boulder*

MEMO

TO: Dr. David J. Rogers, Director

FROM: Gilbert N. Hersh, Systems Analyst *GH*

REFERENCE: Garbage, City of Boulder

June 13, 1969

Discussion with Andy Briscoe in order to do the garbage study of 900-1000 questionnaires approximately 20 descriptors only, following statements were made:

- A. Consulting time for design; George Estabrook/Westyke: 4 man hrs.
- B. Hersh/Estabrook; Operations design: 2 man hrs. ea.
- C. Estabrook; TAXIR use training: 2 man days.
- D. Input time; machine and operator: 2 man weeks @ \$125.00 per/week.
- E. Magnetic tape: \$30.00
- F. Computing time: \$70.00

All Taximetrics Lab consulting at \$100.00 a day. Project not to begin before July 1 and to be completed within a month after acceptance. Total cost \$650.00.

Computer time to \$70.00 to be billed directly to the City of Boulder.

MEMO

TO: Dr. David J. Rogers, Director
FROM: Gilbert N. Hersh, Systems Analyst
REFERENCE: Garbage, City of Boulder

June 13, 1969

Discussion with Andy Brisco in order to do the garbage study of 900-1000 questionairs approximately 20 d&scriptors only, following statements were made:

- A. Consulting time for design; George Estabrook/Van Dyke: 4 man hrs.
- B. Hersh/Estabrook; Operations design: 2 man hrs. ea.
- C. Estabrook; TAXIR use training: 2 man days.
- D. Input time;machine and operator: 2 man weeks @ \$125.00 per/week.
- E. Magnetic tape: \$30.00
- F. Computing Time: \$70.00

All Taximetrics Lab consulting at \$100.00 a day. Project not to begin before July 1 and to be completed within a month after acceptance. Total cost \$650.00.

Computer time to \$70.00 to be billed directly to the City of Boulder.

2 July 1969

Mr. Robert Westdyke
Boulder Department of Public Works
Municipal Building
Boulder, Colorado 80302

Dear Mr. Westdyke:

According to the meeting of Tuesday Afternoon it is our understanding that we will provide the following services in connection with the rubbish disposal questionnaire:

1. Consultation necessary to set up the Define Items from the questionnaire.
2. To record the data found on the questionnaires on magnetic tape in TAXIR Define Item Format.
3. To verify the data once on tape against the data on the questionnaires.
4. To build an Accessioner with the given data.
5. To instruct your personnel in the querying of the system, and run a sufficient number of queries to get the feel of the TAXIR system, and to get essential information from the raw data.
6. To provide a cost analysis of the project.

We further understand that there should be 900 questionnaires to process and that we should have the verified data on tape within four weeks. The cost of all consulting and training services are to be provided as per the attached memorandum and the necessary computer time will be billed to you on a direct use basis. A list of descriptors to be used is included.

If you have any questions you may contact either Mr. Estabrook or me.

The Taximetrics Laboratory has the right to use information about this project. Hopefully we will be able to cooperate on any publications concerning this collaboration.

If you are in agreement with this understanding of the project, please sign and return the enclosed copy as it will serve as a memorandum of agreement.

Sincerely yours,

Gilbert N. Hersh
Assistant to the Director

GNH:gm

7/1/69
13:15 →

^B
Westdyke, ARCO (Boulder)
Leah, Eastbrook TC. (Kekaha)

↘ engineer (recent graduate) + programming To double team
Westdyke

Geo. theoretical outline -

Questions - only info source at this time

Ultimate objective:

Westdyke Background:

Systems study of refuse disposal

Response?

Gen. GE. BW - ~~Basically~~

What is objective of Research.

Confirmed

RW - is fed to know how toxic can
handle stuff info.

Impressed.

PURCHASE ORDER

DATE July 17, 1969

NUMBER 635

CITY OF BOULDER
COLORADO

USE THIS NUMBER ON INVOICE, SHIPMENTS, AND IN CORRESPONDENCE

VENDOR:

Taximetrics Laboratory
University of Colorado
Boulder, Colorado 80302

SHIP TO:

City of Boulder
Public Works Department
Municipal Building
Boulder, Colorado 80302

INVOICE:

CITY OF BOULDER
FINANCE DEPARTMENT
MUNICIPAL BUILDING
BOULDER, COLORADO 80302

ATT OF: Mr. R. Westdyke

DELIVERY DATE:

Per Schedule

TERMS:

ALL TRANSPORTATION
CHARGES MUST BE PREPAID

QUANTITY	UNIT	DESCRIPTION	ACCOUNT	UNIT PRICE	TOTALS
		Computer analysis and print-out of information supplied by solid waste questionnaire	16-02-7792-1		Approx. 650.00
		Not to exceed \$800			(Price depends on actual computer time at end of project)

CONFIRMING ORDER

PRICES ESTABLISHED BY: Public Works

CITY FORMAL BID NO. _____ WRITTEN QUOTATION NO. _____ ORAL _____

NAME OF REPRESENTATIVE _____ DATE _____

800.00
TOTAL AMOUNT OF ORDER

REQUISITION NO. P-579

ORDERED BY Robert Price
PURCHASING AGENT

Stephen P. Dickson
DIRECTOR OF FINANCE AND RECORD

APPROVED BY Ted Tedesco
CITY MANAGER

CHARGE ACCOUNT	AMOUNT	CHARGE ACCOUNT	AMOUNT
16-02-7792-1	800.00	(Not to exceed)	

Digitized by the Hunt Institute for Botanical Documentation

LEGEND: WHITE—VENDOR BLUE—FINANCE YELLOW—RECEIVING GOLD—PURCHASING PINK—ACKNOWLEDGMENT GREEN—CENTRAL RCVG.