EXHIBIT 141



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.



UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 3-614-184

EFFECTIVE DATE OF REGISTRATION

93 13

Month Day

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE	USE A SEPARATE CONTINUATION SHEET.
DO NOT WATE ABOVE THIS ENEL!! TOO REED MOTE OF ACE	-,

1993 Annual B GENERAL TEST ME.	ook of ASTM THOOS; NON ME	Standards: GENEUAL ME TAL; LABOLATORY APPAR	ETHOOS AND THETEUMENTATION PATUS; STANSTICAN METHOOS POLENSIC SCIENCE
Volume V	Number ▼	Date on Copies ♥	Frequency of Publication ▼
14.02	14	JUNE 1993	Annual

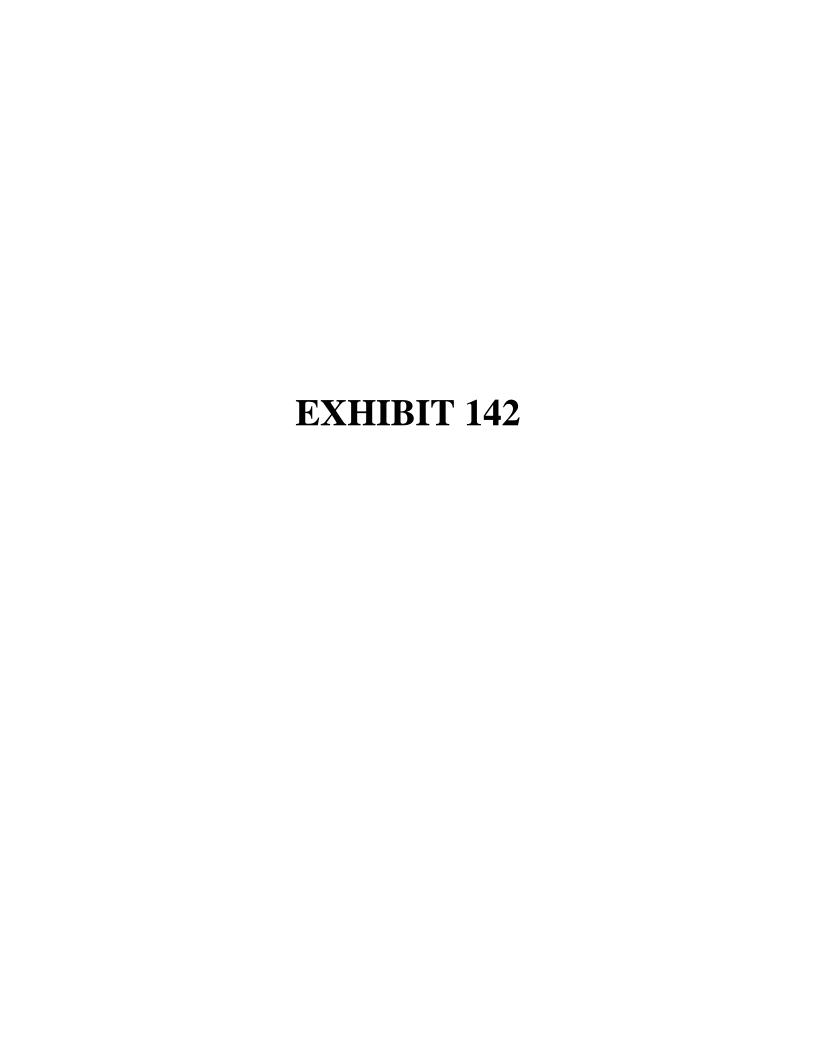
)	a	NAME OF AUTHOR ♥	y for Testing and Materials	DATES OF BLR Year Born ♥	TH AND DEATI Year Died	H
	2	Was this contribution to the work a "work made for hire"? Yes No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR { Citizen of >	WAS THIS AUT THE WORK Anonymous? Pseudonymous?	☐ Yes ☐ No ☐ Yes ☐ No	II the answer to either of these questions is res, see detailed instructions
JIE	1	NATURE OF AUTHORSHIP	Briefly describe nature of the material created by this author in w	hich copyright is cla	imed. ▼	
Inder the law he "author" of a		Callective Work Other:	Entire Text	DATES OF BUY	TH AND DEAT	
work made for time" is generally the employer, not the em-	***	NAME OF AUTHOR ♥		Year Born ♥	Year Die	તેં ♥
illywe (see in-		Was this contribution to the work a 'work made for hire"? No	AUTHOR'S NATIONALITY OR DOMICILE Name of country Citizen of Domiciled in Domiciled in Domiciled	WAS THIS AUTHE WORK Anonymous? Pseudonymous?	THOR'S CONT	RIBUTION TO If the answer to either of these questions is "Yes." see detailed instructions
			Briefly describe nature of the material created by this author in w	hich copyright is cla	imed. ▼	Historicals
		Collective Work Other:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		to the second second	
	7709	NAME OF AUTHOR ♥		DATES OF BIR Year Born ♥	TH AND DEAT Year Die	
2544550	77	Was this contribution to the work a "work made for hire"? Yes No	AUTHOR'S NATIONALITY OR DOMICILE Name of Country OR Citizen of Domiciled in	WAS THIS AU THE WORK Anonymous? Pseudonymous?	THOR'S CONTI	RIBUTION TO If the answer to either of these questions is "Yes." see detailed instructions
		_				
		NATURE OF AUTHORSHIP	Briefly describe nature of the material created by this author in w	hich copyright is cla	imed. ▼	
	00.000	Collective Work Other: YEAR IN WHICH CREATION ISSUE WAS COMPLETED This				SE ISSUE ■ Nation
3.	3	Collective Work Other: YEAR IN WHICH CREATION ISSUE WAS COMPLETED This 1993 Year in a COPYRIGHT CLAIMANT(S) N same as the author given in space 2.1	OF THIS DATE AND NATION OF FIRST PUB Complete this information of the given of the given has been published. ONLY If this work has been published. U.S.A.	Day ►	Year Vear Vear Vear Vear Vear Vear Vear V	2
	3	Collective Work Other: YEAR IN WHICH CREATION ISSUE WAS COMPLETED This 1993 Year in a COPYRIGHT CLAIMANT(S) N same as the author given in space 2.1	OF THIS DATE AND NATION OF FIRST PUBLISHMENT OF THE STREET PUBLISHMENT	APPLICATION AUG. 1 3.	Year Vear Vear Vear Vear Vear Vear Vear V	2
S so instructions Server completing this space	1	Collective Work Other: YEAR IN WHICH CREATION ISSUE WAS COMPLETED This 1993	OF THIS DATE AND NATION OF FIRST PUBLISHMENT OF THE	APPLICATION AUG. 1 3.	Year Year Year Year Year Year Year Year	Nation

DO NOT WRITE HERE

MORE ON BACK ▶ • Complete all applicable spaces (numbers 5 11) on the reverse side of this page
• See detailed instructions • Sign the form at line 10

Ì		
	CHECKED BY CHECKED BY	FORM SE
	CORRESPONDENCE	FOR COPYRIGHT
		OFFICE USE ONLY
	DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.	
	PREVIOUS REGISTRATION Has registration for this issue, or for an earlier version of this particular issue, already because the second state of the	**************************************
ä	■ Yes □ No If your answer is "Yes," why is another registration being sought? (Check appropriate box) ▼ ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished form. ■ □ This is the first published version of an issue previously registered in unpublished version of an issue published version of	8.00
	b. This is the first application submitted by this author as copyright claimant.	W
	c. This is a changed version of this issue, as shown by space 6 on this application.	
	If your answer is "Yes," give: Previous Registration Number ▼ TX# 3 460 70 Year of Re~istration ▼ 1992	
	CERIVATIVE WORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation. 1992 Annual Book of ASTM Standards, Section // Volume // OZ	6
	b Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. V Compilation of previous published text plus additional text.	See instructions before completing
	gravious published text plus additional text.	this space
	—space deleted—	
	REPRODUCTION FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a most physically handicapped and under the conditions and limitations prescribed by the regulations of the Congress to reproduce and distribute solely for the blind	
ı	The trus apparation in Braille (or similar tactile symbols); or (2) phonogeneral ambodying a final control copyright Office (1) copies of the work identified in space	
!	Copies and Phonorecords b	ww nstructions
1	DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Account Number V	ar Handelions
1_	Name ▼ Account Number ▼ Account Number ▼	
	CORRESPONDENCE Give name and address to which correspondence about this application should be sent. Name/Address/Api/City/State/Zip V	
	Robert L. Meltzer, ASTM 1916 Race Street	(1992)
	Philadelphia, PA 19103-1187	-la sure 10
	Area Code & Telephone Number ▶ 215-299-5431	livime phone ■ umber
	CERTIFICATION Laborate	•
-	CERTIFICATION* I, the undersigned, hereby certify that I am the author other copyright claimant	ar enemeration (Colors
	Owner of and with the Auto	
ь	by me in this application are correct to the best of my knowledge.	
	Name of author or other copyright claimant, or owner of exclusive right(s) a lipped or printed name and date V If this application gives a date of publication in space 3, do not sign and submit it before that date.	
2.5	MODEL L. Meltzer	
17	date ▶	
1	F Handwritten fignature (X) Y Mulgus	
	Name V	
	Sign your application in space 10	
	Number-Street Apartment Number V 1. Application form 2. Nonrefundable \$20 filing fee	* *
17	alled in City State ZIP ▼	
	Philadelphia, PA 19103-1187	i
-	Washington DC 2050	000000000000000000000000000000000000000
2e	17 U.S.C. (a 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement 1990–75,000.	hood n

475,000 miles





This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.



FORM SE for a Serial

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER



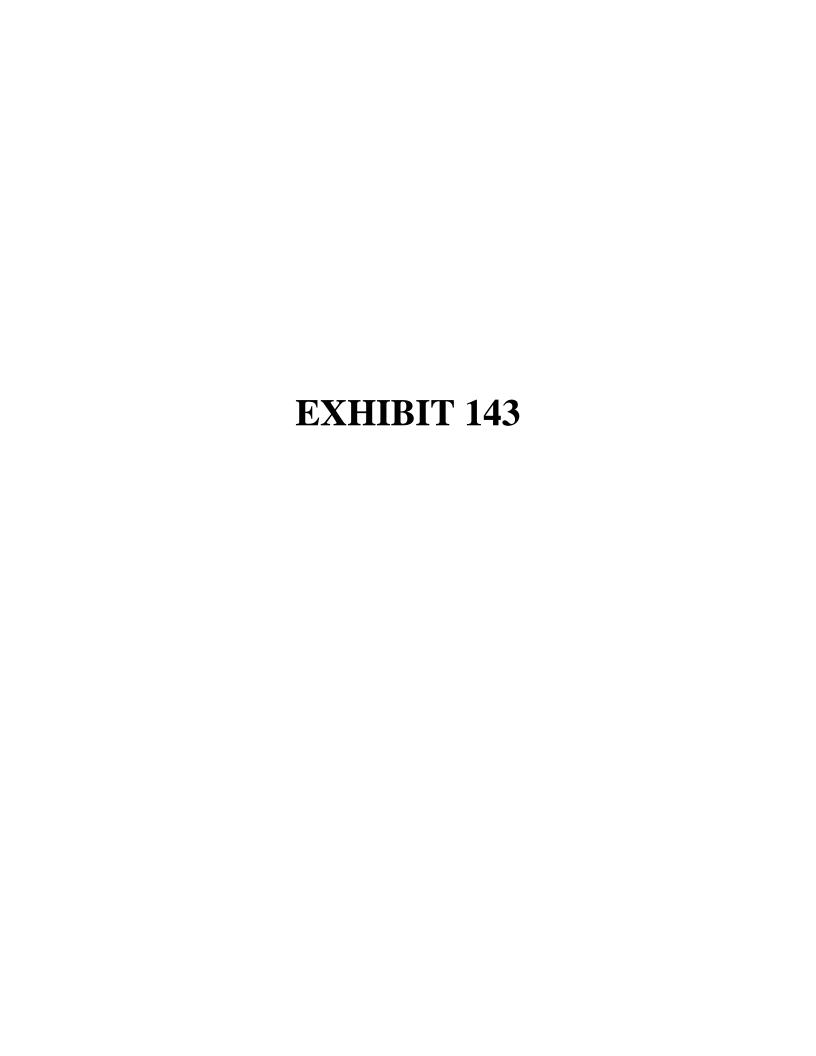
EFFECTIVE DATE OF REGISTRATION

Month 3 Day 20 Year 98

*****	TITLE OF THIS SE	***************************************			RATE CONTINUATION SHEET.
	1998 Annual Boo	ok of ASTM Standard	is, Iron and Steel	Producta: Ships an	nd Marine Technology
	Volume V	Russer	Date e	a Copies W	Programmy of Publication V
	01.07	01	* Febr	uary 1998	Annual
	PREVIOUS OR AL	fernative titles \	7		
	NAME OF AUTHO	R♥			DATES OF BIRTH AND DEATH Year Born V Year Died
8	American Society	for Testing and Mat	ori cle		Tom Date V
	Was this contribution: Work m	ade for hire"?	AUTHOR'S NATIONALITY OR DOMICILE Name of Country (Citizen of P.		WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? Yes No "Yes," ese detailed
re :	i No	OR	Domiciled in >	United States	Pacifications [] 1 es [] No instructions.
W.	Collective Work	Other: Entire Te		al created by this author	in which copyright is claimed. ♥
of a :: for trafty ir,	NAME OF AUTHO	R♥ ·			DATES OF BIRTH AND DRATH Year Born♥ Year Died ♥
in- For his m ro"	∐ Yes		of Country Citizen of	ITY OR DOMICILE	THE WORK If the enswer to eith Anonymous? Yes No of these questions it.
in 10-	NATURE OF AUTH	ORSHIP Briefly describ	Domiciled in >	I created by this author	Pseudonymous? Yes No instructions. in which copyright is claimed. ♥
ne r for	Collective Work	Other:			
rork of C d C	NAME OF AUTHOR	R♥			DATES OF BURTH AND DEATH Year Born ▼ Year Died
ace birth lank	∐ Yes		of Country Citizen of	ITY OR DOMICILE	THE WORK Anonymous? Yes No "Yes" see detailed
	No NATURE OF AUTH	ORAHIP Briefly describ	Domiciled in >	I created by this author	Pseudonymous? ☐ Yes ☐ No instructions.
	Collective Work	Other:	3.		M WINE VOYINGS & COMMING V
a	YEAR IN WHICH C ISSUE WAS COMP 1998	REATION OF THIS LETED This information must be given Year in all cases.		is information Month work	T PUBLICATION OF THIS PARTICULAR ISSUE February Day 27 Year 1998
	same as the author give American Societ	y for Testing and Ma	4.8 1.32	n if the claimant is the	APPLICATION RECEIVED MAR 2 0.1998 ONE DEPOSIT RECEIVED
	100 Barr Harbor	Drive			TWO DEPOSITS RECEIVED
structions completing	- West Constant	oken, PA 19428-29	50		

REMITTANCE NUMBER AND DATE

Date on	copy is January 1998.	EXAMINED BY	FORM SE
		CORRESPONDENCE	AWD FOR
		Yes	COPYRIGHT OFFICE USE ONLY
***************************************	DO NOT WRITE ABOVE THIS LINE. IF YOU NEED I	NORE SPACE, USE A SEPARATE CI	ONTINUATION SHEET.
PREVIOUS R	EGISTRATION Has registration for this issue, or for an earlier versi	on of this particular issue, already been ma	de in the Copyright Office?
N Yes	No If your answer is "Yes," why is another registration being so the first published version of an issue previously registered in unpublish	aght? (Check appropriate box) ▼	5
	the first application submitted by this author as copyright claiment.	ned Form,	
c. 🔲 This is a	a changed version of this issue, as shown by space 6 on this application	<u>.</u>	
If your answer is	s "You," give: Previous Registration Number ♥ Your o	Registration	, e
a. Proceinting ?	WORK OR COMPILATION Complete both space 6a & 6b for a c Material Identify any precisiting work or works that this work is been all Book of ASTM Standards, Section 01, Volume 01.07	d on or incorporates. 🛡	apilation.
L. Material Ad Compliation	ded to This Work Give a brief, general statement of the material that n of previous published text plus additional text.	has been added to this work and in which	See instructions before completing this space.
uncommunicación.			
	emana dala	4-3	7
	-space dele	req	
OUR OF THE DOTTER	ON FOR USE OF BLIND OR PHYSICALLY HANDICAPPED here in space 8, conditutes a non-exclusive grant of permission to the l	threev of Consesses to expendence and district	urte colety foothe blind and
TAN AMSOMITTS A TRUST WITH	capped and under the conditions and limitations prescribed by the regul ion in Braille (or similar tactile symbols); or (2) phonorecords embody	stices of the Consmissed (197on) (1) confer -	Files seconds I dentify and I
	a 🔀 Copies and Phonorecords b 🗀 Co	pics Only c	Phonorecords Only See Instructions.
DEPOSIT ACC	OUNT If the registration foe is to be charged to a Deposit Account es	tablished in the Commists Office give near	o and marker of Account
Name V		count Number ♥	9
-	PENCE Give name and address to which correspondence about this ag	DA076328	head/AdChd@nia/ZIP
Kathe Hoope	r, American Society for Testing and Materials		
100 Barr Harl	bor Drive phocken, PA 19428-2959		to sure to
TTOOL OUTSIN		32-9634	give your daylime phone daylime phone
CERTIFICATION		Mor	
	វិក .	ther copyright chairment	10
of the work identi	(I)OC IN this embication and that the eleteracite made	wner of exclusive right(s)	
by me in this appl	lication are correct to the best of my knowledge.	uthorized agent of American Society Name of author or other copyright claimsr	for Testing & Materials t, or owner of exclusive right(s)
Typed or printed a		ace 3, do not sign and submit it before that	
	Robert L. Meltzer	date	3-5-98
	Loley & MILTIN		
NAME OF THE OWNER			
MAIL CENTIFICATE	Kathe Hooper, ASTM	. 3	Complete all necessary spaces Sign your application in space 10
TO	NumberShiel/Aperiment Number W	**	The Copyright Office has
Certificate	100 Barr Harbor Drive	2	Application form Nonrefundable \$20 fiting fee In check or money order psyable to Register of Copyrights The and segments and segments the contract or the co
will be	Oky/Blade/ZIP	1 3.	payable to Register of Copyrights The sem adjustment is due in 1995. Player due in 1995 of Player
melled in window	West Conshohocke, PA 19428-2959		Office pilor dely 16th to describe the actual too solution of Copyrights
etivelope		U	brary of Congress fashington, D.C. 20559
Reconstruction and the second		~~~~	





This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

REGISTER OF COPYRIGHTS

United States of America

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 4-029-465

EFFECTIVE DATE OF REGISTRATION

MAR 16 1995

***************************************	DO NOT WRITE ABOVE THIS LINE. II	F YOU NEED MORE SPACE, USE A SEPARATE (CONTINUATION SHEET.	
***	TITLE OF THIS SERIAL W	Mana . B	eet froduc	li .
7	Volume ▼ Number §	Date on Copies V	Frequency of Publication V	**************
2 C	PREVIOUS OR ALTERNATIVE TITE	7 January 199	Annu	a1
79	- CET			
í	A	or Testing and Materials	DATES OF BIRTH AND Year flore	CEATH
	Was this contribution to the work a "work made for hire"?	HOR'S NATIONALITY OR DOMICILE of Country Citizen of D	WAS THIS AUTHOR'S CO	A the are not to order
NOTE	□ No ON \$	Domiciled in Dited States	Pseudonymous? Yes	"Am " son chatalant
Under the law the 'author' of a 'work made for	Collective Work Other: Em	escribe nature of the material created by this author in w		THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT N
thre' is generally the employer not the em- ployee (see in-	NAME OF AUTHOR V		DATES OF BLETH AND Y	DEATH ar Died V
structions) For any part of this work that was "made for hire"	Yes "work made for hire"? Name	HOR'S NATIONALITY OR DOMICILE of country Citizen of P	WAS THIS AUTHOR'S OF THE WORK	If the septest to extra
check 'Yes' in the space pro-	□ No OR{	Domiciled in P	Pseudonymous? Yes	The Lane should be at
vided give the employer for other person for	Collective Work Other:	escribe nature of the material created by this author in w		CONTRACTOR IN CONTRACTOR OF THE CONTRACTOR
whom the work was prepared) as "Author" of this part and leave the space	NAME OF AUTHOR V		DATES OF SERVER AND D	EATH Died W
for dailes of birth and death blank	"work made for hine"? Name	HOR'S NATIONALITY OR DOMICILE of Country Citizen of P	WAS THIS AUTHOR'S CO	vortex of rawana art N
	□ No	Domiciled in D	Pseudonymous? Yes	"this " son detailed
	NATURE OF AUTHORSHIP Briefly do Collective Work Other: YEAR IN WHICH CREATION OF TH	escribe nature of the material created by this author in wh	***************************************	
J a	ISSUE WAS COMPLETED This betarries must be give 1995 4 Year in all cases.	Conspicte this Information Morin D 222	Lary ON DE YEAR!	/995_ Mahon
4	same as the author given in space 2.W	address must be given even if the claimant is the	APPLICATION RECEIVED	DAMESTICIS L'INDITÉ L'ETTE TRESIDEN L'ENERGE L'INDICE L'ENGEL E
ATT		Testing & Materials	ONE DEPOSIT RECEIVED	
See instructions before completing	1916 Race Street Philadelphia, PA	19103-1187	TWO DEPOSITS RECEIVED	
his space	TRANSFER If the claimant(s) named here i	n space 4 are different from the author(s) named claimant(s) obtained ownership of the copyright.	S RELIGITATION TO AN CONTROL OF AN	

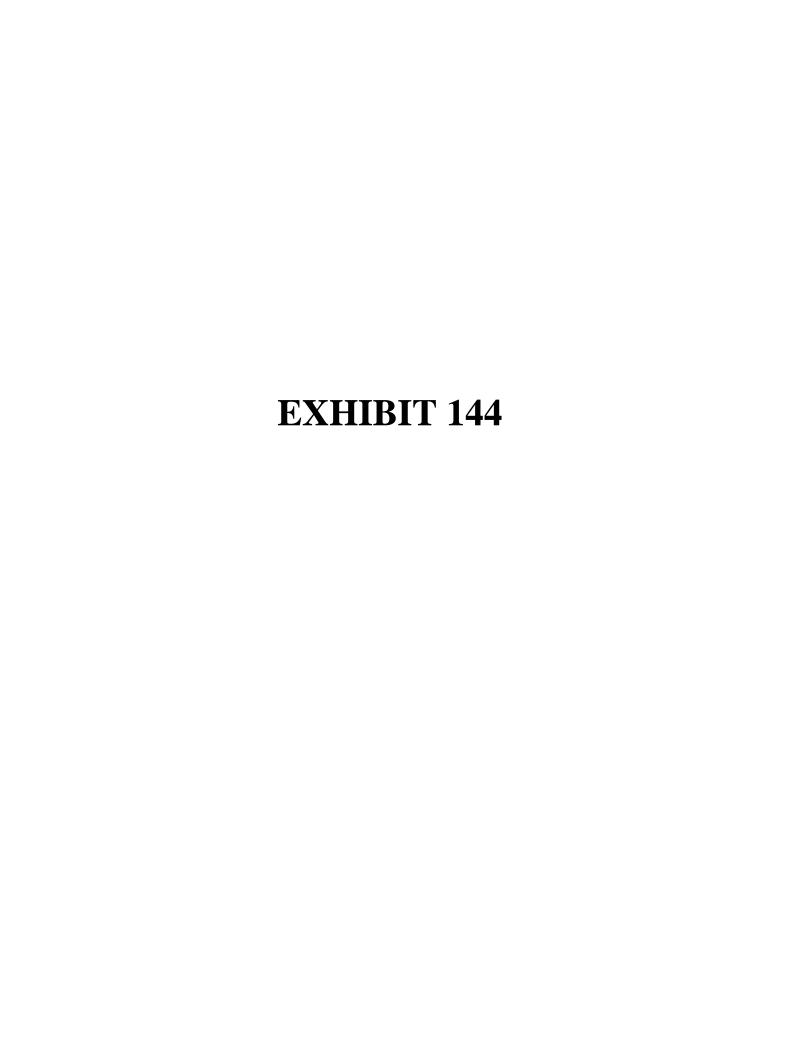
MORE ON BACK ➤ • Complete all applicable spaces (numbers 5:11) on the reverse side of this page

See detailed instructions

DO NOT WAIYE WERE

Page 1 of...

		EXAMINED BY	FORM SE
		CHECKED BY	
		CORRESPONDENCE Yes	FOR COPYRIGHT OFFICE USE ONLY
***********************	DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MO	DRE SPACE, USE A SEPARATE CONTINUATION SHEET.	
S Yes I No I This is th II This is th	EGISTRATION Has registration for this issue, or for an ear If your abswer is "Yes," why is another registration being sous e first published version of an issue previously registered in uni- e first application submitted by this author as copyright claimar	ther version of this particular issue, already been made in the Copyright Office? ght? (Check appropriate box) ♥ published form nt	S
	hanged version of this issue, as shown by space 6 on this applic s "Yes," give Previous Registration Number V	Year of Re~istration ♥	
. Preexisting	WORK OR COMPILATION Complete both space 6a & 6 Material Identify any preexisting work or works that this work and Book of ASTM Standards,	k is based on or incorporates. 🐨	
Material Ad Compila	ded to This Work Give a brief, general statement of the mater tion of previous published t	ext plus additional text.	See instructions before completing this space
	—sp	ace deleted—	***************************************
heck in one of t nd physically h of this applical	andicapped and under the conditions and limitations prescribed by in Braille (or similar tactile symbols), or (2) phonorecords em	mission to the Library of Congress to reproduce and distribute solely for the blind	See instructions
DEPOSIT AC	COUNT If the registration fee is to be charged to a Deposit A	Account established in the Copyright Office, give name and number of Account. Account Number ♥	Ĉ
Rober	t L. Meltzer, ASTM	bout this application should be sent. Name Address Apt City State-Zip ♥	*
	Race Street delphia, PA 19103-1187		Be sure to give your
	Area Code & Telephone Number >	215-299-5431	daytime phone Inumber
the work iden	Check one ▶	author other copyright claimant owner of exclusive right(s) American Society Authorized agent of for Testing and Material Name of author or other copyright claimant or owner of exclusive right(s)	
	name and date V If this application gives a date of publication to L. Heltzer	in space 3, do not sign and submit it before that date.	25
T	Handwritten signature (X) ▼	ert L. Helter	
AAL ERTIFI- EATE TO Cortificate	Name V Kathe Hooper, ASTM Number Sireel Apartment Number V 1916 Race Street	Complete all noosessry spaces Stan your anniferation in space 10 Application form Nonrefundable 520 filing lee in check or money order payable to Plag late of Copyrights	
nelled in rindow nvelope		-1187 Regular of Copyrights Library of Congress Weshington, D.C. 20559	
" USC 1 5060	Any person and knowingly makes a laise representation of a material fact	in the application for copyright registration provided for by section 409 or in any written statem	ent liled in





FORM SE
For a Serial
UNITED STATES COPYRIGHT OFFICE
REGISTRATION NUMBER



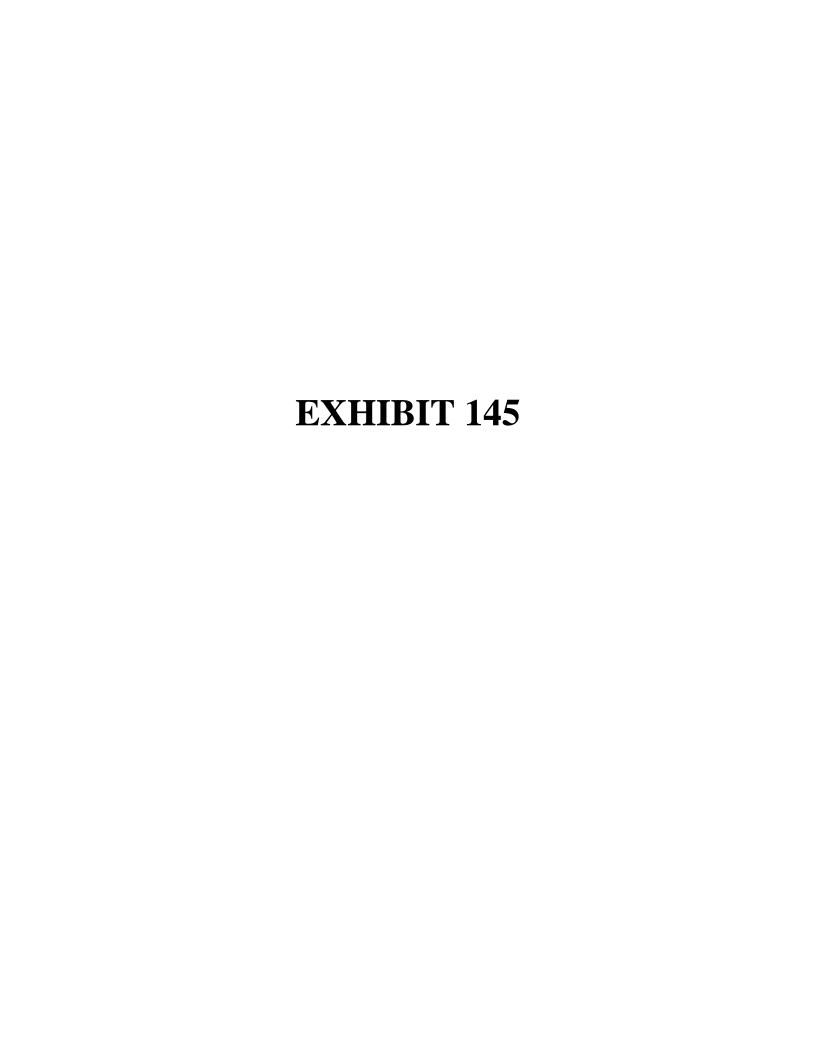
EFFECTIVE DATE OF REGISTRATION

DEC 2 7 1999

DEC	<i>L 1</i>	1777	
Month	Day	Year	

						Month	Day	Year	
	DO NOT WRITE	AROVE THIS I INF	IE YOU NEED MO	ORE SPACE, USE A 8	REPARAT	E CONTINUATION	RHEET		
******************	**************************************		. If TOO REED MO	JAL SPACE, USE A	SEPARAI	E CONTINUATION		****	
A	TITLE OF THIS:	TITLE OF THIS SERIAL ▼							
	4000 Annual D	4000 Annual Deals of ACTM Otondards. End the Delatest							
•	1999 Annual Book of ASTM Standards: End Use Products								
	Velume ▼	Number		Date on Copies ♥		Frequency of Publication			
	V Watter V	Number		Date on Copics V		rrequercy or rubucano	u v		
	15.07	15		November 1999		Annual			
		LTERNATIVE TIT	T FO W	14040IIIDDI 1000		Zilloa			
	PREVIOUS OR A	LIERNALIVE III	LES V						
300000000000000000000000000000000000000					200 0000000000000000000000000000000000	*************************	**************		
	NAME OF AUTH	OR▼			***************************************	DATES OF BIRTH	AND DEATH		
	American Socie	ety for Testing and	d Materials			Year Born	Year Died	. ▼	
	64								
	Was this contribution	on to the work a		ONALITY OR DOMI	CILE	WAS THIS AUTHO	R'S CONTRIE	BUTION TO	
	"work	made for hire"?	Name of Country ← Citizen of ▶			THE WORK	! ! .v □ .v. !	f the answer to either of these questions is	
	⊠ Yes		OR { Domiciled in	▶ United State	88	Anonymous? Pseudonymous?]Yes ∐ No.]Yes ∏ No.i	of these questions is Yes," see detailed natructions.	
NOTE		THORSHIP Briefly		material created by this					
Under the law.	Collective Work								
the "author" of a 'work made for	NAME OF AUTH					DATES OF BIRTH	AND DEATH		
hire" is generally	NAME OF ACTI	OR V				Year Born ♥	Year Died		
the employer, not the em-									
ployee (see in- structions). For	Was this contributio	- 4- 4b- made a	AUTHOR'S NATI	ONALITY OR DOMI	CILE	WAS THIS AUTHO	D'S CONTRI	RUTION TO	
any part of this	work	made for hire"?	Name of Country			THE WORK	}	f the answer to either	
rork that was "made for hire"	☐ Yes ☐ No		OR { Citizen of ▶ Domiciled in	<u> </u>	 	Anonymous?	162 140	of these questions is Yes," see detailed instructions.	
theck "Yes" in he space pro-		TIODOTTE D' G				Pseudonymous?		ristructions.	
ided, give the imployer (or		•	describe nature of the	material created by this	author in w	men copyright is claim	×. ▼		
other person for	Collective Work					D. I METO ON DYNAMI	A NYS IN WARREN		
whom the work was prepared)	NAME OF AUTH	OR▼				DATES OF BIRTH Year Born ▼	AND DEATH Year Died	▼ 1.	
ss "Author" of het pert, and	C								
save the space or dates of birth				AV. 1 VIII AN BALO	- T				
and death blank.	Was this contributio	n to the work a made for hire"?	Name of Country	ONALITY OR DOMI	CILE	WAS THIS AUTHO		THE answer to either	
	∐ Yes	made for filte ?	OR { Citizen of ▶			Anonymous?	169 [140 *	of these questions is Yes," see detailed	
	☐ No		Domiciled in	>		Pseudonymous?	Yes 🗌 Noi	nstructions.	
	NATURE OF AUT	THORSHIP Briefly	describe nature of the	material created by this	author in w	hich copyright is claim	æd.		
\$40,000,000,000,000,000,000	Collective Work	Other:			200000000000000000000000000000000000000		*********************		
2	YEAR IN WHICH	I CREATION OF T	HIS DA	TE AND NATION OF		N.1	4.0	4000	
.5	ISSUE WAS COM 1999	must be		nplete this information .Y If this work	Month ▶	Nov _{Day} ▶ United State		ır▶ <u>1999</u>	
***************************************	4 <u>1999</u>	◀ Year in all cas	ies, V has	been published.			5		
4			and address must be g	iven even if the claimant	t is the	APPLICATION RE			
4	same as the author g				1	UL 10001119	99		
		iety for Testing ar	nd Materials			ONE DEPOSIT RE			
See instructions	100 Barr Harb					-m 0			
before completis	west Conshol	hocken, PA 194	28-2959			TWINDEPOSITS	RCBVED		
this space.				rent from the author(s) n	named	DEC 7.19 ONE DEPOSIT RE TWO DEPOSITS !	174		
	in space 2, give a bri	iet statement of how the	he claimant(s) obtaine	d ownership of the copyr	right.	EF REMITTANCE NUI	ADED AND DAT	E	
					12	BO REMITTANCE NUI	NUCK AND DATE	i	

	EXAMINED BY	FORM SE
	CHECKED BY	
	<u> </u>	FOR
	CORRESPONDENCE	COPYRIGHT OFFICE USE ONLY
Yes Na. Na. This is the Land This is the C. This is a C If your answer is T DERIVATIVE Va. Preexisting Management National Land Compilation of REPRODUCTIC	e first published version of an issue previously registered in unpublished form. e first application submitted by this author as copyright claimant. changed version of this issue, as shown by space 6 on this application. 'Yea," give: Previous Registration Number Year of Registration YORK OR COMPILATION Complete both space 6a & 6b for a derivative work; complete only 6b for a compilation. Internal Identify any preexisting work or works that this work is based on or incorporates. I Book of ASTM Standards, Section 15, Volume 15.07 ed to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed. of previous published text plus additional text. Space deleted DN FOR USE OF BLIND OR PHYSICALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and a check	See instructions before completing this space.
one of the boxes he physically handica	ere in space 8, constitutes a non-exclusive grant of permission to the Library of Congress to reproduce and distribute solely for the blind an upped and under the conditions and limitations prescribed by the regulations of the Copyright Office: (1) copies of the work identified in span in Braille (or similar tactile symbols); or (2) phonorecords embodying a fixation of a reading of that work; or (3) both.	
	a Copies and Phonorecords b Copies Only c Phonorecords Only	See instructions.
Name ♥	DUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account. Account Number ▼ Prican Society for Testing and Materials DA078328	9
CORRESPOND	ENCE Give name and address to which correspondence about this application should be sent. Name/Address/Apt/City/State/ZIP American Society for Testing and Materials	
	hocken, PA 19428-2959	Be sure to give your
	Area Code & Telephone Number ▶ (610) 832-9634	daytime phone daytime phone number
CERTIFICATIO	ON* I, the undersigned, hereby certify that I am the author other copyright claimant	10
	Check only one owner of exclusive right(s) authorized agent of American Society for Testing & Materication are correct to the best of my knowledge. American Society for Testing & Materican Society for Testing & Materi	
Typed or printed no	anne and date ▼ If this application gives a date of publication in space 3, do not sign and submit it before that date. Robert L. Meltzer date ▶ 12-20-99	
[F	Tandwritten signature (XX)	
MAIL CERTIFICATE TO	Name ▼ Kathe Hooper, ASTM **Complete all necessary spectors of the property	The Copyright Office has the authority to adjustess at 5-year intervals based on changes in the
Certificate will be mailed in window envelope	in check or morey order payable to Register of Copyr 3. Deposit material West Conshohocken, PA 19428-2959 Register of Copyrights Library of Congress Washington, D.C. 20559	Consumer Price Index.



Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

In testimony whereof, the seal of this office is affixed hereto on



TX 3-114-937

Kay A. Tush

October 2, 2019

United States Register of Copyrights and Director

FORM SE

UNITED STATES COPYRIGHT OFFICE

REGISTRATION NUMBER

TX 3 114 937

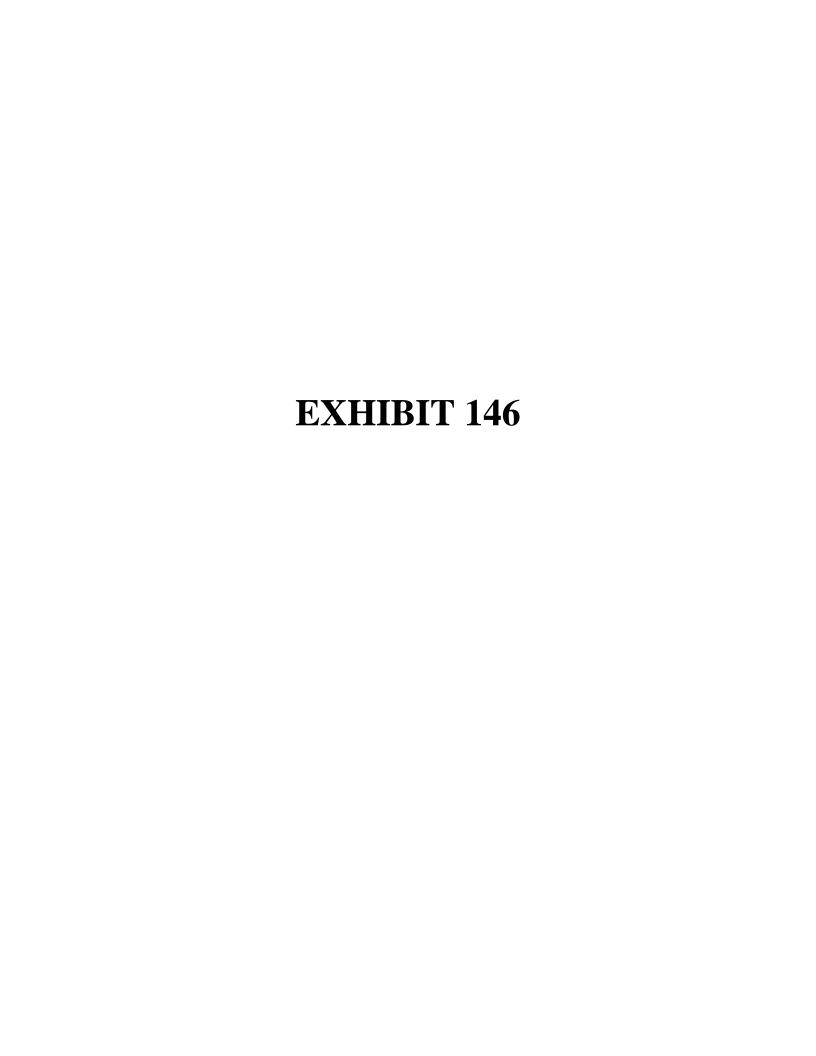
EFFECTIVE DATE OF REGISTRATION

JUL 25 1991

BO NOT WHITE ABOVE THIS LINE IF YOU REED MORE SPACE, USE A REPARATE CONTINUATION SHEET. TETLE OF THIS SERIAL W 1991 Annual Book of ASTM Standards: PLASTICS (111): D3100 - 1Afest Number W Date en Coptes V Frequency of Poblication W 08 08:3 MAY 1991 MNNUAL PREVIOUS OR ALTERNATIVE TITLES W NAME OF AUTHOR Y DATES OF BEATH AND DEATH American Society for Testing and Naterials Was this contribution to the work a AUTHOR'S NATIONALITY OF DOMECTE Name of Country WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK E) Yes on Crises of 9
Dominist a P Daited States O Wes O No ALCOHOLD STATE D No NOTE Paradenymous? [] Vis [] No. NATURE OF AUTHORISHIP Briefly describe nature of the material created by tites author 12 also the too flor 'author' of a 'work reads for Cultocaive Wark Entire Text MANGE OF AUTHOR W AUTHOR'S NAFIONALITY OR DONGER May point of this AS THIS AUTHOR'S CONTRACTION TO O Was []. We [] No El Nie Pseudenymeus? C No C No MAPUTE OF AUTHORISMS Briefly describe minors of the marginal of Collective Work NAME OF AUTHOR O DARKS OF SHEET AND DEADER die de AUGUST SCOTTERED TO SEE [] No. O Wa C No □ > C Wes CE No SACREME OF ALCOHOLOGICAL Ready describe runs Char VEAR BY WHILL IT CHEATION OF THIS DALLY DESCRION OF PRIST FOR DESCRION OF THE SENTENCE PARTY. CHICATION (COURS) 75 (93) American Society for Testing & Materials 1916 Bace Struct Philadelphia, Pa 19193-1187 LIVATELL.

					ann de la company de la co	
	1 V	3 114 9	777	EXAMINED BY	prop	FORM SE
	I A	o ela o	·.) #	CHECKED BY		
				CORRESPOND	ENCE	FOR COPYRIGHT
						OFFICE
			and trade I delicate assessment			ONLY
\$170.000 TO THE GOOD OF BO	CONSTRUCTOR CONTRACTOR	aran granda da d	Commission of the second	E SPACE, USE A SEPARATE CON	ALTERNATION OF DESIGNATION OF A STATE OF THE	to compressional see the field
				r version of this particular issue, already ? (Check appropriate bos) *	been made in the Copyright UPHCE.	Later Land
		•	easly registered in unpu			
	• •		r as copyright claimant.			
	••	this issue, as shown by ions Regis eration Night	space 6 on this applicat bes W			
	TX of	859 45	4	1990		
DERIVATIVE W	ORK OR CO	MPILATION Comp	dere best's space 60 & 60	for a deviative work, complete andy the		Contract of the Contract of th
1990 Ann	aal Boo	k of ASEM	Standards,	Section & Volu	me 48.13.	
						Sale ineractions
Compilat:	ion of	previous p	ublished to	that has been added to this work and i	i text.	Before compliant
NO SECURITION OF THE PARTY OF T	SEPPRO TORNALANI, AMBRIC		State of the participant of the			
		Ē				
			-	ce deleted		
REPRODUCTE	IN FOR USE		ISICALLY HAMDIC	APPED ENEXVEDUALS A significant to the Library of Congress to the party	phabute on this form at space 10, and	
and preyncully hon	dicapped and u	exist the conditions and	limitations prescribed by	the regulations of the Copyright Office: andving a fastion of a residing of that w	A) capes of the week identified in spec	
	Copus and P		•	Capies Caly	C Thoneseconds Only	See instructions
			Company of the Compan			
DISPOSIT ACC	OUNT HER	e argineration res 15 en 69		reguest established in the Copyright Ori Osmuse: Newber V	ice, give name and stamber of Accou	^{M.}
			and to the state of the state o			= 3
Robert	La Me		ituch correspondence do E	out this application should be seen. To	Mar Address ACH Copi State: Zip 9	
	ace St	GES		ensy differential accounts a solutific mention the protection and solution accounts by a playing property property distributions and the solution and the solut		00 s.ct.10
_Philad	elghia	. PA 1910	13-1187	215_200_5/31		and distributed the contract of the contract o
				217-277-3431		- dimen
		terugnos, hereby custa] teller	STEMS (CHOICE COME COME COME COME COME COME COME CO	
			Charles owner file 37] ather copyright characte		40
of the work identi	find in this ago	fication and that the st-	H .	James of ancheses agents) Access Transferenced agent of Const. Tipe		
		ect to due busy of my ha			projek ciliarium, or orange of graduates registic	
		_ 1	ven a class of publications	as space 3, do not sign and publish it bade	ner that there	-
_ neer!	L. BR	LEGGE			6-14-91	grange .
		med	115			and the second s
	100	W ZA	with	A		
		rusta con the		4		
CESTOR	Bak	he Broper,	A CONTRACT			
CATE TO	£	ADMINISTRAÇÃO POR PORTO	The state of the s	· · · · · · · · · · · · · · · · · · ·		
Cardiffeets		6 Duce Sta	ees			
	Ca-Sare and	to the second	36 V61A1	-1107	8 5 5 5 5 5	
	THE REAL PROPERTY.	ladelphia,		F-3-4-F		

1/1/5. CONSTRUCTOR PROVING COVICE: 1000-202-170/70.005





MORE ON BACK ▶

This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

FORM SE UNITED STATES COPYRIGHT OFFICE



REGISTER OF COPYRIGHTS

EFFECTIVE DATE OF REGISTRATION

OTTIC	II IL SEI IL			United States	of America	Month	Dey	Year
	DO NOT WRITE A	BOVE THIS LINI	E. IF YOU MEE	D MORE SPACE, USE	A SEPARAT	F CONTINUATION	SHEET	
×2700 2000000,4000	TITLE OF THIS SE	**************************************			AGEFAIG	LOGATINOATION	oner.	
	1998 Annual Book o	f ASTM Standards		Methods, Monmetal, Chro MPAI Ahs Stash			: Materials; Fore	neic Sciences, L
	Volume ▼	Number		Date on Copies ♥		Frequency of Publicati	on A	
	14.02	14		July		Annual		
	PREVIOUS OR AL	TERNATIVE TI	TLES ▼					
						· · ·		
8	NAME OF AUTHO American Society		nd Materials			DATES OF BIRTH Year Born ♥	I AND DEATH Year Die	
	Was this contribution work m	to the work a nade for hire"?	Name of Country Citizen	of ▶		WAS THIS AUTH THE WORK Anonymous? [Pseudonymous?]	Yes No	If the answer to e of these question "(es." see details
TE	NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed.							
law, " of a le for	Collective Work NAME OF AUTHO	, Other: Er	ntre Text			DATES OF BIRTI		
erally ver i-						Year Born	Year Die	ed ♥
e in- For this was hire"	∐_Yes	to the work a nade for hire"?	Name of Country Citizen	of ▶	DMICILE	WAS THIS AUTH THE WORK Anonymous?	Yes No	If the answer to ei of these question: "Yes," see detaile
in 0-	NATURE OF AUTH	IORSHIP Briefly	Domici v describe nature	of the material created by	this author in w	Pseudonymous? [_ Yes _ No	instructions.
∵re J . ∙ for	Collective Work	Other:						
red)	NAME OF AUTHO	R♥				DATES OF BIRTH Year Born V	I AND DEATH Year Die	
i, 179 I - 7 h C.estr	Was this contribution Yes "work m	to the work a sade for hire"?	Name of Country Citizen	_	MICILE	WAS THIS AUTH THE WORK Anonymous?		IBUTION TO If the answer to ei of these question "Yes," see detaile
	☐ No		OR { Domici			Pseudonymous?	_ Yes [No	"Yes," see detaile instructions.
	NATURE OF AUTH		y describe nature o	of the material created by	this author in w	hich copyright is clain	ned.♥	
a	YEAR IN WHICH (ISSUE WAS COMP 1998	T TOTAL TOTAL	formation h	DATE AND NATION Complete this information ONLY if this work has been published.	OF FIRST P	UBLICATION OF T June Dey ► United State	<u>22</u> y	ULAR ISSUE 1998 ✓ New Year
11. *** ::::::::::::::::::::::::::::::			//////////////////////////////////////					
	same as the author give American Socie	ren in space 2. ▼		t be given even if the claim		APPLICATION RE		
eto etoes	100 Barr Harbo	-			.	EZ ONE DEPOSIT R LIG	ECEIVED	e .
estructions completing pace	West Conshoho			·		TWO DEPOSITS	RECEIVED	
				e different from the author stained ownership of the o	(s) named opyright.	TWO DEPOSITS TWO DEPOSITS REMITTANCE NO	MARER AND DA	TF.
	-				ļi	5		

* Complete all applicable spaces (numbers 5-11) on the reverse side of this page.

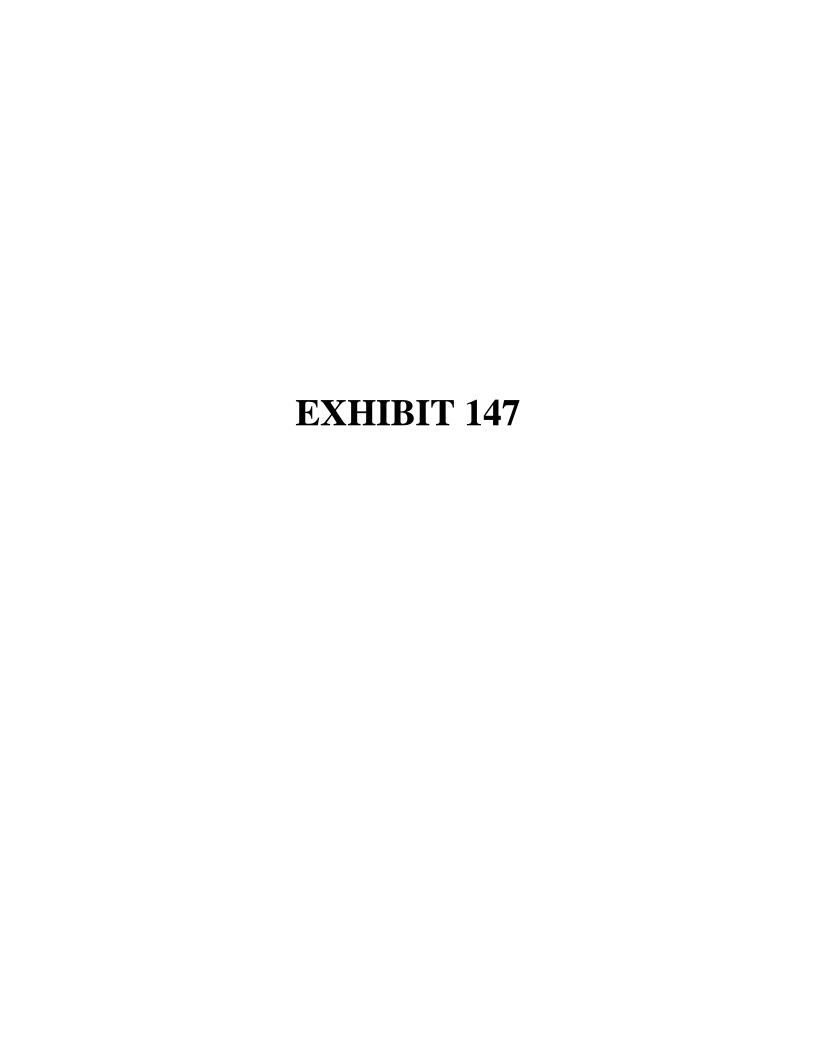
. Sign the form at line 10.

· See detailed instructions.

DO NOT WRITE HERE

	DO NOT WRITE ABOVE THIS I MIE. IE VOU NI	CHECKSORY CHECKSORY CORRESPOND Yes		FORM SE FOR COPYRIGHT OFFICE USE ONLY
Yes No a. This is the b. This is the c. This is a cl	DO NOT WRITE ABOVE THIS LINE. IF YOU NI ISTRATION Has registration for this issue, or for an earlie If your answer is "Yes," why is another registration be first published version of an issue previously registered in un first application submitted by this author as copyright claims nanged version of this issue, as shown by space 6 on this appl ves," give: Previous Registration Number Ves," give: Previous Registration Number	or version of this particular issue, already being sought? (Check appropriate box) ▼ spublished form.		5
DERIVATIVE W a. Preexisting Ma	ORK OR COMPILATION Complete both space 6a & 6b aterial Identify any preexisting work or works that this work Book of ASTM Standards, Section 14, Volume	o for a derivative work; complete only 6b for	a compilation.	6
	d to This Work. Give a brief, general statement of the mater of previous published text plus additional text.	rial that has been added to this work and in v	which copyright is claimed. ▼	See instructions before completing this space.
NOO	space	deleted		7
one of the boxes he physically handica	N FOR USE OF BLIND OR PHYSICALLY HANDICA re in space 8, constitutes a spin-exclusive grant of permission oped and under the conditions and limitations prescribed by the in Braille (or similar tactile symbols); or (2) phonorecords at Copies and Phonorecords	to the Library of Congress to reproduce and he regulations of the Copyright Office: (1) o	distribute solely for the blind and opies of the work identified in space	8 See instructions.
Name ▼	UNT If the registration fee is to be charged to a Deposit Acc rican Society for Testing and Materials		ve name and number of Account.	9
	locken, PA 19428-2 95 9	nt this application should be sent. No. 100 No	me/Address/Apt/City/State/ZIP	Be sure to give your daytime phone
of the work identifi	N° I, the undersigned, hereby certify that I am the Check only one ed in this application and that the statements made ation are correct to the best of my knowledge.	author other copyright claimant owner of exclusive right(s) authorized agent of American S Name of author or other copyright	ociety for Testing & Materials	10
Typed or printed na	me and date V If this application gives a date of publicat Robert L. Meitzer	ion in space 3, do not sign and submit it bef	ore that date. 6-22-98	
" حجد ا	andwritten signature (X) With the			•
MAIL CERTIFICATE TO	Name ▼ Kathe Hooper, ASTM Number/Street/Apartment Number ▼ 100 Barr Harbor Drive		Complete all necessary spaces Sign your application in space 10 1. Application form 2. Nonrefundable \$20 filing fee in check or money order psyable to Register of Copyrights	11
Certificate will be mailed in window envelope	Crty/State/ZIP West Conshohocken, PA 19428-2959	9	psysible to Register of Copyrights 3. Deposit material Register of Copyrights Library of Congress Washington, D.C. 20559	The and adjustment is due in 1996. Please contact the Copyright Office other July 1980 to determine the actual fee schoolds.

^{*17} U.S.C. § 506(e): Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409, or in any written statement filed in connection with the application, shall be fined not more than \$2,500.





This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters
REGISTER OF COPYRIGHTS

FORM SE
For a Serial
UNITED STATES COPYRIGHT OFFICE
RE

TX 5-410-705

TX 5-410-705

EFFECTIVE DATE OF REGISTRATION

Month 2007 Of

		United 3	states of America				
	DO NOT WRITE ABOVE THIS L	.ine. IF YOU NEED MOR	E SPACE, USE A SEPARAT	E CONTINUATION SHEET.	برون المساوية		
1	JODI ANNUAL BOOK OF ASTM STANDARDS: LABORATORY APPARATUS;						
•	Degradation of MATERIALS; 51; OXYGEN FIRE SAFETY Volume V Number V Date on Copies V Frequency of Publication V						
	Volume ▼ Nu	Volume ♥ Number ▼ Date on Copies ▼					
	14.04	14	JULY 2001	ANNUA			
	PREVIOUS OR ALTERNATIVE TITLES ▼						
7	NAME OF AUTHOR ▼ American Society for Testing a	nd Materials	DATES OF BIRTH AND DEATH Year Bom ▼ Year Died ▼				
a	. The road bootety for results a	147 148 101 111 11	Tea bon v Tea bea v				
	Was this contribution to the work a "work made for hire"?	AUTHOR'S NATION.	ALITY OR DOMICILE		nawer to either		
	☐ Yes	OR Citizen of U	nited States	Yes's	n enoiteup in beliatebeen		
	□ No □ Domiciled in □ Pseudonymous? □ Yes □ No instructions. NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼						
NOTE	Collective Work Other: Entire Test						
Under the law, the "author" of a "work made	NAME OF AUTHOR ▼			DATES OF BIRTH AND DEATH Year Bom ▼ Year Died ▼			
for hire" is generally the employer, not the employee (see instruc-	Was this contribution to the work a "work made for hire"?	AUTHOR'S NATION. Name of Country OR Citizen of	ALITY OR DOMICILE	Anonymous?	ION TO namer to either equestions is ee detailed		
tions). For any part of this	□ No	Domiciled in		Pseudonymous? Yes No instructi			
work that was "made for hire" check "Yes" in	NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼ ☐ Collective Work Other:						
the space provided, give the employer (or other-	NAME OF AUTHOR ▼	5		DATES OF BIRTH AND DEATH Year Bom ▼ Year Died ▼			
person for whom the work was prepared) as "Author" of that part, and leave the	Was this contribution to the work a "work made for hire"? Yes	AUTHOR'S NATION, Name of Country OR { Citizen of } Domiciled in }	ALITY OR DOMICILE	Anonymous? O Vos O No of these	swer to either questions is ce detailed		
space for dates of birth and death blank.	NATURE OF AUTHORSHIP Briefly describe nature of material created by this author in which copyright is claimed. ▼ Collective Work Other:						
3 a	YEAR IN WHICH CREATION (ISSUE WAS COMPLETED Th	OF THIS DATE A	this Information Month 304				
See instructions before completing this space.	COPYRIGHT CLAIMANT(S) N the author given in space 2. ▼ American Society for Testin 100 Barr Barbor Drive West Conshohocken, PA 1	g and Materials 9428-2959		ONE DEPOSIT RECEIVED TWO DEPOSITS RECEIVED			
	TRANSFER If the claimant(s) name space 2, give a brief statement of how	d here in space 4 is (are) diffe the claimant(s) obtained own	rent from the author(s) named in ership of the copyright. ▼	AUG 27, 2007 FUNDS RECEIVED			
				1			

MORE ON BACK

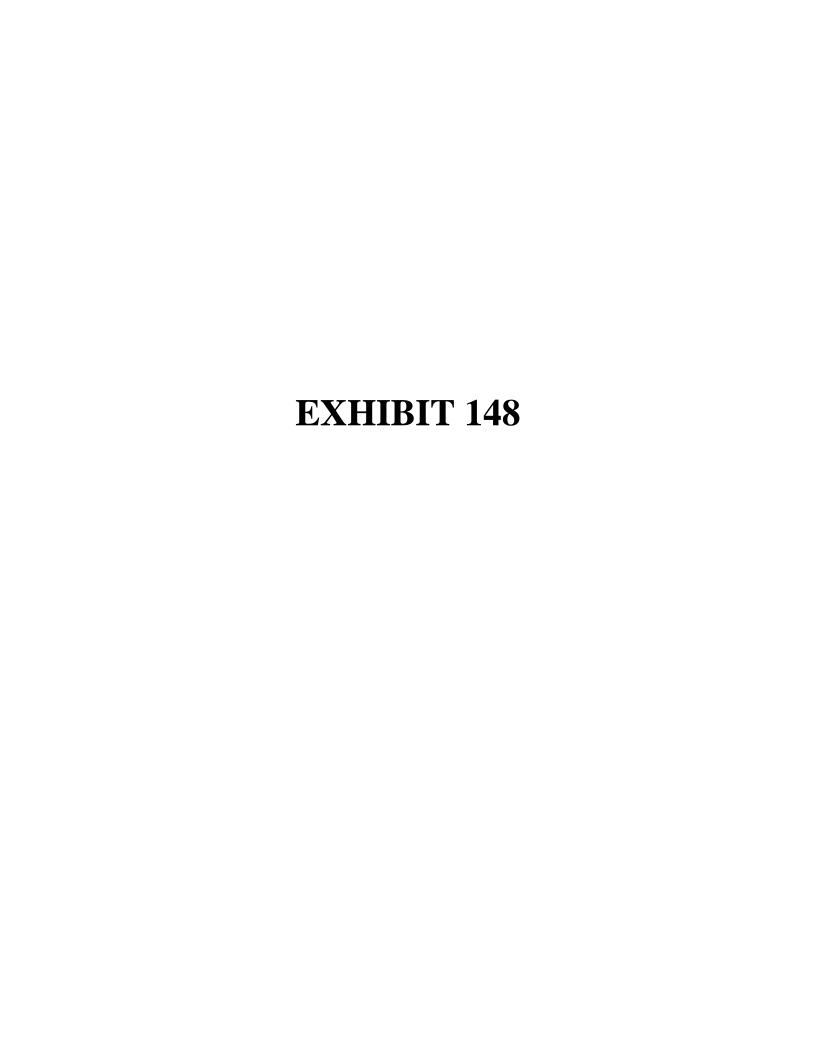
Complete all applicable spaces (numbers 5-9) on the reverse side of this page.

See detailed instructions.

• Sign the form at line B.

DO NOT WRITE HERE

		EXAMINED BY	FORM SE
		CHECKED BY (VI	
		TO CONTINUE	FOR
		CORRESPONDENCE	COPYRIGHT OFFICE
		Particular and the second seco	USE
24			ONLT
÷ Dé	O NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE S	PACE, USE A SEPARATE CONTINUATION SHEET.	
TOTAL DE	CICTO ATION Has registration for this work, or for an earlier ver	rsion of this work, already been made in the Copyright Officer	
Yes I No I	f your answer is "Yes," why is another registration being sought (C)	leck appropriate same	.
☐ This is the fi	irst published edition of a work previously registered in unpublished	i yorm.	
☐ This is the fi	irst application submitted by this author as copyright claimant.		
☐ This is a cha	nged version of the work, as shown by space 6 on this application. "Yes," give: Previous Registration Number ▼	ear of Registration ▼	
•			
ERIVATIVE reexisting Mate	WORK OR COMPILATION Complete both space 6a and 6b ferial Identify any preexisting work or works that this work is based		a 6
2000 Annu	al Book of ASTM Standards, Section 14. Vol	lume 14.04	San instructions
	at DOOK Of ASTM Standards, Section		See instructions before completing this space.
laterial Added	to This Work Give a brief, general statement of the material that ha	s been added to this work and in which copyright is claimed.	h
Compilatio	n of previous published text plus additional text.		
	COUNT If the registration fee is to be charged to a Deposit Account	nt established in the Copyright Office, give name and number of A	ccount.
DEPOSIT AC	COON! If the registration fee is to be damaged to a figure	Account Number 🔻	ca 💮
American !	Society for Testing and Materials	DA078328	
Milicitoan	NDENCE Give name and address to which correspondence about	this application should be sent. Name/Address/Apt/City/State	/ZIP V
Kathe Hoop	per, American Society for Testing and Materials arbor Drive		
West Consi	hohocken, PA 19428-2959		
	ytime telephone number ▶ 610-832-9634	Fax number ▶ 610-832-9635	9
Email •		*	
	er@astm.org	author	
CERTIFICAT		aumor I other copyright claimant	
	Check only one	lauran of evaluative right(s)	Vataniala 😈
of the work ide	entified in this application and that the statements made	Yauthorized agent of American Society for Testing and Name of author or other copyright claimant, or owner of exclusive	Marians ve right(s) ▲
by me in this a	pplication are correct to the best of my knowledge.		
Typed or prin	ted name and date ♥ If this application gives a date of publication in	space 3, do not sign and submit it before that date.	
Robert L. N		Date 8/34/01	
CP	Handwritten signature (X) V		
\sim x			
		200	
		YOU MUST	
Certificate	Name ▼	Complete all necess Sign your application	in space B
will be	Kathe Hooper, ASTM	SEND ALL TELES IN THE SAME PAC	ERIOS RAGE
mailed in window	Number/Street/Apt ▼	Application form Nonrefundable filing payable to Register	tee in check or money order As of
envelope	100 Barr Harbor Drive	3. Deposit material	1999, the
to this address:	City/State/ZIP ▼	MAIL TO Ubrary of Congress Converted Office	filing fee for Form SE
	West Conshohocken, PA 19428-2959	Copyright Office 101 Independence Av Washington, D.C. 205	enue, S.E. is \$30.
	VI COL COMMUNICATION	in the application for copyright registration provided for by section 409, or in an	- with a statement fled in connection



Additional Certificate of Registration of a Claim to Copyright

This is to certify that the statements set forth in the attached have been made a part of the records of the Copyright Office with claim of copyright registered under number

In testimony whereof, the seal of this office is affixed hereto on

TX 2-567-321

October 1, 2019



United States Register of Copyrights and Director

EFFECTIVE DATE OF REGISTRATION





REGISTRATION NUMBER

2 567 321 TX

		Month Day Year 7					
*******************************	DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SE	PARATE CONTINUATION SHEET.					
	TITLE OF THIS SERIAL V 1989 Annual Book of ASTM Standards, Pet Lubricants (II): D 1949 -	croleum Products and					
	Volume ♥ Number ♥ Date on Copies ♥	Frequency of Publication					
	05.02 05 March 1989	Annual					
	PREVIOUS OR ALTERNATIVE TITLES ▼						
	NAME OF AUTHOR♥ American Society for Testing and Materi						
	Was this contribution to the work a "work made for hire"? Yes No No AUTHOR'S NATIONALITY OR DOMICE Name of Country OR Citizen of ▶ Domiciled in ▶ United State	WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK Anonymous? I Yes No of these questions is Tyes, see detailed inclinations.					
Inches the feet	NATURE OF AUTHORSHIP Briefly describe nature of the material created by the Collective Work Other: Entire Text						
~	NAME OF AUTHOR ▼	DATES OF BIRTH AND DEATH Year Born ▼ Year Dind ▼					
* 5 5 5	Was this contribution to the work a ☐ Yes "work made for hire"? ☐ No AUTHOR'S NATIONALITY OR DOMICI Name of country OR OR ODMICITED TO THE PROPERTY OF T	THE WORK Anonymous? Yes \(\sigma\) No of these questions is					
20 20	NATURE OF AUTHORSHIP Briefly describe nature of the material created by this author in which copyright is claimed. ▼ □ Collective Work Other.						
-027	NAME OF AUTHOR ▼	DATES OF BIRTH AND DEATH Year Born ▼ Year Died ▼					
	Was this contribution to the work a "work made for hire"? ☐ Yes ☐ No / 'JTHOR'S NATIONALITY OR DOMICI to me of Country OR ☐ Citizen of Domiciled in Domiciled	THE WORK Anonymous? Yes No of these questions of					
	NATURE OF AUTHORSHIP Briefly describe nature of the material created by this						
	YEAR IN WHICH CREATION OF THIS ISSUE WAS COMPLETED This information must be given in sill cases. Year This information must be given in sill cases. This information must be given must be given in sill cases. This information must be given must be given in sill cases. This information must be given must be given in sill cases. This information must be given must be given in sill cases. This information must be given must be giv	II S A ■ Nation					
		W. UN 02 1989					
See instructions before completing this space	Philadelphia, PA 19103 TRANSFER: f the claimant(s) named here in space 4 are different from the author(s) r in space 2, give a brief statement of how the claimant(s) obtained ownership of the copy						
3 4000000000000000000000000000000000000	MORE ON BACK > a Complete all applicable spaces (numbers 5.11) on the reverse side of	DO NOT WRITE HERE					

MORE ON BACK ► • Complete all applicable spaces (numbers 5-11) on the reverse side of this page • See detailed instructions • Sign the form at line 10

	, X , 2 567 321	CHECKED BY CORRESPONDENCE Yes DEPOSIT ACCOUNT FUNDS USED	FOR COPYRIGHT OFFICE USE ONLY
	DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SE	PACE, USE A SEPARATE CONTINUATION SHEET.	
Tyes IN No a. In This is the b. In This is the c. This is a lift your answer	REGISTRATION Has registration for this issue, or for an earlier versulifyour answer is "Yes," why is another registration being sought? (Che first published version of an issue previously registered in unpublished first application submitted by this author as copyright claimant, changed version of this issue, as shown by space 6 on this application. Is "Yes," give: Previous Registration Number **X** 2 - 3 4 8 - 3 4 3	neck appropriate box) ▼ led form. ear of Registration ▼	
DERIVATIVE a. Preexisting 1988 A.	E WORK OR COMPILATION Complete both space 6a & 6b for a c Material Identify any precedenting work or works that this work is base nnual Book of ASTM Standards Sec	derivative work, complete only 6b for a compilation ed on or incorporates. ▼ ction 05 Volume 05.02	
b. Material Ac Compila	dded to This Work Give a brief, general statement of the material that ation of previous published text	has been added to this work and in which copyright is claimed plus additional text.	See instructions before completing this space
require that the processes, and Names of Mani	The Dead of the Control of the Contr	preponderantly of nondramatic literary material in English, the law may	
check in one of and physically had this applicand the physically had been dependent of the physically had been dependent on the physical p		A signature on this form at space 10, and a to the Library of Congress to reproduce and distribute solely for the blind guilations of the Copyright Office: (1) copies of the work identified in space ag a fixation of a reading of the work, or (3) both. ies Only c Phonorecords Only established in the Copyright Office, give name and number of Account it Number.	
K. T. b	NDENCE Give name and address to which correspondence about this Meltzer, ASTM Ace Street	s application should be sent. Name-Address-Apt-Gity-State-2ib ▼	***************************************
Philade	Palphia, PA 19103 Area Code & Telephone Number ▶ ### CON* I, the undersigned, hereby certify that I am the □ author	215-299-5431 or r copyright claimant	Be sure to give your agrime phone
by me in this ap	owner of the best of my knowledge.	er of exclusive right(s) American Society for correct agent of <u>Testing and Materials</u> Name of author or other copyright claimant, or owner of exclusive right(s)	
Robert	d name and date ▼ If this is a published work, this date must be the sa L. Meltzer Handfritten signature (X) ▼ / /	time as or later than the date of publication given in space 3. date > 5/22/89	
MAIL CERTIFI- CATE TO	Name V Kathe Scholl, ASTM Number Street Apartment Number V 1916 Race Street City State/ZIP V	Have you: Completed all necessary spaces? Signed your application in space 10? Enclosed check or money ord for \$10 payable to Register of Copyrights? Enclosed your deposit material	386 88 P

MAIL TO: Register of Copyrights Library of Congress, Washington D.C. 20559 * 17 U.S.C. § 506(e). Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by securen 409 or in any written statement filed in connection with the application, shall be fined not more than \$2,500.

19103

Philadelphia, PA

mailed in

window

envelope

with the application and fee?