

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 56788**

<b>ACTION STAINLESS &amp; ALLOYS INC.</b> 12746 O'CONNOR SAN ANTONIO, TX 78233	SHIP TO:	P.O. DATE <b>04/14/95</b>
		SHIP VIA <b>YOUR TRUCK</b>
		F.O.B. POINT <b>DESTINATION</b>
		TERMS <b>NET 30</b>
UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS		DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN <b>04/20/95</b>

ATTN: **RANDY 6370277**      **014470**      GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	12" X 12" X 3/32" GRADE 2 COMMERCIALY PURE TITANIUM PLATE  DELIVER, ONE WEEK  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  RECEIVING DO NOT INSPECT.  AM  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		60.00	60.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.	
TO BE USED FOR <b>IWPR PROJECT</b>	DELIVER TO <b>DARRELL DUNN/57</b>
APPROVED BY	REQ. NUMBER <b>944348</b> BUYER <b>ABELARDO MORALES</b>
ACCOUNT NO. <b>20-5704-045</b>	AMOUNT <b>60.00</b> ACCOUNT NO. AMOUNT TYPST <b>10</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

5. DEPARTMENT

**TEXAS SALES TAX EXEMPTION**  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 46717**

**ALDRICH CHEMICAL CO.**  
P O BOX 355  
ACCT # 425907  
MILWAUKEE, WI 53201

SHIP  
TO:

P.O. DATE **01/24/95**  
SHIP VIA **FEDERAL EXPRESS P-2**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN **01/31/95**

ATTN: **MARY 85589160**

**000315**

GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	4-BENZOYL-3METHYL-1-PHENYL-2-PYRAZOLIN-5-ONE, 99% ALDRICH CATALOG #15,660-4 (25G)		48.80	48.80
B	1	EACH	BIS (2-ETHYLHEXYL) HYDROGEN PHOSPHATE, 97% ALDRICH CATALOG #23,782-5 (100G)  DELIVERY WILL BE 1-27-95  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  RECEIVING DO NOT INSPECT.  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		24.60	24.60

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR	DELIVER TO <b>D. PICKETT/B 57</b>	REQ. NUMBER <b>944578</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-073</b>	AMOUNT <b>73.40</b>	ACCOUNT NO. AMOUNT TYPIST <b>01</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**TEXAS SALES TAX EXEMPTION**

ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070644.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 50263****5. DEPARTMENT**

**EG & G ORTEC**  
 (FAX: 615-483-0396)  
 100 MIDLAND RD.  
 OAK RIDGE, TN 37030

SHIP TO:

P.O. DATE **03/08/95**SHIP VIA **BEST WAY**F.O.B. POINT **SHIPPING POINT**TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN**03/13/95**ATTN: **6154824411****034063**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	REPAIR & CALIBRATION OF MODEL 920-B MULTICHANNEL BUFFER  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  JL  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		150.00	150.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>ANALOG PROJECT</b>	DELIVER TO <b>J. PRIKRYL/057</b>	REQ. NUMBER <b>944308</b>	BUYER <b>JESSE LOZANO</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-063</b>	AMOUNT <b>150.00</b>	ACCOUNT NO. AMOUNT TYPST <b>10</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

Vendor:  
FISHER SCIENTIFIC  
P.O. BOX 1307  
ACCT #784214-02  
HOUSTON, TEXAS 77001

Ship To:

PO. Date: 08/02/95  
Via: YOUR TRUCK  
FOB: SWRI  
Terms:NET 30

Attn:MARTHA 8009260660 002585

NRC-02-93-005

Deliver by: 08/11/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	4	EACH	500 ML. BOTTLE OLEIC ACID, CAT NO. MK-2744-500		19.11	76.44

DELIVERY; 8-4-95

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."

SE

To be used for:  
ANALOGUE MODELING

Deliver to:  
B. RAHE, A. RAMOS/B 57

Req. no. Buyer:  
978589 STEVEN EVANS, C.P.M.

Approved by:

Account no: 20-5704-166  
Amount: 76.44

Typist:  
10

NO: 63724

Vendor:  
 FISHER SCIENTIFIC  
 P.O. BOX 1307  
 ACCT #784214-02  
 HOUSTON, TEXAS 77001

Ship To:

PO. Date: 06/26/95  
 Via: FEDERAL EXPRESS P-2  
 FOB: SHIPPING POINT  
 Terms: NET 30

Attn: EMILY 8009266060 002585

NRC-02-93-005

Deliver by: 07/03/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EACH	07-578-3B INDICATING DRIERITE ABSORBENT		35.70	35.70
B	1	CS	07-577-3B DRIERITE ABSORBANT		40.00	40.00
C	2	CS	06-666C LAB WIPES		51.66	103.32
D	2	EACH	14-511-65 OCTAGONAL STIR BARS		3.30	6.60
E	4	EACH	14-511-64 OCTAGONAL STIR BARS		2.62	10.48
F	1	EACH	SB96-500 CERTIFIED BUFFER SOLUTION PH200		6.39	6.39
G	1	EACH	SB 140-500 CERTIFIED BUFFER SOLUTION PH100		6.58	6.58
H	1	EACH	SB91-500 CERTIFIED BUFFER SOLUTION PH400		5.22	5.22
I	1	EACH	SB 102-500 CERTIFIED BUFFER SOLUTION		5.08	5.08

\*\*\* CONFIRMING ORDER \*\*\*

To be used for:

Deliver to:  
 JAMES PRIKVYL/57

Req. no. Buyer:  
 984731 STEVEN EVANS, C.P.M.

Approved by:

Account no:  
 20-5704-073

Amount:  
 120.65 20-5704-152

Typist:  
 120.64 01

Vendor:  
 FISHER SCIENTIFIC  
 P.O. BOX 1307  
 ACCT #784214-02  
 HOUSTON, TEXAS 77001

Ship To:  
 \*\*\*\*\*  
 \*\* PO. Date: 06/26/95  
 \*\* Via: FEDERAL EXPRESS P-2  
 \*\* PAGE 2  
 \*\* FOB: SHIPPING POINT  
 \*\* CONTINUATION  
 \*\* Terms: NET 30  
 \*\*  
 \*\*\*\*\*

Attn: EMILY 8009266060 002585

NRC-02-93-005

Deliver by: 07/03/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
			PH500			
J	1	EACH	SB104-500 CERTIFIED BUFFER SOLUTION PH600		6.26	6.26
K	1	EACH	SB108-500 CERTIFIED BUFFERED SOLUTION PH700		5.22	5.22
L	1	EACH	SB114-500 CERTIFIED BUFFERED SOLUTION PH900		5.22	5.22
M	1	EACH	SB116-500 CERTIFIED BUFFERED SOLUTION PH10.00		5.22	5.22

DELIVERY WILL BE 7-3-95

"IF THIS ORDER INCLUDES A GOVERNMENT  
 CONTRACT NUMBER, THEN ANY PROPERTY  
 FURNISHED HERewith IS CONSIDERED  
 GOVERNMENT-FURNISHED PROPERTY WHICH MUST  
 BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,  
 PART 45. REFER TO GENERAL PURCHASE

To be used for:

Deliver to:  
 JAMES PRIKVYL/57

Req. no. Buyer:  
 984731 STEVEN EVANS, C.P.M.

Approved by:

Account no: Amount:

Typist:  
 01

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0, TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 44633

**FISHER SCIENTIFIC**  
 P.O. BOX 1307  
 ACCT 0784214-02  
 HOUSTON, TEXAS 77001

SHIP TO:

P.O. DATE **01/16/95**  
 SHIP VIA **UPS 2-DAY**  
 F.O.B. POINT **SHIPPING POINT**  
 TERMS **NET 30**  
 DELIVERY IS REQUIRED  
 AT DESTINATION  
 NO LATER THAN **01/20/95**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

ATTN: **EMILY 8009266060 002505**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	NUTRIENT AGAR, 1.5% (DF0069-17-9)		62.31	62.31
B	1	EACH	MARINE AGAR 2216, 500 G (DF0979-17-8)		86.02	86.02
C	1	EACH	MARINE BROTH 2216, 500 G, (DF0791-17-4)		77.78	77.78
D	1	EACH	R2A AGAR, 500G (DF1826-17-1)		61.63	61.63
E	1	EACH	TRYPTIC SOY BROTH, 500G (DF370-17-3)		20.74	20.74
F	1	EACH	TRYPTIC SOY AGAR, 500G (DF0369-17-6)		30.84	30.84
G	1	EACH	LACTIC ACID, 500ML (A162-500)		26.60	26.60
H	1	EACH	AGAR, BACTO, 1LB (DF140-01-0)		101.19	101.19
I	1	EACH	YEAST EXTRACT, 500G (DF0127-17-9)		57.46	57.46
J	1	EACH	CASAMINO ACIDS, 500G, (DF0230-17-3)		49.47	49.47

\*\*\* CONFIRMING ORDER \*\*\*

PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE  
 PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>IMPE/B 57</b>	DELIVER TO <b>N. SRIDHAR/57</b>	REQ. NUMBER <b>944573</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-044</b>	AMOUNT <b>574.04</b>	ACCOUNT NO. AMOUNT TYPIST <b>01</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 39555**

**FISHER SCIENTIFIC**  
**P.O. BOX 1307**  
**ACCT #784214-02**  
**HOUSTON, TEXAS 77001**

SHIP TO:

P.O. DATE **11/08/94**  
 SHIP VIA **FEDERAL EXPRESS P-1**  
 F.O.B. POINT **SHIPPING POINT**  
 TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
 AT DESTINATION  
 NO LATER THAN **11/11/94**

ATTN: **EMILY 800-924-6040 002585**

GOVT. CONTRACT NO.

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	2	EACH	500 G OF NICKEL, CATALOG #N54-500		63.84	127.68
B	2	EACH	500 G OF CHROMIUM CHLORIDE, CATALOG #C325-500		55.68	111.36
<p>DELIVERY WILL BE 11/09/94.</p> <p>*** CONFIRMING ORDER ***</p> <p>RECEIVING DO NOT INSPECT.</p> <p>SE</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>						

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUFFICIENT DELIVERY DATE.

TO BE USED FOR <b>IR&amp;D PROJECT</b>		DELIVER TO <b>N. SRIDHAR/BLDG. 57 (5538)</b>	REQ. NUMBER <b>944544</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	ACCOUNT NO. <b>20-9874-001</b>	AMOUNT <b>239.04</b>	ACCOUNT NO.	AMOUNT <b>08</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



Vendor:  
FLUKA CHEMICAL CORP.  
ACCT. #522  
980 SOUTH SECOND STREET  
RONKONKOMA, NEW YORK 11779

Ship To:

PO. Date: 08/09/95  
Via: FEDERAL EXPRESS P-2  
FOB: SWRI  
Terms:NET 30

Attn:BARBARA 8003585287 025270

NRC-02-93-005

Deliver by: 08/11/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	3	EACH	URANYL ACETATE DIHYDRATE CAT NO. 94260	100G	127.75	383.25

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."

HH

To be used for:  
CNWRA LAB

Deliver to:  
J. PRIKRYL / B 57

Req. no. Buyer:  
944388 HENRY HERRERA

Approved by:

Account no: 20-5704-152  
Amount: 383.25

Typist:  
10

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 30169**

**FLUKA CHEMICAL CORP.**  
**ACCT. #522**  
**980 SOUTH SECOND STREET**  
**RONKONKOMA, NEW YORK 11779**

**SHIP TO:**P.O. DATE **03/09/95**SHIP VIA **FEDERAL EXPRESS P-1**F.O.B. POINT **SHIPPING POINT**TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN **03/13/95**ATTN: **CAROLINE 8003585207 025270**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	5	PK	URANYL ACETATE DIHYDRATE, CAT NO. 94260 100 GRAMS/PK  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  RECEIVING DO NOT INSPECT.  AM  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		119.40	597.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>NEAR-FIELD PROJECT</b>	DELIVER TO <b>R.T. PABALAN/057</b>	REQ. NUMBER <b>944311</b>	BUYER <b>ADELARDO HORALES</b>
APPROVED BY	ACCOUNT NO. <b>26-5704-152</b>	AMOUNT <b>597.00</b>	ACCOUNT NO. AMOUNT <b>10</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

NO: 70912

Vendor:  
 HACH CO.  
 P.O. BOX 389  
 ACCT. #91880  
 LOVELAND, CO 80539

Ship To:

PO. Date: 08/17/95  
 Via: FEDERAL EXPRESS P-1  
 FOB: SHIPPING POINT  
 Terms: NET 30

Attn: SHANNON 800-227-4224012099

NRC-02-93-005

Deliver by: 08/21/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EA	14 299-00 DEMINERALIZER BOTTLE, 6 OZ		8.50	8.50
B	1	EA	14551-68 PH 3.7 BUFFER POWDER PILLOWS (PACK)		8.30	8.30
C	1	EA	895-68 PH 4.5 BUFFER POWDER PILLOWS (PACK)		8.30	8.30
D	1	EA	896-68 PH 4.8 BUFFER POWERDER PILLOWS (PACK)		8.30	8.30
E	1	EA	898-68 PH 8.3 BUFFER POWDER PILLOWS (PACK)		8.30	8.30
F	1	EA	987-68 PH 5.1 BUFFER POWDER PILLOWS (PACK)		8.30	8.30
G	1	EA	17205-00 DELIVERY TUBES, STRAIGHT (PACK)		2.95	2.95

\*\*\* CONFIRMING ORDER \*\*\*  
 "IF THIS ORDER INCLUDES A GOVERNMENT

To be used for:  
 GH&GC PROJECT

Deliver to:  
 DAVID PICKET/57 X5582

Reg. no. Buyer:  
 978702 ABELARDO MORALES

Approved by:

Account no: 20-5704-063  
 Amount: 52.95

Typist:  
 05

NO: 37002

Vendor:

DR. ALEX HALLIDAY  
 RADIOGENIC ISOTOPE LAB  
 DEPT OF GEOLOGICAL SCIENCES  
 UNIVERSITY OF MICHIGAN  
 2524 CC LITTLE BUILDING  
 ANN ARBOR, MI 48109

Ship To:

PO. Date: 09/06/95  
 Via: MAIL  
 FOB: DESTINATION  
 Terms: NET 30

Attn: DR. ALEX HALLIDAY 035763 \*AP DIRECT\*

NRC-02-93-005

Deliver by: 09/22/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	9	SAMPLES	JOB: 40 AR/39 AR DATING* OF 9 ROCK SAMPLES FROM MESA BUTTE AREA OF SAN FRANCISCO VOLCANIC FIELD.		866.00	7,794.00

\*ANALYSIS COMPRISES INITIAL ROCK PREPERATION, IRRADIATION, AND STEPWISE HEATING OF EACH SAMPLE, AND MEASUREMENT OF ISOTOPIC ON COMPOSITION BY MASS SPECTROMETER.

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HEREWITH IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."

VK

To be used for:  
 TECTONICS

Deliver to:  
 \*M. CONWAY/A. LOPEZ/189

Req. no. Buyer:  
 978521 V. KRAUSE

Approved by:

Account no: 20-5704-164  
 Amount: 7,794.00

Typist:  
 01



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

**30051**

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE. SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. **11/27/94**

5. DEPARTMENT  
**HARVARD UNIVERSITY**  
DEPARTMENT OF EARTH AND  
PLANETARY SCIENCES  
20 OXFORD STREET  
(FX: 617 495 8839)  
CAMBRIDGE, MA 02138

SHIP TO:

P.O. DATE  
SHIP VIA **FEDERAL EXPRESS P-1**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN **COMPLETE**

ATTN: **WILLIAM 6174954750 034230 \*AP DIRECT\*** GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	TOPSHAM URANINITE PROBE STANDARD		100.00	100.00
B	1	EACH	URANOPHANE PROBE STANDARD		75.00	75.00
<p>*** CONFIRMING ORDER ***</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*</p> <p>SE</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>						

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>ANALOGS RESEARCH</b>	DELIVER TO <b>*PEARCY/BLDG 57</b>	REQ. NUMBER <b>944555</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	<b>20-5704-063</b>	ACCOUNT NO.	AMOUNT <b>175.00</b> <b>01ST</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
8220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

## PURCHASE ORDER

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

### No. 44573

NATIONAL INSTITUTE OF STANDARDS &  
TECHNOLOGY (NIST)  
BLDG. 202, ROOM 205  
ACCT #101  
GAITHERSBURG, MD 20899

SHIP  
TO:

P.O. DATE **01/06/95**  
SHIP VIA **FEDERAL EXPRESS P-1**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN

**01/18/95**

ATTN: **YVONNE 3019755531**

**924373**

GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	SRM 4275C MIXED RADIONUCLIDE POINT SOURCE (DEPOSITED ON 6MM SPOT, SEALED BETWEEN LAYERS OF POLYESTER TAPE, MOUNTED ON ALUMINUM RING)  DELIVERY WILL BE 1-16-95  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HEREWITH IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  RECEIVING DO NOT INSPECT.  SE  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		835.00	835.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR	DELIVER TO <b>IDDINGS/*PICKETTE/BLDG. 63</b>	REQ. NUMBER <b>944568</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-063</b>	AMOUNT <b>835.00</b>	ACCOUNT NO. <b>01</b>

NO: 69264

Vendor:  
SIGMA CHEMICAL CO.  
P.O. BOX 14508  
3500 DEKALB ST  
ACCT #208580492  
ST LOUIS, MO 63118

Ship To:

PO. Date: 08/17/95  
Via: FEDERAL EXPRESS P-1  
FOB: SHIPPING POINT  
Terms: NET 30

Attn: MARY 800-325-3010 006052

NRC-02-93-005

Deliver by: 08/21/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	500G	SODIUM PYROPHOSPHATE S9515		29.20	29.20
B	1	EA	PHOSPHATE BUFFERED SALINE P4417 (100 TABLETS )		46.00	46.00

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."

RECEIVING DO NOT INSPECT.

AM

To be used for:  
IWPE/MIC

Deliver to:  
PETER ANGELL X5797/B57

Req. no. Buyer:  
978701 ABELARDO MORALES

Approved by:

Account no: 20-5704-044  
Amount: 75.20

Typist:  
05



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

### TEXAS SALES TAX EXEMPTION

ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. **44532**

5. DEPARTMENT

SOIL MOISTURE EQUIPMENT CORP.

P. O. BOX 30025  
SANTA BARBARA, CA 93105

SHIP  
TO:

P.O. DATE **12/29/94**  
SHIP VIA **FEDERAL EXPRESS P-1**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN **01/11/95**

ATTN: **GARY 8059643525** **822830**

GOVT. CONTRACT NO. **NRC-92-93-003**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	6	EACH	5 BAR STANDARD CERAMIC PLATE 0604D06-B5M1  DELIVERY WILL BE 1-4-95  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*  RECEIVING DO NOT INSPECT.  SE  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		53.00	318.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>HC LAB BLDG. 51</b>	DELIVER TO <b>*E. PEARCY/K. MEYER/51</b>	REQ. NUMBER <b>944562</b>	BUYER <b>STEVEN EVANS, C.P.M.</b>
APPROVED BY	ACCOUNT NO. <b>28-5704-063</b>	AMOUNT <b>318.00</b>	ACCOUNT NO. AMOUNT TYPIST <b>01</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 36959**

**SOUTHERN METHODIST UNIVERSITY**  
**3225 DANIEL AVENUE**  
**DALLAS, TX 75275**

SHIP TO:

P.O. DATE **10/21/94**SHIP VIA **MAIL**F.O.B. POINT **DESTINATION**TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN**10/21/94**ATTN: **DAVID BLACKWELL 034004**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	20	EA	A- SIZE THERMAL CONDUCTIVITY		40.00	800.00
B	14	EA	B-SIZE THERMAL CONDUCTIVITY		40.00	560.00
C	1	EA	A-SIZE GLASS - THERMAL CONDUCTIVITY EXPERIMENT		40.00	40.00
<p><b>*** CONFIRMING ORDER ***</b></p> <p><b>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*</b></p> <p><b>PLEASE ANSWER THE FOLLOWING QUESTIONS:            VENDOR CERTIFICATION            (REF. FAR 19.101-202)</b></p> <p><b>1. DO YOU QUALIFY AS A SMALL BUSINESS</b></p> <p><b>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</b></p>						

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>CNURA LAB</b>	DELIVER TO <b>R.GREEN/57 X5305</b>	REQ. NUMBER <b>944522</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO. <b>20-5701-191</b>	AMOUNT <b>700.00</b>	ACCOUNT NO. <b>20-5704-023</b>
		AMOUNT <b>700.00</b>	TYPST <b>05</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

NO: 65181

Vendor:  
 SPOT IMAGE CORPORATION  
 (FAX: 703-648-1813)  
 1897 PRESTION WHITE DRIVE  
 RESTON, VA 22091

Ship To:

PO. Date: 07/14/95  
 Via: SEE BELOW  
 FOB: SHIPPING POINT  
 Terms: 2% 10 NET 30

Attn: JOHN 7036483151

035496

NRC-02-93-005

Deliver by: 08/11/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EACH	SPOT SCENE, PANACHROMATIC (P), SPOT SATELLITE IMAGERY, LEVEL 1A FORMAT/RECTIFICATION, OF KAMCHATKA, FORMER USSR, TOLBACHIK VOLCANO, WITH SCENE ID: 3-357237-940703-004210-1-P AND APPROXIMATELY OVER THE GROUND FRAME OUTLINED BY THE FOLLOWING LATITUDE/LONGITUDE PARALLELOGRAM:  3-357237-940703-004210-1-P N55.5117 E160.4124 //N55.8411 E160.1023 N55.6903 E161.0223 //N55.3285 E159.8112  WITH CLOUD COVER "AAAAABBB" (VERY LITTLE CLOUD COVER).  PREFERRED DELIVERY FORMAT: CDROM/CR-RECORDABLE \$2600.00 ADDITIONAL CDROM/CD-RECORDABLE COPY FOR QA TRACEABILITY \$250.00		2850.00	2,850.00

\*\*\* CONFIRMING ORDER \*\*\*

To be used for:  
 VOLCANISM GIS

Deliver to:  
 \*MARTIN/A.LOPEZ/189

Req. no. Buyer:  
 978619 HEATHER SCHULTZ

Approved by:

Account no: 20-5704-145  
 Amount: 2,850.00

Typist:  
 01

Vendor:  
 SPOT IMAGE CORPORATION  
 (FAX: 703-648-1813)  
 1897 PRESTION WHITE DRIVE  
 RESTON, VA 22091

Ship To:

PO. Date: 07/14/95  
 Via: SEE BELOW  
 FOB: SHIPPING POINT  
 Terms: 2% 10 NET 30

Attn: JOHN 703-648-3151 035496

NRC-02-93-005

Deliver by: 08/11/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EA	SPOT ALBUM: PRE-1990 SPOT SATELLITE IMAGERY, PANACHROMATIC (P), LEVEL 1A FORMAT/RECTIFICATION, OF KAMCHATKA, FORMER USSR, TOLBACHIK VOLACANO, WITH SCENE ID: 1-357236-871103-004154-1-P AND APPROXIMATELY OVER THE GROUND FRAME OUTLINE BY THE FOLLOWING LATITUDE/LONGITUDE PARALLELGRAM: 1-357236-871103-004154-1-P N55.9711 E160.3756 N56.3011 F160.0614 N56.1514 E160.9908 N55.7875 F159.7675  WITH CLOUD COVER "0000" (ZERO TO 10% ALL QUADRANTS)  PREFERRED DELIVERY FORMAT: CDROM/CD-RECORDABLE  ADDITIONAL CDROM/CD-RECORDABLE COPY		1450.00	1,450.00

\*\*\* CONFIRMING ORDER \*\*\*

To be used for:  
 VOLCANISM GIS

Deliver to:  
 R.MARTIN/A.LOPEZ/189

Req. no. Buyer:  
 978620 HEATHER SCHULTZ

Approved by:

Account no: 20-5704-145  
 Amount: 1,450.00

Typist:  
 05

Vendor:  
SPOT IMAGE CORPORATION  
(FAX: 703-648-1813)  
1897 PRESTION WHITE DRIVE  
RESTON, VA 22091

Ship To:  
\*\*\*\*\*  
\*\* PO. Date: 07/14/95  
\*\* Via: SEE BELOW  
\*\* PAGE 2  
\*\* FOB: SHIPPING POINT  
\*\* CONTINUATION  
\*\* Terms: 2% 10 NET 30  
\*\*  
\*\*\*\*\*

Attn: JOHN 703-648-3151 035496

NRC-02-93-005

Deliver by: 08/11/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
------	----------	------	-------------	-----------------	------------	-------------

FOR QA TRACEABILITY.

SHIP FEDERAL EXPRESS PRIORITY ONE  
FREIGHT COLLECT ON ACCOUNT NUMBER  
0782-0001-4.

"IF THIS ORDER INCLUDES A GOVERNMENT  
CONTRACT NUMBER, THEN ANY PROPERTY  
FURNISHED HERewith IS CONSIDERED  
GOVERNMENT-FURNISHED PROPERTY WHICH MUST  
BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,  
PART 45. REFER TO GENERAL PURCHASE  
ORDER TERMS AND CONDITIONS FOR RISK  
OF LOSS."

HS

To be used for:  
VOLCANISM GIS

Deliver to:  
R.MARTIN/A.LOPEZ/189

Req. no. Buyer:  
978620 HEATHER SCHULTZ

Approved by:

Account no: Amount:

Typist:  
05

NO: 33452

Vendor:  
 TECHNICAL SOFTWARE & ENGINEERING  
 (FAX: 214-699-1211)  
 2506 SPRINGWOOD LANE  
 RICHARDSON, TX 75082

Ship To:

PO. Date: 06/13/95  
 Via: N/A  
 FOB: DESTINATION  
 Terms: NET 30

Attn: MOHAN SETH

035315 \*AP DIRECT\*

NRC-02-93-005

Deliver by: 06/15/96

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
------	----------	------	-------------	-----------------	------------	-------------

A	1	JOB	TIME AND MATERIALS SUBCONTRACT FOR SERVICES FOR TECHNICAL SOFTWARE AND ENGINEERING (MOHAN SETH) IN ACCORDANCE WITH STATEMENT OF WORK DATED APRIL 19, 1995.		80340.00	80,340.00
---	---	-----	--	--	----------	-----------

THE TERMS AND CONDITIONS OF THE SUBCONTRACT SUPERSEDE THOSE OF THE PURCHASE ORDER.

MONTHLY PROGRESS REPORTS SHALL ACCOMPANY INVOICES.

PLEASE ROUTE INVOICES TO VERA ELIZONDO AND ANNA LOPEZ FOR NARASI SRIDHAR/ENGLISH PEARCY/ROBERT BACA FOR APPROVAL.

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY

To be used for:  
 SUBCONTRACT WORK

Deliver to:  
 N.SRIDHAR/A.LOPEZ/189

Reg. no. Buyer:  
 965126 VERA C. ELIZONDO

Approved by:

Account no:	Amount:	Reg. no.	Buyer:	Typist:
20-5702-523	43,979.72	20-5704-173	4,200.98	05
20-5704-175	3,019.98	20-5704-176	2,939.64	

NO: 63610

Vendor:  
 TEXAS A & M UNIVERSITY  
 DEPT OF GEOLOGY & GEOPHYSICS  
 (FX: 409 845 6162)  
 COLLEGE STATION, TX 77843

Ship To:  
 2

PO. Date: 06/09/95  
 Via: UPS  
 FOB: SHIPPING POINT  
 Terms: NET 30

Attn: RN GUILLEMETTE

035301 \*AP DIRECT\*

NRC-02-93-005

Deliver by: COMPLETE

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EACH	BSE & WDS ANALYSES OF U MINERALS IN THIN SECTION ON APRIL 5, 6, 16, & 17 1994		923.00	923.00
B	1	EACH	BSE & WDS ANALYSES OF U MINERALS IN THIN SECTION ON MARCH 14 AND APRIL 17, 18, AND 20, 1995		1257.50	1,257.50

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS."

SE

To be used for:  
 ANALOGS RESEARCH

Deliver to:  
 \*J.PRIKRYL/57

Req. no. Buyer:  
 944365 STEVEN EVANS, C.P.M.

Approved by:

Account no:  
 20-5704-063

Amount:  
 2,180.50

Typist:  
 01

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 36961**

<b>TEXAS TECH UNIVERSITY</b> <b>DEPT. OF GEOSCIENCES</b> <b>(FAX: 806-742-0100)</b> <b>P. O. BOX 4109</b> <b>LUBBOCK, TX 79409</b>	<b>SHIP TO:</b>	<b>P.O. DATE</b> 10/14/94
		<b>SHIP VIA</b> UPS
		<b>F.O.B. POINT</b> SHIPPING POINT
		<b>TERMS</b> NET 30

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

**DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN** 02/01/95

**ATTN: MELANIE BARNES**      **034141 MAP DIRECT**      **GOVT. CONTRACT NO. NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	5	EA	SAMPLE POWDERS FOR WHOLE ROCK CHEMICAL ANALYSIS BY ICP FOR MAJOR AND MINOR ELEMENTS USING FUSION DISSOLUTION AND FEO ANALYSIS.		60.00	300.00
B	11	EA	SAMPLE ROCK CHIPS FOR CRUSHING AND WHOLE ROCK CHEMICAL ANALYSIS BY ICP FOR MAJOR AND MINOR ELEMENTS USING FUSION AND DISSOLUTION AND FEO ANALYSIS.  DELIVERY OF ANALYSIS WILL BE 6-8 WEEKS UPON RECEIPT OF SAMPLES.  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		75.00	825.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

<b>TO BE USED FOR</b> TECTONICS FAULT-DYKE I	<b>DELIVER TO</b> D.FERRILL/189/DIV 20	<b>REQ. NUMBER</b> 934721	<b>BUYER</b> VERA C. ELIZONDO
<b>APPROVED BY</b>	<b>ACCOUNT NO.</b> 20-5704-164	<b>AMOUNT</b> 1,125.00	<b>ACCOUNT NO.</b> <b>AMOUNT</b> <b>TAXES</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

DEPARTMENT OF GEOSCIENCES  
TEXAS TECH UNIVERSITY  
BOX 41053  
LUBBOCK, TX 79409-1053  
FAX: 806/742-0100 TEL: 806/742-3102  
FAX COVER SHEET

DATE: 15 Nov 94 PAGES: 2 (including this Cover Sheet)

TO: Gail Lawrence FAX: 210 522 3964

FROM: Melanie Barnes

MESSAGE:

Gail,

Here is the updated price list. Thanks  
for your patience in playing telephone  
tag.

*Melanie Barnes*

**Important Confidentiality Notice:** The documents accompanying this telecopy transmission Do/Do Not contain confidential information belonging to the sender. The information is intended only for the use of the named individual or entity. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this telecopied information is strictly prohibited. If you have received this telecopy in error, please notify us immediately by telephone to arrange for return of the documents to us.



ANALYTICAL SERVICES LABORATORY  
Department of Geosciences  
Texas Tech University  
P.O. Box 41053  
Lubbock, Texas 79409-1053  
Telephone: 806-742-2049

## RATE SCHEDULE

SERVICE	PRICE/SAMPLE
Crushing sample, pulverization in shatterbox (one 30-dram bottle)	\$15.00
Additional charge for samples exceeding 5 lbs.	\$5.00
Hand crushing, pulverization in mortar and pestle	\$5.00
Fusion with lithium metaborate, dissolution in HCl in hydrochloric acid (HCl)	\$5.00
Analysis for major elements with inductively coupled plasma (ICP) (includes Loss on Ignition (LOI)) (Oxides of Si, Ti, Al, Fe, Mn, Mg, Ca, Na, K, P)	\$20.00
Analysis for trace elements with ICP (Ba, Sr, Sc, Y, Zr, Nb, V, Cr, Ni, Cu, Zn; Rb by AA)	\$20.00
Determination of FeO concentration by titration	\$15.00
Determination of Total Organic Carbon (TOC) concentration by titration	\$10.00
Determination of TOC concentration by LOI	\$5.00
Determination of LOI (separately)	\$5.00

Notes: 1) Immediate services may be requested at rates twice those listed above. Results will be reported within 14 days of receiving samples.  
2) Minimum charge for ICP work is \$150.00.

NO: 58000

Vendor:  
 TRIDENT COMPANY  
 3101 LONGHORN BLVD.  
 SUITE 103  
 AUSTIN, TX 78755

Ship To:

PO. Date: 05/01/95  
 Via: YOUR TRUCK  
 FOB: DESTINATION  
 Terms:NET 30

Attn:TOM 826-8825

006868 \*AP DIRECT\*

NRC-02-93-005

Deliver by: COMPLETE

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EA	4" X 8-1/4" X 8-1/4" - 6061-T6 ALUMINUM		125.00	125.00

**\*\*MATERIAL TEST REPORT REQUIRED\*\***  
 DELIVERY COMPLETE

**\*\*\* CONFIRMING ORDER \*\*\***

CHANGES - ANY CHANGES TO DRAWINGS,  
 SPECIFICATIONS, QUANTITIES ETC. ON THIS  
 ORDER MUST BE AUTHORIZED IN WRITING BY  
 BUYER. CHANGES NOT COVERED IN WRITING  
 CAN RESULT IN REJECTION WHEN MATERIAL  
 IS RECEIVED.

ES

To be used for:  
 PROJECT

Deliver to:  
 MACH.SHOP/1441 2ND/GILBERT

Req. no. Buyer:  
 956100 ERIK SPRINGER

Approved by:

Account no: 20-5704-039  
 Amount: 125.00

Typist:  
 05

Vendor:  
 DEPT OF INTERIOR, USGS  
 (FAX: 605-594-6589)  
 EROS DATA CENTER  
 SOUJX FALLS, SD 57198

Ship To:

PO. Date: 09/28/95  
 Via: FEDERAL EXPRESS P-2  
 FOB: SHIPPING POINT  
 Terms: NET 30

Attn: 6055946151

032486

NRC-02-93-005

Deliver by: 10/06/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	EACH	LANDSAT THEMATIC MAPPER / TM/ PRECISION CORRECTED SCENES:  SCENE ID: LT5041035008510410 PATH: 041 ROW: 035 DATE OF APPLICATION: 1985-4-14 OUTPUT: 8MM CASSETTE		600.00	600.00
B	1	EACH	SCENE ID: LT5041034008510410 PATH: 041 ROW: 034 DATE OF ACQUISITION: 1985-4-14 OUTPUT: 8MM CASSETTE		600.00	600.00
C	1	EACH	SCENE ID: LT5040034008509710 PATH: 040 ROW: 034 DATE OF ACQUISITION: 1985-4-7 OUTPUT: 8MM CASSETTE		600.00	600.00

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,

To be used for:  
 GORDON WITTMAYER

Deliver to:  
 G. WITTMAYER/A. LOPEZ/189

Req. no. Buyer:  
 965192 STEVEN EVANS, C.P.M.

Approved by:

Account no:  
 20-5704-133

Amount:  
 900.00 20-5704-164

Typist:  
 900.00 10

Vendor:  
U S G S  
(FAX: 415329-4463)  
345 MIDDLEFIELD ROAD, M/S 466  
MENLO PARK, CA 94025

Ship To:

PO. Date: 06/16/95  
Via: MAIL  
FOB: DESTINATION  
Terms: NET 30

Attn: 035386

NRC-02-93-005

Deliver by: 12/31/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	1	JOB	TIME AND MATERIAL SUBCONTRACT FOR SERVICES OF JAMES A. DAVIS TO PARTICIPATE IN A PEER-REVIEW PANEL FOR THE SORPTION MODELING FOR HIGH-LEVEL WASTE PERFORMANCE ASSESSMENT RESEARCH AT THE CNWRA.  NTE FOR LABOR: \$ 5,051.00 NTE FOR TRAVEL: \$ 1,338.00 INDIRECT COSTS: \$ 1,963.00  SELLER'S LABOR COSTS SHALL BE REIMBURSED AT THE HOURLY BILLING RATE BELOW:  JAMES A. DAVIS \$ 50.51/HOUR  SELLER SHALL NOT EXCEED ALLOCATIONS FOR LABOR OR TRAVEL WITHOUT WRITTEN MODIFICATION TO THIS PURCHASE ORDER.		8352.00	8,352.00

\*\*\* CONFIRMING ORDER \*\*\*

To be used for:  
SUBCONTRACT WORK

Deliver to:  
E.PEARCY/A.LOPEZ/189

Req. no. Buyer:  
965127 VERA C. ELIZONDO

Approved by:

Account no: 20-5704-074  
Amount: 8,352.00

Typist:  
05

Vendor:  
 U. S. DEPARTMENT OF INTERIOR  
 U.S. GEOLOGICAL SURVEY  
 (FAX: 605-594-6589)  
 EROS DATA CENTER  
 MUNDT FEDERAL BUILDING  
 SIOUX FALLS, SD 57198

Ship To:

PO. Date: 05/25/95  
 Via:  
 FOB:  
 Terms:

Attn: 030828 \*AP DIRECT\* NRC-02-93-005 Deliver by: COMPLETE

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
			CHANGE ORDER NO. 1 ISSUED TO P.O. 30048, TO DELETE ITEMS A-H, AND ITEM 'J'. ORDER IS CLOSED PER RON MARTIN. ALSO, ADD ITEM "L" FOR DOLLAR REDUCTION.			
A	1-	EA	LANDSAT TM SATELLITE IMAGE DATASETS. EACH DATASET TO INCLUDE FULL MULTI- SPECTRAL SUITE (SEVEN BANDS TYPICAL) IN LTWG FORMAT ON 1600 OR 6250 BPI CCT MAGNETIC TAPE (OR WHATEVER MACHINE READABLE FORMAT IS AVAILABLE).		190.00	190.00-
B	1-	EA	COSO (CALIFORNIA USA) DATE: 10/25/84 LTY5023818162X0 PATH: 44 ROW: 35		190.00	190.00-
C	1-	EA	CIMA (CALIFORNIA, USA) DATE: 9/12/85 LTY5056018032X0 PATH: 42 ROW: 35		190.00	190.00-

\*\*\* CONFIRMING ORDER \*\*\*

To be used for:

Deliver to:  
 CONNER/A.LOPEZ/189

Req. no. Buyer:  
 922610 ANNA W. MILTENBERGER

Approved by:

Account no: 20-5704-123 Amount: 1,710.00-

Typist:  
 05

Vendor:  
 U. S. DEPARTMENT OF INTERIOR  
 U.S. GEOLOGICAL SURVEY  
 (FAX: 605-594-6589)  
 EROS DATA CENTER  
 MUNDT FEDERAL BUILDING  
 SIOUX FALLS, SD 57198

Ship To:  
 \*\*\*\*\*  
 \*\* PO. Date: 05/25/95  
 \*\* Via:  
 \*\* PAGE 2 \*\* FOB:  
 \*\* CONTINUATION \*\* Terms:  
 \*\*  
 \*\*\*\*\*

Attn: 030828 \*AP DIRECT\* NRC-02-93-005 Deliver by: COMPLETE

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
D	1-	EA	CIMA (CALIFORNIA USA) DATE: 8/18/85 LTY5053518095X0 PATH: 43 ROW: 35		190.00	190.00-
E	1-	EA	LUNAR (NEVADA USA) DATE: 8/02/85 LTY5051918091X0 PATH: ROW 43 ROW: 33		190.00	190.00-
G	1-	EA	SPRINGERVILLE (ARIZONA USA) DATE: 9/16/85 LTY5056417390X0 PATH: 38 ROW: 36		190.00	190.00-
H	1-	EA	SPRINGERVILLE (ARIZONA USA) DATE: 9/07/85 LTY5055517452X0 PATH: 39 ROW: 36		190.00	190.00-
J	1-	EA	FLAGSTAFF/WILLIAMS (ARIZONA) (SAN FRANCISCO VOL FIELD) DATE: 9/07/85 LTY5055517445X0 PATH: 39 ROW: 35		190.00	190.00-
L	1-	EA	DOLLAR REDUCTION TO CLOSE OUT P.O. 30048.		190.00	190.00-

To be used for:

Deliver to:  
 CONNER/A.LOPEZ/189

Req. no. Buyer:  
 922610 ANNA W. MILTENBERGER

Approved by:

Account no: Amount:

Typist:  
 05

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510

6909 CULEBRA ROAD #70230-5100

SAN ANTONIO, TEXAS

210/684-5111 • FAX 210/522-3964

PURCHASE ORDER

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070644.0, TEXAS SALES TAX EXEMPTION CERTIFICATE SEE REVERSE SIDE HEREOF.

No. 36973

U. S. DEPARTMENT OF INTERIOR  
U.S. GEOLOGICAL SURVEY  
(FAX: 605-594-6509)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198

SHIP TO:

P.O. DATE 02/08/95

SHIP VIA UPS

F.O.B. POINT DESTINATION

TERMS NET 30

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN

03/02/95

ATTN: SANDEE STANSBURY 030028

GOVT. CONTRACT NO. NRC-02-93-005

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	<p>ENTITY ID: LM30330400008230390.            LANDSAT MULTISPECTRAL SCANNER (MSS) IMAGE. WRS-1 WITH PATH 33 AND ROW 40. FOUR (4) BANDS, SYSTEM CORRECTED AND GEOREFERENCED AS IS USUAL CUSTOM. SCENE CENTER: N28.0000 BY W104.3833. STATE OF CHIHUAHUA, MEXICO. EROS DATA CENTER GLIS COMPUTER INDEX REPORTS THIS SCENE WITH A CLOUD COVER LESS THAN 10 PERCENT. REJECT IMAGE IF CLOUD COVER IS GREATER THAN 10 PERCENT. PLEASE CROSS REFERENCE ATTACHED USGS MSS PRODUCTS ORDER FORM.            DELIVERY: 6250 BPI CCT MAGNETIC TAPE</p> <p>*** CONFIRMING ORDER ***</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		200.00	200.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE

TO BE USED FOR VOLCANISM GIS	DELIVER TO R. MARTIN/A. LOPEZ/189	REQ. NUMBER 944421	BUYER VERA C. ELIZONDO
APPROVED BY	ACCOUNT NO. 20-5702-425	AMOUNT 100.00	ACCOUNT NO. 20-5704-124
		AMOUNT 100.00	AMOUNT 05

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



ORDER FORM

LANDSAT MSS PRODUCTS

RETURN COMPLETED FORM AND PAYMENT TO:

U.S. DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
EROS Data Center, Sioux Falls, SD 57198  
605/594-6151 • FAX: 605/594-6589

NAME Charles Connor / #20  
COMPANY South West Research Institute  
ADDRESS 6220 Culebra Rd.  
CITY SAN ANTONIO TX 78238 USA  
SHIP TO: Ronald H. Martin / #20 / SWRI  
SAN ANTONIO TX 78238 USA  
6220 Culebra Rd

DATE 02 Feb 95  
EROS/ESIC ACCT. NO. \_\_\_\_\_  
FAX/TELEX. # 210-522-5155  
PHONE (BUS) 210-522-5541  
(HOME) \_\_\_\_\_  
YOUR REF. NO. \_\_\_\_\_  
(P.O. GOV'T ACCT. OR OTHER)

STANDARD PRODUCTS TABLES

BLACK AND WHITE PRODUCTS

Product	Quantity	Price	Total
18.5cm (7.3 in.) Film Negative	F003	\$18.00	
18.5cm (7.3 in.) Film Positive	F013	\$12.00	

COMPUTER COMPATIBLE TAPES (CCT)

Product	Quantity	Price	Total
1 Form	T004	\$200.00	
EDPS BIL or B04	T104	\$200.00	

SCENE IDENTIFICATION	PRODUCT CODE	NO. IMAGES - COPIES				CCT	QTY	UNIT PRICE	TOTAL PRICE
		1/4	2/5	3/6	4/7				
LM3 033040 000 - 230290	T184					6250	ONE	2000	2000
TOTAL ABOVE								2000	
TOTAL FROM OTHER SHEETS								0	
TOTAL COST								2000	

PREPAYMENT IS REQUIRED - PLEASE MAKE PAYABLE TO DEPARTMENT OF THE INTERIOR/USGS

Payment made by: \_\_\_\_\_ DO NOT SEND CASH  
Check, money order \_\_\_\_\_ (Sales tax not applicable)  
Purchase order \_\_\_\_\_  
Government account \_\_\_\_\_  
Charge: \_\_\_\_\_ MasterCard \_\_\_\_\_ Visa

PRICES SUBJECT TO CHANGE

Account Number (Include all digits)   
Card Expires  NO.  YR.

COMMENTS: WRS-1 Path 33 Row 40. SCENE ACQUIRED: 30 Oct 1982  
Center Pt: N28.8000, W104.3893  
FWS/DC/UCB/12-82





**SOUTHWEST RESEARCH INSTITUTE**

6220 CULEBRA ROAD / 78228-0510  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

**CHANGE ORDER NO. 1**

**No. 36972**

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**5. DEPARTMENT**

**U. S. DEPARTMENT OF INTERIOR  
U.S. GEOLOGICAL SURVEY  
(FAX: 605-594-6589)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198**

SHIP TO:

P.O. DATE **02/08/95**

SHIP VIA **UPS**

F.O.B. POINT **DESTINATION**

TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN **03/02/95**

ATTN: **SANDEE STANBURY**      **030828 \*AP DIRECT\*** GOVT. CONTRACT NO.

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
<b>A</b>		<b>EA</b>	<p><del>CHANGE ORDER NO. 1 ISSUED TO P.O. 36972, TO ADD THE FOLLOWING CHARGE NUMBER TO ITEM "A" - 20-5704-124 TO SPLIT THE CHARGES 50/50</del></p> <p><del>20-5704-124 50%</del> <del>20-5702-425 50%</del></p> <p><del>ENTITY ID: LA3033041008230390. LANDSAT MULTISPECTRAL SCANNER (MSS) IMATE. MRS-1 WITH PATH 33 AND ROW 41. FOUR (4) BANDS, SYSTEM CORRECTED AND GEOREFERENCED AS IS USUAL CUSTOM. SCENE CENTER: N27.3667 BY W104.7667,</del></p> <p><del>*** CONFIRMING ORDER ***</del></p> <p><del>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,</del></p> <p><del>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</del></p>		<b>200.00</b>	<b>.00</b>

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM GIS</b>	DELIVER TO <b>R. MARTIN/A. LOPEZ/189</b>	REQ. NUMBER <b>944422</b>	BUYER <b>VERA C. ELIZONDO</b>
--	---	------------------------------	----------------------------------

APPROVED BY	ACCOUNT NO. <b>20-5702-425</b>	AMOUNT <b>100.00 - 20-5704-124</b>	TOTAL <b>100.00</b>	QTY <b>051</b>
-------------	-----------------------------------	---------------------------------------	------------------------	-------------------



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5168  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

PURCHASE ORDER

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0, TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 36972

U. S. DEPARTMENT OF INTERIOR  
U.S. GEOLOGICAL SURVEY  
(FAX: 605-394-6389)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198

SHIP TO:

P.O. DATE 02/08/95

SHIP VIA UPS

F.O.B. POINT DESTINATION

TERMS NET 30

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN

03/02/95

ATTN: SANDEE STANSBURY 030828 \*AP DIRECT\* GOVT. CONTRACT NO. NRC-02-93-005

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	<p>ENTITY ID: LM3033041008230390.            LANDSAT MULTISPECTRAL SCANNER (MSS)            IMATE. WRS-1 WITH PATH 33 AND ROW 41.            FOUR (4) BANDS, SYSTEM CORRECTED AND            GEOREFERENCED AS IS USUAL CUSTOM.            SCENE CENTER: N27.3667 BY W104.7667,            STATE OF CHIHUAHUA, MEXICO. EROS DATA            CENTER GLIS COMPUTER INDEX REPORTS THIS            SCENE WITH LESS CLOUD COVER LESS THAN            10 PERCENT. REJECT IMAGE IF CLOUD            COVER IS GREATER THAN 10 PERCENT.            PLEASE CROSS REFERENCE ATTACHED USGS            MSS PRODUCTS ORDER FORM.            DELIVERY: 6250 BPI CCT MAGNETIC TAPE</p> <p>*** CONFIRMING ORDER ***</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT            CONTRACT NUMBER, THEN ANY PROPERTY            FURNISHED HERewith IS CONSIDERED            GOVERNMENT-FURNISHED PROPERTY WHICH MUST            BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		200.00	200.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM GIS</b>	DELIVER TO <b>R. MARTIN/A.LOPEZ/189</b>	REQ. NUMBER <b>944422</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO. <b>20-5702-425</b>	AMOUNT <b>200.00</b>	ACCOUNT NO. AMOUNT <b>93</b>

ORDER FORM

LANDSAT MSS PRODUCTS



RETURN COMPLETED FORM AND PAYMENT TO:

U.S. DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
EROS Data Center, Sioux Falls, SD 57198  
605/694-6151 • FAX: 605/694-6589

NAME Charles Connor / #20  
COMPANY SouthWest Research Institute  
ADDRESS 6220 Culebra Rd.  
CITY SAN ANTONIO TX 78238 USA  
SHIP TO: Ronald H. Martin / #20 / SWRI  
6220 Culebra Rd / San Antonio  
TX 78238 USA

DATE 02 Feb 95  
EROS/ESIC ACCT. NO. \_\_\_\_\_  
FAX/TELEX. # 210-522-5155  
PHONE (BUS) 210-522-5341  
(HOME) \_\_\_\_\_  
YOUR REF. NO. \_\_\_\_\_  
(P.O. GOV'T ACCT. OR OTHER)

STANDARD PRODUCTS TABLES

BLACK AND WHITE PRODUCTS

Product	Quantity	Price
10.5cm (7.3 in.) Film Negative	F033	\$18.00
10.5cm (7.3 in.) Film Positive	F033	\$32.00

COMPUTER COMPATIBLE TAPES (CCT)

Product	Quantity	Price
5 Form	T080	\$200.00
EROS BIL or B08	T100	\$200.00

SCENE IDENTIFICATION	PRODUCT CODE	ISS (MSS-0) COPIES				CCT BPI	QTY	UNIT PRICE	TOTAL PRICE
		1/4	2/6	3/6	4/7				
LM3033041008-230290	T184	Full Scene				6250	one	200	200
TOTAL ABOVE								\$	200
TOTAL FROM OTHER SHEETS								\$	0
TOTAL COST								\$	200

PREPAYMENT IS REQUIRED - PLEASE MAKE PAYABLE TO DEPARTMENT OF THE INTERIOR/USGS

Payment made by: \_\_\_\_\_ DO NOT SEND CASH  
Check, money order \_\_\_\_\_ (Sales tax not applicable)  
Purchase order \_\_\_\_\_  
Government account \_\_\_\_\_  
Charge: \_\_\_\_\_ MasterCard \_\_\_\_\_ Visa

PRICES SUBJECT TO CHANGE

Account Number (Include all digits)

Account number input field

Card Expires

Card expiration date input field

MO. YR.

Signature

COMMENTS:

WRS-1, Path 33, Row 41. SCENE Acquired 30 Oct 1982  
CENTER Pt: 27.3667N, -104.7667 West



**SOUTHWEST RESEARCH INSTITUTE**

PO BOX 28510 / 78228-0510  
5222 CULEBRA ROAD / 78238-5108  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

36976

No. 02/08/95

**TEXAS SALES TAX EXEMPTION**  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0, TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

5. DEPARTMENT

U. S. DEPARTMENT OF INTERIOR  
U. S. GEOLOGICAL SURVEY  
(FAX: 605-594-6509)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198

SHIP TO:

P.O. DATE  
SHIP VIA **UPS**  
F.O.B. POINT **DESTINATION**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN **03/20/95**

ATTN: **SANDEE STANSBURY** **030828 \*AP DIRECT\***

GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	<p>ENTITY ID: LM3032040008230290.            LANDSAT MULTISPECTRAL SCANNER (MSS) IMAGE. WRS-1 WITH PATH 32 AND ROW 40. FOUR (4) BANDS, SYSTEM CORRECTED AND GEOREFERENCED AS IS USUAL CUSTOM. SCENE CENTER: N20.7833 BY W102.9333. STATE OF CHIHUAHUA, MEXICO. EROS DATA CENTER GLIS COMPUTER INDEX REPORTS THIS SCENE WITH A CLOUD COVER OF LESS THAN 10 PERCENT. REJECT IMAGE IF CLOUD COVER EXCEEDS 10 PERCENT. CROSS REFERENCE ATTACHED USGS MSS ORDER FORM. DELIVERY: 6250 BPI CCT MAGNETIC TAPE.</p> <p>*** CONFIRMING ORDER ***</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		200.00	200.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE TO BE USED FOR

<b>VOLCANISM GIS</b>	DELIVER TO <b>R. MARTIN/A. LOPEZ/189</b>	REQ NUMBER <b>944419</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	AGENCY <b>02-425</b>	QUANTITY <b>100.00</b>	ORDER NO. <b>20-5704-124</b>

ORDER FORM

LANDSAT MSS PRODUCTS



RETURN COMPLETED FORM AND PAYMENT TO:

U.S. DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
EROS Data Center, Sioux Falls, SD 57198  
605/694-6151 • FAX: 605/694-8589

NAME Charles Connor / #20  
COMPANY South West Research Institute  
ADDRESS 6220 Culebra Rd  
CITY SAN ANTONIO TX 78238  
SHIP TO: Ronald H. Marten / #20 / SWRI  
6220 Culebra Rd / SAN ANTONIO  
TX 78238 USA

DATE 02 FEB 95  
EROS/ESIC ACCT. NO. \_\_\_\_\_  
FAX/TELEX. # 210-522-5155  
PHONE (BUS) 210-522-5541  
(HOME) \_\_\_\_\_  
YOUR REF. NO. \_\_\_\_\_  
(P.O. GOV'T ACCT. OR OTHER)

STANDARD PRODUCTS TABLES

BLACK AND WHITE PRODUCTS

Product Code	Format	Price
F003	18.5cm (7.3 in.) Film Negative	\$18.00
F013	18.5cm (7.3 in.) Film Positive	\$32.00

COMPUTER COMPATIBLE TAPES (CCT)

Product Code	Format	Price
T004	5 Format	\$200.00
T104	ES/PS 511 or 500	\$300.00

SCENE IDENTIFICATION	PRODUCT CODE	RES IMAGE COPIES				CCT BPI	QTY	UNIT PRICE	TOTAL PRICE
		1/4	2/8	3/6	4/7				
LM3032040008-230290	T184	Full Scene				6250	ONE	200	200.00
								TOTAL ABOVE	A 200.00
								TOTAL FROM OTHER SHEETS	B -
								TOTAL COST	E 200.00

PREPAYMENT IS REQUIRED - PLEASE MAKE PAYABLE TO DEPARTMENT OF THE INTERIOR/USGS

Payment made by: Purchase order (Sales tax not applicable)  
DO NOT SEND CASH  
Government account  
Charge: MasterCard Visa

PRICES SUBJECT TO CHANGE

Account Number (Include all digits) [ ]  
Card Expires [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  
NO. YR.

COMMENTS: WRS-1 Path=32 Row=40. SCENE ACQUIRED 29 Oct 1982  
CENTER Pt: N28.7833, W102.9333



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. **36969**

U.S. DEPARTMENT

U. S. DEPARTMENT OF INTERIOR  
U.S. GEOLOGICAL SURVEY  
(FAX: 605-594-6389)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198

SHIP  
TO:

P.O. DATE **02/08/95**

SHIP VIA **UPS**

F.O.B. POINT **DESTINATION**

TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN

**03/02/95**

ATTN: **SANDEE STANSBURY**    **030020 \*AP DIRECT\*** GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	<p>ENTITY ID: LM3032041008230290.            LANDSAT MULTISPECTRAL SCANNER (MSS)            IMAGE. WRS-1 WITH PATH 32 AND ROW 41.            FOUR (4) BANDS, SYSTEM CORRECTED AND            GEOREFERENCED AS IS USUAL CUSTOM.            SCENE CENTER: N27.3667 BY W103.3333.            STATE OF CHIHUAHUA, MEXICO. EROS DATA            CENTER GLIS COMPUTER INDEX REPORTS THIS            SCENE WITH A CLOUD COVER OF LESS THAN            10 PERCENT. REJECT IMAGE IF CLOUD            COVER EXCEEDS 10 PERCENT. PLEASE CROSS            REFERENCE ATTACHED USGS ORDER FORM FOR            MSS PRODUCTS            DELIVERY: 6250 BPI CCT MAGNETIC TAPE</p> <p>*** CONFIRMING ORDER ***</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT            CONTRACT NUMBER, THEN ANY PROPERTY            FURNISHED HERewith IS CONSIDERED            GOVERNMENT-FURNISHED PROPERTY WHICH MUST            BE ACCOUNTED FOR IN ACCORDANCE WITH FAR.</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		200.00	200.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE

TO BE USED FOR <b>VOLCANISM GIS</b>	DELIVER TO <b>R. MARTIN/A. LOPEZ/189</b>	REQ. NUMBER <b>944420</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO. <b>20-5762-425</b>	AMOUNT <b>100.00</b>	ACCOUNT NO. <b>20-5764-124</b> AMOUNT <b>100.00</b> UNIT <b>05</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

ORDER FORM

LANDSAT MSS PRODUCTS



RETURN COMPLETED FORM AND PAYMENT TO:

U.S. DEPARTMENT OF INTERIOR - GEOLOGICAL SURVEY  
EROS Data Center, Sioux Falls, SD 57198  
605/594-6151 \* FAX: 605/594-6589

NAME Charles Connor / #20  
COMPANY Southwest Research Institute  
ADDRESS 6220 Culebra Rd.  
CITY SAN ANTONIO TX 78238  
SHIP TO: Ronald H. Martin / #20 / SWRI  
6220 Culebra Rd. / SAN ANTONIO  
TX 78238 USA

DATE 02 Feb 95  
EROS/ESIC ACCT. NO. \_\_\_\_\_  
FAX/TELEX. # 210-522-5155  
PHONE (BUS) 210-522-5541  
(HOME) \_\_\_\_\_  
YOUR REF. NO. \_\_\_\_\_  
(P.O. GOV'T ACCT. OR OTHER)

STANDARD PRODUCTS TABLES

BLACK AND WHITE PRODUCTS

Product Code	Description	Price
1A-Scn (7.3 in.)	File Negative	7003 \$10.00
1A-Scn (7.3 in.)	File Positive	7013 \$12.00

COMPUTER COMPATIBLE TAPES (CCT)

Product Code	Description	Price
1 Formst	T004	\$200.00
EROS BIL or 800	T104	\$200.00

SCENE IDENTIFICATION	PRODUCT CODE	MSS BANDS - COPIES				CCT BPI	QTY	UNIT PRICE	TOTAL PRICE
		1/4	2/6	3/6	4/7				
<u>LM3032041008-230290</u>	<u>T184</u>	<u>6250</u>	<u>ONE</u>			<u>200.00</u>	<u>200.00</u>		
TOTAL ABOVE								A	<u>200.00</u>
TOTAL FROM OTHER SHEETS								B	<u>00</u>
TOTAL COST								C	<u>200.00</u>

PREPAYMENT IS REQUIRED - PLEASE MAKE PAYABLE TO DEPARTMENT OF THE INTERIOR/USGS

Payment made by:  
Check, money order \_\_\_\_\_ (Sales tax not applicable)  
Purchase order \_\_\_\_\_  
Government account \_\_\_\_\_  
Charge: \_\_\_\_\_ MasterCard \_\_\_\_\_ Visa

DO NOT SEND CASH

PRICES SUBJECT TO CHANGE

Account Number (Include all digits)

Account number input grid

Card Expires

Card expiration date input grid

MO. YR.

Signature

COMMENTS: WRS-1 Path = 32 Row = 41. SCENE ACQUIRED 29 Oct 1982  
CENTER Pt: N27.3667, W103.3333



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 36968

U. S. DEPARTMENT OF INTERIOR  
U.S. GEOLOGICAL SURVEY  
(FAX: 605-594-6589)  
EROS DATA CENTER  
MUNDT FEDERAL BUILDING  
SIOUX FALLS, SD 57198

SHIP  
TO:

P.O. DATE 02/08/95

SHIP VIA UPS

F.O.B. POINT DESTINATION

TERMS NET 30

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN

03/02/95

ATTN: SANDEE STANSBURY 030828 \*AP DIRECT\* GOVT. CONTRACT NO. NRC-02-93-005

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 GFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	ENTITY ID: LTY5057216513X0 OF 09/24/85. LANDSAT THEMATIC MAPPER (TM) IMAGE OF CAMARGO VOLCANIC FIELD, STATE OF CHIHUAHUA, MEXICO. WRS-2 WITH PATH 30 AND ROW 41. SEVEN (7) IMAGE BANDS, PRECISION CORRECTED AND REGISTERED TO TOPOGRAPHIC MAPS. SCENE CENTER: N27.25.58 BY W103.15.07. EROS DATA CENTER GLIS COMPUTER INDEX REPORTS THIS SCENE WITH A CLOUD COVER OF LESS THAN 10 PERCENT. REJECT IMAGE IF CLOUD COVER EXCEEDS 10 PERCENT. DELIVERY IN BIL OR BSQ FORMAT, AS IS USUAL CUSTOM.  *** CONFIRMING ORDER ***  *IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,  PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS		600.00	600.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE

TO BE USED FOR VOLCANISM NATANALG.	DELIVER TO R. MARTIN/A. LOPEZ/189	REQ. NUMBER 944434	BUYER VERA C. ELIZONDO
APPROVED BY	ACCOUNT NO. 20-5702-425	AMOUNT 300.00	ACCOUNT NO. 20-5704-124
			300.00

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.





**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

5. DEPARTMENT

**TEXAS SALES TAX EXEMPTION**  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 43094

**U.S. GEOLOGICAL SURVEY  
EROS DATA CENTER  
SIOUX FALLS, SD 57198**

SHIP TO:

P.O. DATE **12/28/94**  
SHIP VIA **FEDERAL EXPRESS P-2**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN **12/31/94**

ATTN: **STEVE** **030020**

GOVT. CONTRACT NO. **NRC-92-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	TAPE	<p>SEE ATTACHED LIST OF FORTY-FOUR 7.5 MINUTE QUADRANGLES ON USGS/EROS DATA CENTER ORDER FORM.</p> <p>DIGITAL ELEVATION MODEL/DIGITAL TERRAIN ELEVATION DATA (DEM/DTED) 30M REGULAR GROUND CELL SPACING &amp; RESOLUTION. ON 1600 OR 6250 BPI 9-TRACK COMPUTER COMPATIBLE TAPES (CCT)</p> <p>ANSI FORMAT.</p> <p>COVERAGE FOR THE ATTACHED LIST OF FORTY-FOUR 7.5 MINUTES QUADRANGLES IN ARIZONA.</p> <p>PRICING: AS PER EROS DATA CENTER INSTRUCTIONS, PRICING FOR THESE DEM/DTEDS IS \$90.00 BASE CHARGE PLUS \$7.00 FOR EACH 7.5 MINUTE QUADRANGLE DEM/DTED ORDERED.</p> <p><math>(\\$7.00 \times 44) + \\$90.00 = \\$398.00</math></p> <p><b>*** CONFIRMING ORDER ***</b></p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		398.00	398.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE

TO BE USED FOR <b>TECTONICS</b>	DELIVER TO <b>J. FOGELLE/LOPEZ/189</b>	REQ. NUMBER <b>944403</b>	BUYER <b>DAVID VASQUEZ</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-162</b>	AMOUNT <b>398.00</b>	ACCOUNT NO. AMOUNT TYPYST <b>01</b>

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**TEXAS SALES TAX EXEMPTION**

ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 42859****5. DEPARTMENT**

**U.S. GEOLOGICAL SURVEY  
 EROS DATA CENTER  
 SIOUX FALLS, SD 57198**

SHIP TO:

P.O. DATE **12/27/94**SHIP VIA **UPS**F.O.B. POINT **SHIPPING POINT**TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN**01/09/95**ATTN: **030828**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	LOT	<p>PRICING: AS PER EROS DATA CENTER INSTRUCTIONS, PRICING FOR THESE DEM/DTEDS IS \$90.00 BASE CHARGE PLUS \$7.00 PER DEM/DTE ORDERED: \$7.00 X 16 + \$90.00 = 202.00. SEE ATTACHED USGS/EROS DATA CENTER ORDER FORM.</p> <p>DIGITAL ELEVATION MODEL/DIGITAL TERRAIN ELEVATION DATA (DEM/DTE). 30M REGULAR GROUND CELL SPACING AND RESOLUTION. ON 1600 OR 6250 BPI 9-TRACK CCT (COMPUTER COMPATIBLE TAPES). ANSI FORMAT. COVERAGE FOR THE 7.5 MINUTE USGS QUADRANGLES OF:</p> <p>(TOTAL OF 16)</p> <p>*SEE ATTACHED COPY</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		202.00	202.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>TECTONICS RESEARCH</b>		DELIVER TO <b>*DAVID FERRILL/LOPEZ/189</b>	REQ. NUMBER <b>944400</b>	BUYER <b>MARY HERNANDEZ</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-162</b>	AMOUNT <b>202.00</b>	ACCOUNT NO.	AMOUNT <b>01</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT****TEXAS SALES TAX EXEMPTION**

ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070644.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 32330**

**U. S. GEOLOGIC SURVEY  
 EARTH SCIENCE INFORMATION CENTER  
 BOX 25046 M/S 504  
 DENVER FEDERAL CENTER  
 DENVER, CO 80225**

SHIP TO:

P.O. DATE **10/05/94**  
 SHIP VIA **FEDERAL EXPRESS P-2**  
 F.O.B. POINT **SHIPPING POINT**  
 TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
 AT DESTINATION  
 NO LATER THAN **10/12/94**

ATTN: **JIM 303-236-5829 033886**GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EACH	"CRONOPAQUE" FILM POSITIVE SEPARATES FOR THE 7.5' MIN QUADRANGLE OF "FISH SPRINGS" CALIFORNIA USA. SCALE: 1:24,000. COVERAGE: HYPISOGRAPHY (CONTOURS) ONLY.		36.00	36.00
B	1	EACH	CO-REGISTRATION AND COMPOSITE OF UTM OR OTHER REFERENCE TICS IN BLACK (POSITIVE) ONTO HYPISOGRAPHY (CONTOUR) COVERAGE INDICATED ABOVE FROM NUMERICALLY GENERATED SOURCES.		5.00	5.00
C	1	EACH	"CRONOPAQUE" FILM POSITIVE SEPARATES FOR THE 7.5' MIN QUADRANGLE OF "MAZOURKA PEAK" CALIFORNIA USA. SCALE: 1:24,000. COVERAGE: HYPISOGRAPHY (CONTOURS) ONLY.		36.00	36.00
D	1	EACH	CO-REGISTRATION AND COMPOSITE OF UTM OR OTHER REFERENCE TICS IN BLACK (POSITIVE) ONTO HYPISOGRAPHY (CONTOUR) COVERAGE		5.00	5.00

**\*\*\* CONFIRMING ORDER \*\*\***

PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE  
 PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM PROB STUDIES</b>	DELIVER TO <b>R MARTIN/Z LOPEZ/B109 (MCKAGUE</b>	REQ. NUMBER <b>922624</b>	BUYER <b>DAVID VASQUEZ</b>
APPROVED BY	ACCOUNT NO. <b>20-5764-123</b>	AMOUNT <b>82.00</b>	ACCOUNT NO. <b>08</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

**5. DEPARTMENT**

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 32330**

**U. S. GEOLOGIC SURVEY  
EARTH SCIENCE INFORMATION CENTER  
BOX 25046 M/S 504  
DENVER FEDERAL CENTER  
DENVER, CO 80225**

SHIP TO: \*\*\*\*\*  
\*\* \*\*  
\*\* PAGE 2 \*\*  
\*\* CONTINUATION \*\*  
\*\* \*\*  
\*\*\*\*\*  
UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

P.O. DATE **10/05/94**  
SHIP VIA **FEDERAL EXPRESS P-2**  
F.O.B. POINT **SHIPPING POINT**  
TERMS **NET 30**  
DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN **10/12/94**

ATTN: **JIM 303-234-5829** **033886**

GOVT. CONTRACT NO. **NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
			<p>INDICATED ABOVE FROM NUMERICALLY GENERATED SOURCES.</p> <p>USGS NOTE: THE ABOVE FILM SEPARATES WILL BE SCANNED FOR DIGITAL PROCESSING. PLEASE FEEL FREE TO MAKE SUBSTITUTION TO FACILITATE ACCURATE REPRODUCTION.</p> <p>RECEIVING DO NOT INSPECT.</p> <p>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*</p> <p>PLEASE ANSWER THE FOLLOWING QUESTIONS:</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>			

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE TO BE USED FOR

<b>VOLCANISM PROB STUDIES</b>	DELIVER TO <b>R MARTIN/Z LOPEZ/B109 (MCKAGUE</b>	REQ. NUMBER <b>922624</b>	BUYER <b>DAVID VASQUEZ</b>
APPROVED BY	ACCOUNT NO.	AMOUNT	ACCOUNT NO. AMOUNT



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**SUPPLY ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

TEXAS SALES TAX EXEMPTION CHANGE ORDER NO. 1  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

CHANGE ORDER NO. 1  
33373  
No. 11/30/94

5 DEPARTMENT

UNIVERSITY OF TEXAS AT AUSTIN  
DEPT. OF GEOLOGICAL SCIENCES  
AUSTIN, TX  
ATTN: DR. TODD HOUSH 78712

SHIP TO:  
  
UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

P.O. DATE 11/30/94  
SHIP VIA BEST WAY  
F.O.B. POINT DESTINATION  
TERMS NET 30

ATTN: DR. TODD HOUSH 033708 \*AP DIRECT\*

GOVT. CONTRACT NO. NRC-02-93-005

DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN 12/29/94

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1-	EA	CHANGE ORDER NO. 1 ISSUED TO P.O. 33373, TO DELETE ITEM "A" AND ADD ITEM "B" DUE TO INCREASE IN QUANTITY.		250.00	250.00-
			DETAILS OF SERVICE REQUIRED: ISOTOPIC ANALYSES OF BASALTIC VOLCANIC ROCK POWDERS FOR THE FOLLOWING CHEMICAL ELEMENTS OF MINIMUM LEVELS OF ANALYTICAL UNCERTAINTY:			
B	10	EA	DETAILS OF SERVICE REQUIRED: ISOTOPIC ANALYSES OF BASALTIC VOLCANIC ROCK POWDERS FOR THE FOLLOWING CHEMICAL ELEMENTS AND MINIMUM LEVELS OF ANALYTICAL UNCERTAINTY.		250.00	2,500.00
			PB(+/-0.1%) SR(+/-0.00003) ND(+/-0.2 END)			
*** CONFIRMING ORDER ***						
PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS						

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE

TO BE USED FOR VOLCANISM RESEARCH	DELIVER TO B. HILL/A. LOPEZ/189	REQ. NUMBER 934770	BUYER VERA C. ELIZONDO
APPROVED BY	ACCOUNT NO. 203704-124	AMOUNT 2,250.00	ACCOUNT NO. AMOUNT 0151



**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

PURCHASE ORDER

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES, AND PACKAGES.

CHANGE ORDER NO. 1

33373

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 11/30/94

5. DEPARTMENT

UNIVERSITY OF TEXAS AT AUSTIN  
DEPT. OF GEOLOGICAL SCIENCES  
AUSTIN, TX  
ATTN: DR. TODD HOUSH 78712

SHIP TO: \*\*  
\*\* PAGE 2 \*\*  
\*\* CONTINUATION \*\*  
\*\* \*\*  
\*\*\*\*\*

P.O. DATE  
SHIP VIA BEST WAY  
F.O.B. POINT DESTINATION  
TERMS NET 30  
DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN 12/29/94

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

GOVT. CONTRACT NO. NRC-62-93-005

ATTN: DR. TODD HOUSH 633906 \*AP DIRECT\*

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
			SERVICE: ISOTOPIC ANALYSIS FOR BASALTIC VOLCANIC ROCKS  VE			

PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE  
PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM RESEARCH</b>	DELIVER TO <b>B.HILL/A.LOPEZ/189</b>	REQ. NUMBER <b>934770</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO.	AMOUNT	ACCOUNT NO.
			AMOUNT

**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT**

TEXAS SALES TAX EXEMPTION  
 ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 33373**

UNIVERSITY OF TEXAS AT AUSTIN  
 DEPT. OF GEOLOGICAL SCIENCES  
 DR. TODD HOUGH  
 AUSTIN, TX 78712

SHIP TO:

P.O. DATE **10/07/94**SHIP VIA **BEST WAY**F.O.B. POINT **DESTINATION**TERMS **NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN**10/30/94**ATTN: **TODD HOUGH****033900 MAP DIRECT**

GOVT. CONTRACT NO.

**NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	1	EA	<p>DETAILS OF SERVICE REQUIRED:            ISOTOPIC ANALYSES OF BASALTIC            VOLCANIC ROCK POWDERS FOR THE            FOLLOWING CHEMICAL ELEMENTS OF            MINIMUM LEVELS OF ANALYTICAL            UNCERTAINTY:</p> <p>PB(+/- 0.1%) SR (+/- 0.00003)            ND(+/- 0.2 END)</p> <p>SERVICE: ISOTOPIC ANALYSIS FOR            BASALTIC VOLCANIC ROCKS</p> <p>*** CONFIRMING ORDER ***</p> <p>PLEASE ANSWER THE FOLLOWING QUESTIONS:            VENDOR CERTIFICATION            (REF. FAR 19.101-202)            1. DO YOU QUALIFY AS A SMALL BUSINESS            CONCERN? YES ___ NO ___            * SMALL BUSINESS: A CONCERN            INDEPENDENTLY OWNED &amp; OPERATED, NOT</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE            PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>		250.00	250.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM RESEARCH</b>	DELIVER TO <b>B. HILL/A. LOPEZ/B189</b>	REQ. NUMBER <b>934770</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-124</b>	AMOUNT <b>250.00</b>	ACCOUNT NO. AMOUNT TYPST <b>05</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.

NO: 62045

Vendor:  
 VWR SCIENTIFIC  
 PO BOX 5025  
 ACCT #73-642360  
 SUGARLAND, TX 77487

Ship To:

PO. Date: 08/08/95  
 Via: UPS  
 FOB: SWRI  
 Terms: NET 30

Attn: JEFF 8008794100 007200

NRC-02-93-005

Deliver by: 08/17/95

Item	Quantity	Unit	Description	Item Identifier	Unit Price	Total Price
A	2	EACH	DILUT-IT ANALYTICAL CONCENTRATE, 0.02N CAT NO. JT715-1		26.61	53.22
B	2	EACH	***** 0.5N CAT NO. JT4691-1		21.51	43.02
C	2	EACH	***** 0.1N CAT NO. JT4687-1		18.83	37.66
D	2	EACH	***** 1N CAT NO. JT4689-1		20.10	40.20
E	2	EACH	***** 5N CAT NO. JT4690-1		34.34	68.68

\*\*\* CONFIRMING ORDER \*\*\*

"IF THIS ORDER INCLUDES A GOVERNMENT  
 CONTRACT NUMBER, THEN ANY PROPERTY  
 FURNISHED HERewith IS CONSIDERED  
 GOVERNMENT-FURNISHED PROPERTY WHICH MUST  
 BE ACCOUNTED FOR IN ACCORDANCE WITH FAR,

To be used for:  
 SOPRITION EXPERIMENTS

Deliver to:  
 PAUL BERTETTI / B 57

Reg. no. Buyer:  
 944392 HENRY HERRERA

Approved by:

Account no:  
 20-5704-073

Amount:  
 189.56 20-5704-73

Typist:  
 53.22 10



**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
 6220 CULEBRA ROAD / 78238-5166  
 SAN ANTONIO, TEXAS  
 210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
 ON ALL CORRESPONDENCE,  
 INVOICES AND PACKAGES.

**5. DEPARTMENT****TEXAS SALES TAX EXEMPTION**

ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
 FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
 TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
 SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 49269**

<b>VWR SCIENTIFIC</b> <b>PO BOX 5025</b> <b>ACCT #73-642360</b> <b>SUGARLAND, TX 77487</b>	<b>SHIP TO:</b>      	P.O. DATE
		SHIP VIA <b>03/09/95</b>
		F.O.B. POINT <b>UPS</b>
		TERMS <b>SHIPPING POINT NET 30</b>

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
 AT DESTINATION  
 NO LATER THAN

ATTN: <b>DARLYNN 89325000 607200</b>	GOVT. CONTRACT NO. <b>NRC-82-93-005</b>	<b>03/17/95</b>
--------------------------------------	---	-----------------

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
A	3	EACH	DILUT-IT SODIUM HYDROXIDE, 0.02N, CARBONATE-FREE, 6/CS, JT4715-1		26.61	79.83
B	1	CASE	DILUT-IT SODIUM HYDROXIDE, 0.1N, CARBONATE-FREE, 4/CS, JT4687-1		94.10	94.10
C	1	CASE	DILUT-IT SODIUM HYDROXIDE, 1.0N, CARBONATE-FREE, 6/CS, JT4689-1		100.47	100.47

**NOTE: SHIPPING ON/BEFORE 3/10/95 FROM CHICAGO, IL**

**\*\*\* CONFIRMING ORDER \*\*\***

**\*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.\***

**PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS**

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.			
TO BE USED FOR <b>NEAR-FIELD PROJECT</b>	DELIVER TO <b>R.T. PABALAN/57</b>	REQ. NUMBER <b>944313</b>	BUYER <b>FRED WRIGHT</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-152</b>	AMOUNT <b>274.40</b>	AMOUNT <b>274.40</b> TYPIST <b>01</b>



# SOUTHWEST RESEARCH INSTITUTE

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR  
ON ALL CORRESPONDENCE,  
INVOICES AND PACKAGES.

5. DEPARTMENT

TEXAS SALES TAX EXEMPTION  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT  
FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310,  
TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS  
SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

No. 33377

WASHINGTON UNIVERSITY  
DEPT. EARTH & PLANETARY SCIENCES  
DR. RANDY KORATEV  
CAMPUS BOX 1169  
ONE BOOKINGS DRIVE  
ST. LOUIS, MO 63130

SHIP TO:

P.O. DATE 10/12/94

SHIP VIA BEST WAY

F.O.B. POINT DESTINATION

TERMS NET 30

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

DELIVERY IS REQUIRED  
AT DESTINATION  
NO LATER THAN

12/31/94

ATTN: KORATEV 314-235-5637033941 \*AP DIRECT\* GOVT. CONTRACT NO. NRC-02-93-005

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE																								
A	22	EA	<p>DETAILS OF SERVICE REQUIRED: INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS (INAA) OF 22 BASALTIC VOLCANIC ROCK POWDERS FOR THE FOLLOWING CHEMICAL ELEMENTS AND MINIMUM LEVELS OF ANALYTICAL UNCERTAINTY:</p> <table border="0"> <tr> <td>FE(3%)</td> <td>NA(5%)</td> <td>RB(10%)</td> <td>BA(10%)</td> </tr> <tr> <td>SR(7%)</td> <td>CS(15%)</td> <td>SC(5%)</td> <td>CO(5%)</td> </tr> <tr> <td>NI(20%)</td> <td>CR(5%)</td> <td>LA(5%)</td> <td>CE(5%)</td> </tr> <tr> <td>ND(15%)</td> <td>SM(3%)</td> <td>EU(3%)</td> <td>TB(5%)</td> </tr> <tr> <td>YB(5%)</td> <td>LU(5%)</td> <td>ZR(15%)</td> <td>HF(5%)</td> </tr> <tr> <td>TA(5%)</td> <td>TH(5%)</td> <td>U(15%)</td> <td></td> </tr> </table> <p>OTHER ELEMENTS, IF ABUNDANCES ARE ABOVE DETECTION LIMITS FOR ROUTINE ANALYTICAL CONDITIONS (NO PREDETERMINED LEVELS OF UNCERTAINTY): K, CA, AS, SE, BR, SB, W, AND AU.</p> <p>*** CONFIRMING ORDER ***</p> <p>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</p>	FE(3%)	NA(5%)	RB(10%)	BA(10%)	SR(7%)	CS(15%)	SC(5%)	CO(5%)	NI(20%)	CR(5%)	LA(5%)	CE(5%)	ND(15%)	SM(3%)	EU(3%)	TB(5%)	YB(5%)	LU(5%)	ZR(15%)	HF(5%)	TA(5%)	TH(5%)	U(15%)			120.00	2,640.00
FE(3%)	NA(5%)	RB(10%)	BA(10%)																											
SR(7%)	CS(15%)	SC(5%)	CO(5%)																											
NI(20%)	CR(5%)	LA(5%)	CE(5%)																											
ND(15%)	SM(3%)	EU(3%)	TB(5%)																											
YB(5%)	LU(5%)	ZR(15%)	HF(5%)																											
TA(5%)	TH(5%)	U(15%)																												

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE, PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

TO BE USED FOR <b>VOLCANISM RESEARCH</b>	DELIVER TO <b>B.HILL/A.LOPEZ/B.189</b>	REQ. NUMBER <b>934769</b>	BUYER <b>VERA C. ELIZONDO</b>
APPROVED BY	ACCOUNT NO. <b>20-5704-124</b>	AMOUNT <b>2,840.00</b>	ACCOUNT NO. <b>675T</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.



**SOUTHWEST RESEARCH INSTITUTE**

P.O. BOX 28510 / 78228-0510  
6220 CULEBRA ROAD / 78238-5166  
SAN ANTONIO, TEXAS  
210/684-5111 • FAX 210/522-3964

**PURCHASE ORDER**

THIS NUMBER MUST APPEAR ON ALL CORRESPONDENCE, INVOICES AND PACKAGES.

**S. DEPARTMENT**

**TEXAS SALES TAX EXEMPTION**  
ITEMS PURCHASED HEREIN ARE FOR OUR USE AND ARE EXEMPT FROM TEXAS SALES AND USE TAX UNDER SECTION 151.310, TEXAS TAX CODE SALES TAX PERMIT NO. 1-74-1070544.0. TEXAS SALES TAX EXEMPTION CERTIFICATE-SEE REVERSE SIDE HEREOF.

**No. 33377**

**WASHINGTON UNIVERSITY  
DEPT. EARTH & PLANETARY SCIENCES  
DR. RANDY KORATEV  
CAMPUS BOX 1169  
ONE BOOKINGS DRIVE  
ST. LOUIS, MO 63130**

**SHIP TO: \*\*\*\*\*  
\*\*  
\*\* PAGE 2  
\*\* CONTINUATION  
\*\*  
\*\*\*\*\***

**P.O. DATE 10/12/94  
SHIP VIA BEST WAY  
F.O.B. POINT DESTINATION  
TERMS NET 30**

UNLESS OTHERWISE SPECIFIED, SHIP TO ABOVE ADDRESS

**DELIVERY IS REQUIRED AT DESTINATION NO LATER THAN 12/31/94**

**ATTN: KORATEV 314-235-5617033941 \*AP DIRECT\* GOVT. CONTRACT NO. NRC-02-93-005**

This is a rated order certified for national defense use, and you are required to follow all the provisions of the Defense Priorities and Allocations System regulation (15 CFR 350).

ITEM NO.	QUANTITY ORDERED	UNIT	DESCRIPTION	ITEM IDENTIFIER	UNIT PRICE	TOTAL PRICE
B	1	EA	<p><b>RUN CHARGE</b></p> <p><b>*IF THIS ORDER INCLUDES A GOVERNMENT CONTRACT NUMBER, THEN ANY PROPERTY FURNISHED HERewith IS CONSIDERED GOVERNMENT-FURNISHED PROPERTY WHICH MUST BE ACCOUNTED FOR IN ACCORDANCE WITH FAR, PART 45. REFER TO GENERAL PURCHASE ORDER TERMS AND CONDITIONS FOR RISK OF LOSS.*</b></p> <p><b>PLEASE ANSWER THE FOLLOWING QUESTIONS: VENDOR CERTIFICATION (REF. FAR 19.101-202)</b></p> <p><b>1. DO YOU QUALIFY AS A SMALL BUSINESS CONCERN? YES _____ NO _____</b></p> <p><b>* SMALL BUSINESS: A CONCERN INDEPENDENTLY OWNED &amp; OPERATED, NOT DOMINANT IN ITS FIELD, &amp; NOT TO EXCEED 500 EMPLOYEES. INDUSTRIAL CLASSIFICATIONS MAY EXCEED 500.</b></p> <p><b>PLEASE MAIL INVOICES IN DUPLICATE TO ACCOUNTS PAYABLE PLEASE SIGN AND RETURN ACCEPTANCE COPY WITHIN 5 DAYS</b></p>		200.00	200.00

IF DELIVERY OF COMMODITIES IS UNABLE TO BE COMPLETED BY THE DATE INDICATED ABOVE. PLEASE GIVE REASONS FOR SUCH A DELAY AND PROVIDE SUBSEQUENT DELIVERY DATE.

<b>TO BE USED FOR</b> VOLCANISM RESEARCH		<b>DELIVER TO</b> B.HILL/A.LOPEZ/B.189		<b>REQ. NUMBER</b> 934769	<b>BUYER</b> VERA C. ELIZONDO
<b>APPROVED BY</b>	<b>ACCOUNT NO.</b>	<b>AMOUNT</b>	<b>ACCOUNT NO.</b>	<b>AMOUNT</b>	<b>AMOUNT</b>

THIS ORDER IS SUBJECT TO TERMS AND CONDITIONS HEREIN AND ON REVERSE SIDE HEREOF.