

APPLIED SCIENCE CENTER FOR ARCHAEOLOGY, UNIVERSITY MUSEUM, UNIVERSITY OF PENNSYLVANIA

Archeological and geological equipment to be taken temporarily to Italy by Elizabeth K. Ralph

ITEM	VALUE	DATE PURCHASED	PURCHASED FROM:	COMMENTS
Elsec Proton Magneto- meter Type 592/7 Serial No. 112	\$2700.00	11/18/60	The Littlemore Scientific Engineering Co., Railway Lane, Littlemore, Oxford, Eng.	This instrument is now in England, but was previously imported into the USA and the duty paid.
Geohm Type 323, Serial No. 3519, made by Gossen Co., Erlangen, Bavaria	95.63	3/61	National Electronics P.O. Box 1237 Sheridan, Wyoming	
Prototype Sonic Device, sometimes called a "Seismic Probe"	1500.00	3/62	Designed and constructed= for the University Museum by MacLaughlin Electronics, Perkiomenville, Pa.	
Tektronix Portable Oscilloscope Type 321 with rechargeable batteries and additional Cathode Ray Tube with Type P-7 phosphor	900.00	3/63	Tektronix Inc. 126 Presidential Blvd. Bala Cynwyd, Pa.	
CIC (California Instruments Corp.) Wideband DC Amplifier Model 3104 and Differential Input Mode Model D3PB	825.00	3/63	Burlingame Associates 222 Long Lane Upper Darby, Pa.	
Brush Amplifier Model BL201RS and Recorder Model BL905 (Selectronics No. S-6345)	99.50	11/1/62	Selectronics, A. Silver & Sons 1207-25 S. Napa St., Philadelphia 46, Pa.	
Battery Charger and Miscellaneous Batteries and Small Tools, incl. <i>Triplet vms</i>	100.00	1/63	Black and Decker Co. 333 N. 20th St. Philadelphia, Pa. (Charger and batteries)	
TOTAL VALUE	\$6220.13			

February 15, 1963

University Museum
European Expedition (Italy, Yugoslavia, France, Great Britain)
Insurance Report

Submitted: May 8, 1969

Dates: May 9, 1969 to August (end date open; we will
notify you when equipment returns.)

Route: Italy, Yugoslavia, France, Great Britain and
return.

Equipment:

Cesium magnetometer: "Varian Associates Precision
Portable Model"
2 readouts, #49-116-90, #49-116-93..... \$ 5,000
2 sensors, #49-544-90, #49-544-93..... 10,000
2 30-volt battery packs..... 500
1 battery charger..... 50
Miscellaneous cables, carrying-straps,
and minor spare parts..... 100
Tektronix portable oscilloscope, type
321..... 900
2 Triplet model 310 Voltometer..... 70
Miscellaneous hand tools..... 50
Notebooks, tape measures, etc..... 50
Auto transformer, 110-220 volts..... 20
4 Halliburton carrying cases..... 240

Total \$16,980.00

Equipment borrowed from Varian Associates
Model V-4971 Portable Search Magnetometer
This includes the following:

1 Audio Readout
1 Sensor #49-544-195
2 Battery Packs
1 Battery Charger
1 Halliburton carrying case..... \$ 5,750.00

Personal Property of Elizabeth K. Ralph

1 Kodak Retina Reflex Camera
Body Ser. No. 102317
Lense Ser. No. 5 434 275..... \$ 200.00

ARM?
EQUIPMENT

File

[Dec. 22, 1970]

LIST OF EQUIPMENT

Property of University Museum, University of Pennsylvania, Phila., Pa.

1. Precision Portable Cesium Magnetometer, manufactured by Varian Associates, Palo Alto, California	
Components include	
2 Readouts Nos. 49-116-90 and 49-116-93	\$ 4,000
2 Sensors Nos. 49-544-90 and 49-544-23	10,000
3 30-volt battery packs	450
2 Battery chargers	60
Miscellaneous cables, carrying straps, tapes and spare parts	50
2. Model V-4971 Portable Search Magnetometer, manufactured by Varian Associates, Palo Alto, California.	5,750
Components include	
1 Audio Readout	
1 Sensor, No. 49-544-195	
1 30-volt battery pack	
1 Battery charger	
Miscellaneous cables, straps, and spare parts	
3. 1 Tektronix Portable Oscilloscope Type 321, manufactured by Tektronix, Inc., Oregon	900
4. 2 Triplet Model 310 Voltohmmeters	70
5. 1 or 2 cameras	200
6. 1 Gossen Co. Geohm, Type 323 and cables	100
7. 1 Auto Transformer, 220-110 volts, etc.	20
8. Miscellaneous hand tools for electronics repair	50
9. Notebooks, tape measures, simple drafting tools, etc.	50
10. Equipment enclosed in 5 or 6 Halliburton suitcases	250
11. Spare parts for Magnetometers: Oscillator, Voltage Regulator	100
12. Possibly 1 Fluxgate Magnetometer, regulator , if repaired in time	<u>2,000</u>
TOTAL	\$24,050

This equipment will all be used by members of the University Museum for the purpose of archaeological research in collaboration with the proper authorities in Mexico. It will be brought to Mexico by Elizabeth K. Ralph, Bruce Bevan, Froelich Rainey or Samuel Carpenter.

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1066 Du Pont Bldg.
Wilmington, Del.
December 28, 1970

Dr. Froelich Rainey

Mr. Hugh Sharp, Jr.

Mr. Carpenter asked me to advise you
that I have written for a reservation at the
Houston Airport Inn in Houston, Texas, for the
night of January 6.

Elizabeth Maloney
(Mrs.) Elizabeth Maloney
Secretary to Mr. Carpenter

To go to Sylvanis ASCA	EQUIPMENT	DATE OF ACQUISITION	GRANT	EST.	MANUFACTURER	COMMENTS AND REFERENCES
	E/sec Proton Magnetometer Type 592/7 Ser. 112	✓ 11/18/60	NSF G-13256	2000.00 2700.00 #16 H&R	The Littlemore Scientific Engineering Company Railway Lane Littlemore, Oxford, Great Britain	Now in England Previously imported in USA
	RCA Voltmeter 87B Ohmyst # 9553	✓ 12/21/60	NSF-G- 13256	137.50	General Radio Supply Company 600 Penn St. Camden, N.J.	
	#2 Curta Calculator and Case	✓ 3/15/61	NSF-G- 13256	176.95	Noll Business Machine Inc. 177 S. 17th St. Philadelphia 3, Penna. attn. Mr. Foster	With Livingston
S →	Geohm type 323 No. 3519	✓ 3/16/61	NSF*G* 13256	95.63 H&R #20	P. Gossen Erlangen, Bavaria Agents in USA: Natl. Electronics P.O. Box 1237 Sheriden, Wyoming	
	Geohm type 323 Geohm type 323	✓ No. 2913 4/25/61 ✓ No. 3518	NSF-G 13256	95.63 H&R #20 95.63 H&R 3/16/62	P. Gossen Erlangen, Bavaria Agents in USA: Natl. Electronics P.O. Box 1237 Sheriden, Wyoming	
	Seismograph Model MD-1 Ser. No. 31746	✓ 7/25/61	NSF-G- 13256	1625.00 H&R #20 1675.00	Geophysical Specialties Co. 15409 Robinwood Drive Hopkins, Minn.	

EQUIPMENT	DATE OF ACQUISITION	GRANT	EST.	MANUFACTURER	COMMENTS AND REFERENCES
Metric Distometer	12/1/61	NSF-G 18571	49.50	Forestry Suppliers Inc. Box 8305 Butterfield Station Jackson, Miss.	left in Italy
Increment Borer #4337 $\frac{1}{2}$	12/26/61 ✓	NSF-G 18571	38.40	Forestry Suppliers Box 8397 Butterfield Station 960 Southwest Street Jackson, Miss.	
Increment Borer #4337 $\frac{1}{2}$	3/16/62 ✓	NSF-G 18571	38.40	Forestry Suppliers Box 8397 Butterfield Station 960 Southwest Street Jackson, Miss.	
Metal Detector single loop Type T-10-X, M-Scope	9/27/62 ✓	NSF-G 18571	127.00 ✓	Fisher Research Lab. Inc. 1975 University Ave. Palo Alto, Calif.	
1" Water Pump Jabsco model 777	11/5/62 ✓	NSF-GS 16	38.50	Robert J. Fitzmeyer Co. 1915 W. Clearfield Street Philadelphia 32, Penna.	
1 Aqua Valve Box Locator	11/29/62 ✓	NSF-GS 16	35.00	Aqua Survey and Instruments Co. 7041-43 Vine St. at Seymour Cincinnati 16, Ohio	
Auger 1 $\frac{1}{2}$ Diam Screw type Extension	1/11/63 ✓	NSF-GS 16	10.00	Soiltest Inc. 4711 W. North Ave. Chicago 39, Ill.	
Wrenches: Socket Box Pipe	10/62 ✓		50.00	Sears Roebuck and Co. 4640 Roosevelt Blvd. Philadelphia 32, Pa.	

EQUIPMENT	DATE OF ACQUISITION	GRANT	EST	MANUFACTURER	COMMENTS AND REFERENCES
Mighty Midget Earth Drill (and parts)	1961 ✓ BAV 100	HGR #20	2500.00 3,100.00	Houston Tool Co. Santa Susana, Calif.	
S Prototype Sonic Detector "Seismic Probe"	3/62 ✓	HGR #31	5000.00 1500	MacLaughlin Electronics Perkiomenville, Pa.	
Proton Gradiometer	4/62 ✓	Ins.	1000.00 500	MacLaughlin Electronics Perkiomenville, Pa.	
1/4" Drill Battery powered Cordless	4/62 ✓		60.00	Black and Decker 333 N. 20th St. Philadelphia Pa. (Attn. Mr. Clark)	
→ 1/2" Drill and Batteries Cat. No. 918 Ser. No. 4994203 P With two 51900 Power Packs	10/62 ✓	Ins.	285.00	Black and Decker 333 N. 20th St. Philadelphia, Pa. (Attn. Mr. Clark)	
S → Triplet Voltmeter Model 310-VOM	2/5/63 ✓	NSF-GS-16	35.00	Herbach and Rademan 1204 Arch St. Philadelphia 7, Pa. (Attn. Mr. Bunkin)	Triplet Elect. Inst. Co Bluffton, Ohio
→ Simpson Voltmeter "Midget Tester" Model 355	2/5/63 ✓	NSF-GS-16	35.00	Herbach and Rademan 1204 Arch St. Philadelphia 7, Pa. (Attn. Mr. Bunkin)	Simpson Elect. Co. 5200 W. Kinzie St. Chicago 44, Ill.

ASCA EQUIPMENT, CONTINUED

Items	✓	Value	Received	Purchased From
S Tektronix Portable Oscilloscope Type 321	✓	\$820	March 1963	Tektronix Inc, 126 Presidential Blvd Bala Cynwyd, Pa.
S Rechargeable Batteries for above	✓	55	"	"
S Additional Cathode Ray Tube with Type P-7 Phosphor for above	✓	75	"	"
S CIC (California Instruments Corp.) Model 3104 Wideband DL Amplifier	✓	\$640	"	Burlingame Associates 222 Long Lane Upper Darby, Pa.
S and CIC Model D3PB Differential Input Mode	✓	185	"	"
S → Brush Amplifier and Recorder Model R01 (Selectronics S-6345) BL 201 RS BL 905 S/N 1686 and BL 201 S/N 992	✓	99.50	Nov. 1, 1962	Selectronics A. Silver & Sons 1207-25 South Napa St, Phila. 46, Pa.
Misc. Black & Decker Batteries & Battery charger		100		Burlingame Associates 510 So. Fulton Ave. Mt. Vernon, N.Y.

ins.
1900

825

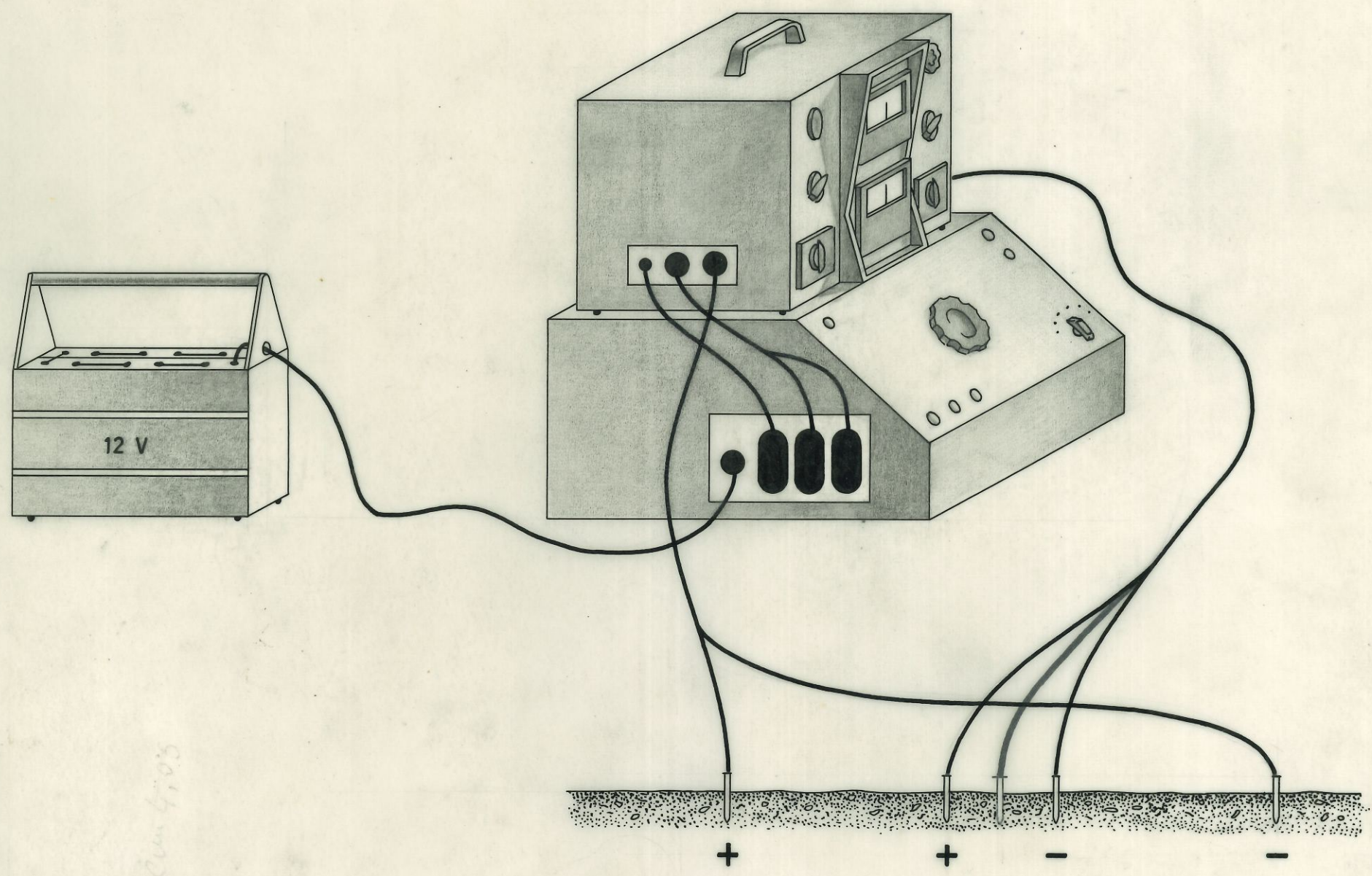
100
no ins.

+ repair \$309.50

late 2

101

APPARECCHIATURA PER RICERCHE ARCHEOLOGICHE



Clm 6,03

Potentiometer

FONDAZIONE LERICI

altezza puzze