

President: P. S. Kier, Kier Fire Brick Co., file 125-2
Secretary: F.W. Donahoe, #316 Oliver Bldg., Pittsburgh

MELLON INSTITUTE UNIVERSITY OF PITTSBURGH.

1-year, continuous, Fellowship dated May 1, 1918.

OBJECT: THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES EXCEPT GLASS-HOUSE REFRACTORIES

\$6,000 a year for 1 year; no bonus. ++

SIS

FELLOWS: Raymond M. Howe, M.S. (Pittsburgh)

6/1/1918 Bruner M. Burchfiel, A.B. (Southwestern)

2/15/1919 Earle N. Jessop, B.S. (U. of Pittsburgh)

Asstnt: 4/1/18, S.L. Phelps (from Brantford, Ont.)

++ increased to \$7000
in February, 1919

REFRACTORIES

AMERICAN Refractories Institute

Refractories Manufacturers Association, Inc. #1 #115 so
Pittsburgh, Pa. File 125-1

President: P. S. Kier, #2243 Oliver Bldg., Pgh.

Secretary: F. S. Donahoe, #220 S. Michigan Ave., Chicago

MELLON INSTITUTE UNIVERSITY OF PITTSBURGH

1-year Fellowship dated May 1, 1917.

OBJECT: THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES EXCEPT GLASS-HOUSE REFRACTORIES
ON POTS & BLOCKS AND BAUXITE BRICK FOR GLASS-HOUSE PUR-

POSES: \$5,000 a year for 1 year

POSTS

No bonus; bonus of \$500 voluntarily paid to Mr. Howe

by the donor in 1918.

FELLOWS: Raymond M. Howe, M.S. (U. of Pgh.) SENIOR F.

1/1/1918 Robert Ferguson, M.S. (U.Pgh.) 3/1/1918-

REFRACTORIES

resigned for government
service, War.

OBJECT: THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES EXCEPT GLASS HOUSE REFRAC-
TORIES ON POTS & BLOCKS AND BAUXITE BRICK FOR GLASS-
HOUSE PURPOSES.

FELLOWS: Raymond M. Howe, M.S. (Pittsburgh) Senior

Bruner M. Burchfiel, A.B. (Southwestern) resigned

+ S. Phelps (undergraduate U. of Toronto) 7/1/19

Earle N. Jessop, B.S. (U. of Pgh.) resigned 9/1/

9/1/1919.. Mark Sheppard, B.S. (Alfred University)

11/1/1919 * Robert Ferguson, B.S. (U. of Pittsburgh)

*recently after service during War period; see for former

work card of fellowship no. 1 same donor

*Mr. Phelps made Fellow May 1, 1919, at beginning of this
fellowship

1174

There are two sums for this Fellowship (reg.) and \$6,000 for the A. Research Fund.

DATE BEGAN	NAME	UNIVERSITY	DATE ENDED
	S.M. Phelps, SENIOR FELLOW (no deg.)		
	E.S. Read, B.S. (Kenyon College) FELLOW		9-9-1944
	F. Kenyon Clarke, B.S. (Alfred U.) F		
	*Osgood J. Whittemore, Jr., M.S. (U. Wash.) ...		May 7, 1944
	*on A account, research		
	John P. Maloney (reg.) A; F. Tech I;		
	George W. Calderwood (no deg.) A; F. Tech I;		
8-22-44	Victor A. D'Ambrose, Laboratory Engineer		9-2-44
10-1-44	Eric W. Graebert (no deg.) laboratorian		
	Secretary: Miss Annabel Turner, B.S. (Car. I. Tech.)		
11-15-44	William R. Deitz, B.S. (Washburn Mun. U.) R. Assoc.		

DATE BEGAN	NAME	UNIVERSITY	DATE ENDED
	S.M. Phelps, SENIOR FELLOW (no deg.)		
	✓ F. Kenyon Clarke, B.S. (Alfred U.) FELLOW		1-31-46
	✓ John P. Maloney (reg.); F. Tech.		
	✓ George W. Calderwood (no deg.) F. Tech.		
	✓ Eric W. Graebert (no deg.) lab'ian;		
	✓ William R. Deitz, B.S. (Washburn Mun. U.) R. Assoc.		
	✓ Annabel Turner, B.S. (Car. I. T.) F. Secretary		
1-15-46	✓ Robert W. Limes, B. Cer. (Ohio St. U.) FELLOW		
	* (re-employment after military service)		

DATE BEGAN	NAME	UNIVERSITY	DATE ENDED
	S. M. Phelps, SENIOR FELLOW (-)		
	John P. Maloney (reg.); F. Tech.		
	George W. Calderwood (-) F. Tech.		
	Eric W. Graebert (-); laboratorian		
	William R. Deitz, B.S. (Washburn Mun. U.) R. Assoc.		4-30-1947
	Annabel Turner, B.S. (Car. I. T.) F. Secretary		
	* Robert W. Limes, B. Cer. (Ohio St. U.) FELLOW		
	* (re-employment after military service)		
6-1-46	George J. Morris, B.S. (Pa. St. C.) R. Assoc.		1-31-47
2-1-47	Paul LeRoy Smith (-) ANALYST		

1197

FOLLOW-UP American Refractories Institute 125-31
 ADDRESS Railway Exchange Bldg., St. Louis, Mo. 1946
 also: c/o Harbison-Walker Refract. Co. Farmer's Bank
 Bldg., Pittsburgh, Pa.
 OFFICERS W.E. Coullie, Chmn. M.I. Com. (Pgh. off.) (H-W Co.)
 W.J. Westphalen, President (St. Louis off.)
 \$15,000 a year + \$6,000 monthly pyts & bills
 OBJECT THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLAS-
 SES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES
 ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASS
 HOUSE PURPOSES;
 * FELLOW *S. M. Phelps, SENIOR FELLOW
 FUNDING NAME "REFRACTORIES" ADVISOR Dr. Tillotson
 *(this \$6,000 for research work only)

FOLLOW-UP American Refractories Institute I. F. 125-32
 ADDRESS Railway Exchange Bldg., St. Louis, Mo. 2013
 W. J. Westphalen, President (St. Louis); & billed
 * W.E. Coullie, Chmn. M.I. Com., 1208 Park Bldg., Pgh., Pa.
 OFFICERS *(his phone: ATLANTIC 3132)
 DATE BEGAN May 1, 1948 DATE ENDED
 FUND \$15,000 year + \$6,000** monthly pyts & bills
 OBJECT THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLAS-
 SES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES
 ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASS
 HOUSE PURPOSES;
 * FELLOW *S. M. Phelps, SENIOR FELLOW
 FUNDING NAME "REFRACTORIES" ADVISOR Dr. Tillotson
 *(this \$6,000 for research work only)

FOLLOW-UP American Refractories Institute I. F. 125-33
 ADDRESS Railway Exchange Bldg., St. Louis, Mo. 2080
 W.J. Westphalen, President (St. Louis); & billed
 OFFICERS W.E. Coullie, Chmn. M.I. Com. 1208 Park Bldg., Pgh., Pa.
 DATE BEGAN May 1, 1949 DATE ENDED
 FUND \$15,000 year + \$6,000** monthly pyts & bills
 OBJECT THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLAS-
 SES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES
 ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASS
 HOUSE PURPOSES;
 * FELLOW *S.M. Phelps, SENIOR FELLOW
 FUNDING NAME "REFRACTORIES" ADVISOR Dr. Tillotson
 *(this \$6,000 for research work only)

125-31 - serial 1014

✓ S. M. Phelps, SENIOR FELLOW (no deg.)
 ✓ John P. Maloney; F. Tech.
 ✓ George W. Calderwood (-) F. Tech.
 ✓ Eric W. Graebert (-) Lecturer; p-t. asst.
 ✓ Annabel Turner, B.S. (Car. I.T.) F. Secretary
 ✓ Robert W. Limes, B. Cer. (Ohio St. U.) FELLOW
 ✓ Paul LeRoy Smith (-) ANALYST

FELLOWSHIP RECORDS - HOLLAND INSTITUTE

Form 71

125-32 - serial 2013

FELLOWS — ASSISTANTS — ADMINISTRATIVE STAFF

DATE BEGAN — NAME — BIRTH — UNIVERSITY — DATE ENDED

✓ S. M. Phelps, SENIOR FELLOW (no deg.)
 ✓ John P. Maloney; F. Tech.
 ✓ George W. Calderwood (-) F. Tech.
 — Eric W. Graebert, B.S. (Pitt.) Asst. p-t. 2-25-1949
 Annabel Turner, B.S. (Car. I.T.) F. Secretary
 ✓ Robert W. Limes, B. Cer. (Ohio St. U.) FELLOW
 ✓ Paul LeRoy Smith (-) ANALYST
 1-25-49.. John Longwell, laboratorian

FELLOWSHIP RECORDS - HOLLAND INSTITUTE

Form 71

125-33 - serial 2080

FELLOWS — ASSISTANTS — ADMINISTRATIVE STAFF

DATE BEGAN — NAME — BIRTH — UNIVERSITY — DATE ENDED

✓ S. M. Phelps, SENIOR FELLOW (no deg.)
 ✓ John P. Maloney; F. Tech.
 — George W. Calderwood (-) F. Tech.
 o Annabel Turner, B.S. (C. I. T.) F. Secretary
 ✓ Robert W. Limes, B. Cer. (Ohio St. U.) FELLOW
 ✓ Paul LeRoy Smith (-) ANALYST
 — John Longwell, laboratorian
 6-1-49... Leon H. Baumer, B.S. (Alfred U.) R. Asst.
 (transfer from 212)

FELLOWSHIP RECORDS - HOLLAND INSTITUTE

Form 71

1199

American Refractories Institute I. F. 125-35
101 Ferry Street, St. Louis 7, Mo.
Officers: J. L. Crawford, Chairman, 101 Ferry Street, St. Louis 7, Mo.

Officers:
Date began: May 1, 1950
Sum: \$15,000 year + balance + monthly pyts & bills
Object: THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
* Fellow: *S. M. Phelps, SENIOR FELLOW
Published name: "REFRACTORIES" Advised: Dr. Tillotson
* this balance was about \$11,000 in research fund.

** THE REFRACTORIES INSTITUTE I. F. 125-35
Fellowship: 3134
Address: **as of July 1, 1951: was formerly called
Officers: American Refractories Institute I. F. 125-35
..... HEADQUARTERS: 1801 1st Nat. Bank Bldg. Pch. 22, Fa.
Date began: May 1, 1951; Assignment: 7-1-51 ended RENEWED 4-1-1952
Sum: \$15,000 year + \$15,000 resound monthly invoices
Object: THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
* Fellow: *S. M. Phelps, Senior Fellow
Published name: "REFRACTORIES" Advised: Dr. Tillotson
note: this Agreement began on May 1, 1951, in name of Amer. Refractories Inst; on July 1, 1951, assigned to The Refractories Institute
* Continued on back of card OVER

The Refractories Institute I. F. 125-36
Fellowship: 3202
Address: headquarters: 1801 1st Nat. Bank Bldg. Pch. 22, Fa.
Officers: Secretary: Mr. Avery C. Newton
J. L. Crawford, President, in St. Louis, Mo. (c/o Walsh Refractories Corp. 101 Ferry Street)
Date began: April 1, 1952
Sum: \$15,000 year + \$15,000 resound monthly invoices
Object: THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
* Fellow: *S. M. Phelps, Senior Fellow
Published name: "REFRACTORIES" Advised: Dr. Tillotson
note: this formerly was a May 1st date but beginning in 1952 date was changed to April 1 to coincide with Donor's fiscal year.
* Continued on back of card OVER

1200

PERSONNEL RECORD

FELLOWS - ASSISTANTS - SECRETARIAL STAFF				
DATE BEGAN	NAME	DEGREE	UNIVERSITY	DATE ENDED
	S. M. Phelps, SENIOR FELLOW (no deg.)			
	John P. Maloney, F.Tech.			
	George W. Calderwood - F.Tech.			
	Annabel Turner, B.S.(C.I.T.)	F. Secretary		
	Robert W. Limes, B.C. r. (Ohio St.U.)	FELLOW		
	Paul LeRoy Smith - ANALYST			
	John Longwell, laboratorian			4-30-50
	Leon H. Baumer, E.S. (Alfred U.)	R. Asst.		
1-15-51	Elen L. Sanner, temp. F. Secretary			3-21-1951
3-23-51	Amy Carolyn Roden, temp. Secretary			3-28-51
	(continued on RR-21, S. CIT, as June 1951)			

Personnel: Fellowship 12-35 - serial 3134

Fellows - Assistants - Secretarial Staff				
Date began	Name	Degree	University	Date ended
	S. M. Phelps, SENIOR FELLOW			
	Robert W. Limes, B.Cer. (Ohio St.U.)	FELLOW		
	Leon H. Baumer, B.S. (Alfred U.)	JUNIOR FELLOW		
	John P. Maloney, F. Technician			
	George W. Calderwood - F. Technician			
	Paul LeRoy Smith, ANALYST			
	Annabel Turner, E.S. (C.I.T.)	F. SECRETARY		

Fellowship Record - Mellon Institute

Form 71

Personnel: Fellowship 12-36 - serial 3202

Fellows - Assistants - Secretarial Staff				
Date began	Name	Degree	University	Date ended
	S. M. Phelps, SENIOR FELLOW			
	Robert W. Limes, B.Cer. (Ohio St.U.)	FELLOW		
	Leon H. Baumer, B.S. (Alfred U.)	JUN. FELLOW		
	John P. Maloney, F. Technician			
	George W. Calderwood - F. Technician			
	Paul LeRoy Smith, ANALYST			
	Annabel Turner, B.S. (C.I.T.)	SECRETARY..		
1-26-53	Constance Sullivan Morgan, Mrs.	temporary part-time secretary		2-28-53

Fellowship Record - Mellon Institute

Form 71

1201

Secretary: Mr. Avery C. Newton
Officers: J. L. Crawford, President, in St. Louis, Mo.
(c/o Walsh Refractories Corp. 101 Ferry Street)

Date begun April 1, 1953 Date ended
Sum \$15,000 + \$15,000 research fund; monthly invoices
Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE RE-
FRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK
FOR GLASSHOUSE PURPOSES;

* Fellow *S. M. Phelps, Senior Fellow

Published name "REFRACTORIES"

Adviser: Dr. Tillotson

* Continued on back of card

Fellowship The Refractories Institute I. F. 125-38
Address headquarters: First National Bank Bldg, Rm. 3332
Secretary: Mr. Avery C. Newton, Ex. Sec. above add.
Officers President: F. E. Atwood, Pittsburgh hqtrs. above

Date begun April 1, 1954 Date ended
Sum \$15,000 (no addnl. res. fund); monthly invoices
Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE RE-
FRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK
FOR GLASSHOUSE PURPOSES;

* Fellow *S. M. Phelps, Senior Fellow

Published name "REFRACTORIES"

Adviser: Dr. Tillotson

* Continued on back of card

Fellowship The Refractories Institute I. F. 125-39
Address headquarters: First National Bank Bldg, Rm. 3398
Secretary: Mr. Avery C. Newton, Ex. Secretary
Officers President: F. E. Atwood, Pittsburgh hqtrs. above

Date begun April 1, 1955 Date ended
Sum \$15,000 (no addnl. res. fund); monthly invoices
Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE RE-
FRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK
FOR GLASSHOUSE PURPOSES;

* Fellow *S. M. Phelps, Senior Fellow

Published name "REFRACTORIES"

Adviser: Dr. Tillotson
'56=Dr. Anthony

* Continued on back of card

1202

Personnel: Fellowship 125-37--serial 3273

Fellows - Assistants - Secretarial Staff

Date began	Name	Degree	University	Date ended
	S. M. Phelps, SENIOR FELLOW			
	Robert W. Lines, B. Cer. (Ohio St. U.)	FELLOW		
	Leon N. Baumer, B.S. (Alfred U.)	JUN. FELLOW		
	John P. Maloney, F. Technician			
	George W. Calderwood, B.S. in Met. E. (Pitt)	Res. Asst.		
	Paul LeRoy Smith, ANALYST			
	Annabel Turner, B.S. (C.I.T.)	SECRETARY		

Fellowship Record - Mellon Institute

Form 71

Fellowship 125-38--3332

Fellows - Assistants - Secretarial Staff

Date began	Name	Degree	University	Date ended
	S. M. Phelps, SENIOR FELLOW			
	Robert W. Lines, B. Cer. (Ohio St. U.)	FELLOW		
	Leon N. Baumer, B.S. (Alfred U.)	JUN. F.		
	George W. Calderwood, B.S. in Met. E. (Pitt)	Research Assistant		12-31-1954
	John P. Maloney, F. Technician			
	Paul LeRoy Smith, ANALYST			
	Annabel Turner, B.S. (C.I.T.)	SECRETARY		
9-1-1954	Frank H. McRitchie, B.E. (U. Saskatchewan)	FELLOW		
12-20-54	Shreve C. Sweeney, Laboratorian			

Fellowship Record - Mellon Institute

Form 71

Fellowship 125-39--serial 3398

S. M. Phelps, SENIOR FELLOW

Date began	Name	Degree	University	Date ended
	Robert W. Lines, B. Cer. (Ohio St. U.)	FELLOW		
	Frank H. McRitchie, B.E. (U. Saskatchewan)	FELLOW		
	Leon N. Baumer, B.S. (Alfred U.)	FELLOW		
	John P. Maloney, F. Technician			
	Shreve C. Sweeney, Laboratorian			
	Paul LeRoy Smith, ANALYST			
	Miss Annabel Turner, B.S. (C.I.T.)	SECRETARY		

Fellowship Record - Mellon Institute

Form 71

1203

Fellowship The Refractories Institute, P. 125-40 & *40A 4059
 Address Headquarters: First Nat'l Bank Bldg. Serial No.
Pittsburgh 22, Pa.
 Name Mr. ARTHUR C. NEWTON, Exec. Secretary (above address)
1111 11th St., Springfield, Ill. 62761
 Date began April 1, 1956 Date ended
 Sum *\$15,000.00 Payable monthly invoices
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES:
 *Fellow S. M. Phelps, SENIOR FELLOW
 Published name "REFRACTORIES" Advisor Dr. Anthony
 * Letter from Mr. Newton, dated 5-25-56, established
125-40A Account for \$1800.00 a month but this is not
 * Continued on back of card included in the contract sum for 125-40

Fellowship 125-40 - Serial 4059

Fellows - Assistants - Secretarial Staff				
Date began	Name	Degree	University	Date ended
	S.M. Phelps, SENIOR FELLOW			
	Robert W. Lima	B. Cer.	(Ohio St. U)	FELLOW 9-30-56
	Frank H. McHitchie	B. E.	(U. Saskatchewan)	FELLOW
	Leon N. Baumer	B. S.	(Alfred U.)	FELLOW
	John P. Maloney	F.	Technician	
	Shreve C. Sweeney		Laboratorian	
	Paul LeRoy Smith		ANALYST	
	Miss Annabel Turner	B. S.	(CIT)	SECRETARY

Fellowship Record - Mellon Institute

Form 71

1204

The Refractories Institute, Inc. 1957
 1110 National Bank Bldg., Pittsburgh, Pa.
 Mr. Avery C. Newton, Exec. Secretary (above address)
 Officers ~~Mr. W. S. Lowe, Pres. of Refractories (address: Pres. of~~
~~A. P. Green, First Nat. Bldg., Mexico, Missouri)~~
 SEE ADDRESS CARD
 Date began April 1, 1957 Date ended
 Sum \$15,000.00 a year Payable monthly
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
 CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE RE-
 FRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK
 FOR GLASSHOUSE PURPOSES;
 *Fellow S.M. Phelps, SENIOR FELLOW
 Published name "REFRACTORIES" Address Dr. Anthony
 Note: Letter from Mr. Newton, 5-25-56, for "A" Acct. for \$1800.
 a no. continued as no termination date was stated; this is
 not included in contract sum.

Fellows - Associates - Secretarial Staff

Date began	Name	Degree	University	Date ended
	✓S.M. Phelps, SENIOR FELLOW			
	✓Frank H. McRitchie, B.E. (U. Saskatchewan) FELLOW			
	✓Leon K. Baumer, B.S. (Alfred U) FELLOW			
	✓John P. Maloney, F. Technician			
	✓Shreve C. Sweeney, Laboratorian			
	✓Paul LeRoy Smith, ANALYST			
	Miss Annabel Turner, B.S. (CIT) SECRETARY			

Fellowship Record - Mellon Institute

Form 71

Fellow Refractories Institute, F.No. 125

9-57

Mr. Avery C. Newton, Exec. Secretary
 The Refractories Institute
 First National Bank Building
 Pittsburgh 22, Pa.

Mr. J. E. Brinckerhoff, President
 c/o Babcock & Wilcox Company
 161 East 42nd Street
 New York 17, New York.

1205

Address 1st National Bank Bldg., Pgs. 22, 2e. Serial No.

Officers See Attached Address Card

Date began April 1, 1956 Date ended

Objectives The investigation of physical material of all classes of refractories, except glasshouse refractories on pots and blocks and bauxite brick for glasshouse purposes.

* Fellow S. M. Phelps, SENIOR FELLOW

Published name "REFRACTORIES" Adviser Dr. Anthony

Note: Letter from Mr. Newton, 5-25-56, for "A" Acct. for \$1800. a mo. continued as no termination date was stated; this is not included in Contract Sum.

* Continued on back of card

Fellows - Assistants - Secretarial Staff

Date began	Name	Degree	University	Date ended
	S.M. Phelps, SENIOR FELLOW			
	Frank H. McRitchie, B.E. (U. Saskatchewan) FELLOW			
	Leon R. Baumer, B.S. (Alfred U) FELLOW			
	John P. Maloney (-) M. Technician			
	Shreve C. Sweeney, (-) Technician			
	Paul LeRoy Smith, (-) Analyst			
	Miss Annabel Turner, B.S. (CIT) SECRETARY			

Fellowship Record - Mellon Institute

Form 71

The Refractories Institute, F. No. 126 ADDRESS CARD
1958

Mr. Avery C. Newton, Exec. Secretary
The Refractories Institute
First National Bank Building
Pittsburgh 22, Pa.

Mr. J. E. Brinckerhoff, President
c/o Esabcock & Wilcox Company
161 East 42nd Street
New York 17, N. Y.

1206

Fellowship Refractories Institute, The. F.No. 125-43 4206
 Address 1st National Bank Bldg., Pittsburg, Pa.

Date begun April 1, 1959 Date ended
 Sum \$15,000.00 a year Payable monthly
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;

*Fellow S. M. Phelps, SENIOR FELLOW

Published name "REFRACTORIES"

Advisor Dr. Anthony

Note: Letter from Mr. Newton, 5-25-56, for "A" Acct. for \$1800 a mo. continued as no termination date stated; this is not included in the Contract Sum.

*Continued on back of card

Fellows - Associates - Secretarial Staff

Date begun	Name	Degree	University	Date ended
	S.M. Phelps, SENIOR FELLOW			
1258	Frank H. McRitchie, B.E. (U. Saskatchewan) FELLOW			
	Leon N. Baumer, B.S. (Alfred U) FELLOW			
	John P. Maloney (-) Technician			
	Shreve C. Sweeney (-) Technician			
126C	Paul LeRoy Smith (-) Analyst			
	Miss Annabel Turner, B.S. (CIT) SECRETARY			

Fellowship Record - Mellon Institute

Form 71

The Refractories Institute, F. No. 125-43

ADDRESS
CARD

Mr. Avery C. Newton, Exec. Secretary
 The Refractories Institute
 First National Bank Building
 Pittsburgh 22, Pa.

Mr. J. E. Brinckerhoff, President
 c/o Babcock & Wilcox Company
 161 East 42nd Street
 New York 17, New York.

1207

Fellowship Refractories Institute, The, F.No. 125-44
 Address 1st National Bank Bldg., Pgh. 22, Pa. 4226

Date begun April 1, 1960 Date ended
 Sum \$15,000.00 Payable monthly
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL
 CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE RE-
 FRATORIES ON POTS AND BLOCKS AND BAUXITE BRICK
 FOR GLASSHOUSE PURPOSES;
 Fellow S. M. Phelps, SENIOR FELLOW
 Published name "REFRACTORIES" Address Dr. Anthony
 Note: Letter from Mr. Newton, 5-25-56, for "A" Acct. for
 \$18,000 a mo. continued as no termination date was
 stated; this amt included in Foundation Sum.
 * Continued on back of card

Fellows - Assistants - Secretarial Staff

Date begun	Name	Degree	University	Date ended
	S.M. Phelps, SENIOR FELLOW			
	Frank H. McRitchie, B.E. (U.Saskatchewan) FELLOW			
	Leon N. Baumer, B.S. (Alfred) FELLOW			
	John P. Maloney (-) Technician			
	Shreve C. Sweeney, (-) Technician			
	Paul LeRoy Smith (-) Analyst			
	Annabel Turner, B.S. (CIT) SECRETARY			

Fellowship Record - Mellon Institute

Form 71

The Refractories Institute, F. No. 125-44

ADDRESS
CARD

Mr. Avery C. Newton, Exec. Secretary
 The Refractories Institute
 First National Bank Building
 Pittsburgh 22, Pa.

Mr. J. E. Brinckerhoff, President
 c/o Babcock & Wilcox Company
 161 East 42nd Street
 New York 17, New York.

1208

Fellowship Refractories Institute, The, F.No.125-45 4282
 Address 1st National Bank Bldg., Pgh. 22, Pa. Serial No.
 Officers See Attach Address Card for Officials

Date began April 1, 1961 Date ended
 Amount \$15,000.00 Payable monthly
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON FOIS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
 *Fellow S. M. Phelps, SENIOR FELLOW Adviser Dr. Anthony
 Published name "REFRACTORIES"
 Note: Letter from Mr. Newton, 5-25-56, for "A" Acct. for \$1,800; a no. continued as no termination date was stated; this is not included in Foundation Sum.
 * Continued on back of card

Fellows - Associates - Secretarial Staff

Date began	Name	Degree	University	Date ended
	✓ S.M. Phelps, SENIOR FELLOW			
(12SR)	✓ Frank H. McRitchie, B.S. (U. Saskatchewan) FELLOW			
	✓ Leon N. Baumer, B.S. (Alfred) FELLOW			
5/1/61	✓ John P. Maloney (-) Technician			
5/1/61	✓ Shreve C. Sweeney (-) Technician			
(12SC)	✓ Paul LeRoy Smith (-) Assistant Asst. p-t			

Annabel Turner, B.S. (CIT) F. SECRETARY
 Fellowship Awarded - Refractories Institute

Form 71

The Refractories Institute, F.No. 125-45

ADDRESS
CARD

Mr. Avery C. Newton, Exec. Secretary
 The Refractories Institute
 First National Bank Building
 Pittsburgh 22, Pa.

Mr. J. E. Brinckerhoff, President
 c/o Babcock & Wilcox Company
 161 East 42nd Street
 New York 17, New York.

As of Jan. 1961 new President

Mr. J. B. Arthur (is Chairman of Mexico Ref. Co)
 c/o Mexico Refractories Co.
 Mexico, Missouri.

1209

Fellowship Refractories Institute, The. F.No. 125-46
 Address First Nat'l Bank Bldg., Pgh. 22, Pa. Serial No.

Date begun April 1, 1962 Date ended
 Sum \$15,000.00 Payable monthly
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLOCKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
 *Fellow S. M. Phelps, SENIOR FELLOW 6-1-62
 Published name "REFRACTORIES" Address Dr. Anthony
 Note: Letter from Mr. Newton, 5-25-56, for "126" for \$1,800 a mo. continued as no termination date was stated; this is not included in Foundation Sch.
 *Continued: 12-31-62

Fellows - Assistants - Secretarial Staff

Date begun	Name	Degree	University	Date ended
charge	S.M. Phelps, SENIOR FELLOW			12-31-62
(128)	Frank H. McRitchie, B.S. (U. Sankatch)			FELLOW
	Jeran N. Baumer, B.S. (Alfred)			FELLOW
	John P. Maloney (-)			Technician
	Shrove C. Sweeney (-)			Technician
(127)	Paul LeRoy Smith (-)			Asst. P-T

Annabel Turner, B.S. (CIT) F. Secretary

Fellowship Record - Mellon Institute

Form 71

The Refractories Institute, F. No. 125-46 ADDRESS CARD

Mr. Avery C. Newton, Executive Secretary
 The Refractories Institute
 First National Bank Building
 Pittsburgh 22, Pa.

Mr. R. W. Knauff, President
 c/o Chas. Taylor Sons Company
 P.O. Box 14058
 Cincinnati 14, Ohio

1210

Serial No.

* (continued on back of card)

Mr. R. W. Knauff, President
c/o Chas. Taylor Sons Company
P.O. Box 14058
Cincinnati, Ohio (14)

1211

Fellowship Refractories Institute, The, F.No. 4125-46
 Address 1st Nat'l Bank Bldg., Pgh-22, Pa. Serial No. _____
One. 21. 1965
 Officers SEE ATTACHED ADDRESS CARD FOR OFFICIALS
 Date began April 1, 1964 Date ended MARCH 31, 1965
 Amount \$15,000 Duration MONTHLY
 Object THE INVESTIGATION OF PROBLEMS RELATED TO ALL CLASSES OF REFRACTORIES, EXCEPT GLASSHOUSE REFRACTORIES ON POTS AND BLACKS AND BAUXITE BRICK FOR GLASSHOUSE PURPOSES;
 *Fellow Frank H. McRitchie, SENIOR FELLOW
 Published name "REFRACTORIES" Advisor Dr. Anthony

* Continued on back of card

(over)

Note: Work being continued under direction of Dr. Ralston Russell, Jr., Ceramic Engineering Dept. Ohio State Univ., Columbus, Ohio 43210 as of March 31, 1965. *Students - Secretarial Staff*

Date begun	Name	Degree	University	Date ended
	✓ Frank H. McRitchie, SENIOR FELLOW III-C			3-31-65
	✓ Leon N. Baumer, FELLOW			10-30-64
(SAF)	John P. Maloney, Technician			3-31-65
(SAF)	Shreve C. Sweeney, Technician			3-31-65
(SAF)	Paul LeRoy Smith, P-T Assistant			3-31-65
2-28-65	David F. McRitchie, VISITOR			3-26-65

Annabel Turner, F. Secretary 3-31-65tr
 Fellowship Record - Mellon Institute

SAF = Short Accept. Forms

Form 71

1212

*REFRATORIES INSTITUTE, THE *REFRATORIES*
(Name of Donor)

File number for all records re this work: ~~125~~ ~~125-48~~

125 : correspondence Div. II & III
(File Number) reports
agreements
etc.

SEE FOLLOWING CARDS FOR YEARLY FELLOWSHIPS OF DONOR

Work began: May 1. 1917

Work ended: MARCH 31, 1965

(any added comments: * Fishp. No. 1 called Refractories
Manufacturers Association; then July 1.1925 work under
American Refractories Institute; July 1.1951 under THE
REFRATORIES INST. INDEX TO YEARLY FELLOWSHIPS OF DONOR
as above

The Refractories Institute, F.No.4125-48

ADDRESS
CARD
1964

Mr. Avery C. Newton, Executive Secretary
The Refractories Institute
First National Bank Building
Pittsburgh, Pennsylvania, 15222

Mr. F. M. Cashin, President
Kaiser Refractories
300 Lakeside Drive
Oakland, California, 94612

1213