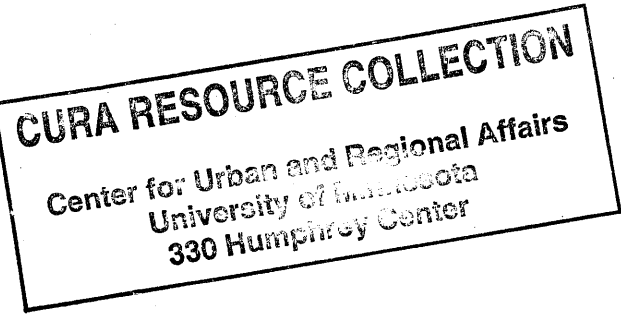


Center for Community & Regional Research

College of Liberal Arts

University of Minnesota, Duluth



*History of Italians and Italian-Americans on
Minnesota's Iron Range: Collections of the Iron
Range Research Center, Chisholm, Minnesota.*

Submitted July 2006 to the Center for
Community & Regional Research

Project Team:
Steve Harsin
Aimee Brown
Nick Sacco
Tyler Carlson

UMD Faculty Project Supervisor:
Eleanor Hannah

Contact Information:

Eleanor Hannah
Assistant Professor
Department of History
University of Minnesota Duluth
Duluth, MN 55812

(218) 726-7252

Steve Harsin
Iron Range Research Center
Highway 169 West
Chisholm, MN 55719-0392

(218) 254-7959

This research was supported through a grant from the Center for Community & Regional
Research at
the University of Minnesota Duluth.

***History of Italians and Italian-Americans on Minnesota's Iron Range:
Collections of the Iron Range Research Center, Chisholm, Minnesota***

Table of Contents

Final Report	1
<i>Guide to Sources on the History of Italian-Americans at the Iron Range Research Center</i>	8
Peter DelGreco Papers, Finding Aid	25

Final Report

Records Project:

History of Italians and Italian-Americans on Minnesota's Iron Range

Introduction

This report summarizes the purpose and results of the *Records Project: History of Italians and Italian-Americans on Minnesota's Iron Range*. This report provides a description of the Iron Range Research Center and its activities in preserving and sharing the history of Minnesota's Iron Range region, followed by a summary description of the records project. Attached to this report are the results of the grant project: a *Guide to Sources on the History of Italian-Americans at the Iron Range Research Center*, and the finding aid for the *Peter Del Greco Papers*, both developed by the project team.

The Iron Range Research Center

The Iron Range Research Center is a library and archival facility located at the Ironworld Discovery Center, Chisholm, Minnesota. Chisholm is located approximately eighty miles north of Duluth, and six miles east of Hibbing in the heart of the Mesabi Iron Range. Funded by the Iron Range Resources and Rehabilitation Board, a Minnesota State Agency, the Research Center is open to the public year round. The Research Center focuses on the regional, local and personal history of Minnesota's iron ranges and the people who settled here. An integral part of the Ironworld Discovery Center, the Research Center is a repository and resource for historical documentation and interpretative information. Primary interest areas are geology, mining, settlement, industrial development, immigration, ethnicity, logging, natural resources, social, political and economic history and genealogy.

An archival repository for the written, oral and visual records of the IRRRB

Taconite Tax Relief Area, the Research Center serves students, scholars, local historical societies, the media and genealogists. As a Minnesota Historical Society sanctioned government records repository, the IRRC also collects and services records from local and regional units of government. Records collected in the Iron Range Research Center are inventoried, organized and cataloged to make the records easily accessible to the public. This includes an in-house access system as well as making materials accessible through electronic networks such as their web site.

Primary source materials like those kept at the Research Center are the richest of resources when undertaking historical and genealogical research. Students, scholars, local historians and genealogists are some of the many people/groups who use the Iron Range Research Center in a variety of ways to enhance the study of Iron Range history and genealogical research.

The Iron Range Research Center does more than preserve historical and genealogical records making them available for research and educational purposes; it also educates people from outside the area about the importance of Iron Range and family history by increasing the visibility of the Center as a significant historical and genealogical resource and catalyst for historical and genealogical inquiry. The Iron Range Research Center provides research services via mail, email, fax and electronically through their website.

Italian-Americans on the Iron Range

Italians first migrated to the Mesabi Iron Range during the 1890s and early 1900s in large numbers, often coming to Minnesota after first working for a time in the Upper Peninsula of Michigan. These first Italian arrivals were generally skilled laborers hailing from Northern Italy, and had prior training in mining or stonework. Later waves of Italian migrants and immigrants drawn to the Iron Range in the 1910s and 1920s contained proportionally more individuals

originally from southern Italy, and these newer migrants were often much less skilled and had fewer resources when they arrived on the iron range.

Italian immigrants and their descendents have had a profound impact on the iron range as it exists today. Italian names, food traditions and folkways abound throughout northeastern Minnesota. Italian names are inscribed on the fronts of brick buildings and Italian families owned some of the most famous businesses in the region. Perhaps unsurprisingly, even today numerous successful Iron Range businessmen are of Italian ancestry.

Italian-Americans marked the civic life of the Range with their regular Columbus Day celebrations, their involvement in the development of Catholic parishes, and the creation of Italian-American clubs and organizations. Italian-Americans also left a clear mark on the physical environment of the Range, most visibly in the distinctive stonewalls still seen today across the Range - the product of highly skilled stonemasons from northern Italy.

Italians and Italian Americans also shaped the history and culture of the range with their unique twist to the popular response to Prohibition. Many Americans turned to both smuggling and home brewing during these years, with 'bathtub gin' and other grain alcohols seeing a dramatic increase in popularity and per capita consumption. With wine being integral to their ethnic and faith traditions, the Italian community of the iron range banded together in social organizations to find ways to purchase grapes so they could make their own wine for family and sacramental purposes, which was legal under the Volstead Act. Just such a group of Italian families sent Cesar Mondavi, who owned a saloon in Virginia, MN, to California to buy grapes for their wine. Eventually one Italian businessman rose in each community to become the distributor of the grapes Mondavi purchased, supplying each family's home winemaking needs.

The materials held in the collections of the Iron Range Research Center relating to these people provide a record of the activities and contributions of Italian-Americans to northern Minnesota's Iron Range, and to the United States.

Grant Project Overview – goals and accomplishments

In 2003, the Iron Range Research Center staff, supported by UMD faculty member Eleanor Hannah, applied for CCRR funding to undertake a project to identify materials held in its Archives that document the history of Italian and Italian American people on the Iron Range and make them more accessible to the public and to scholars and those interested in genealogy, in line with the IRRC mission. The goal of the project was to create a series of tools to assist users of the Iron Range Research Center by facilitating identification of materials relating to the activities of Italian-Americans on Minnesota's Iron Range. The tools, or finding guides, would include brief descriptions of collections, which include photographs, oral histories, records of organizations, objects, and the personal papers of families and individuals.

The project aimed to (1) produce a finding aid for each collection with information relevant to the study of Italian Americans on the Iron Range, and (2) produce a "Guide to Collections" for the Archives that contained material relevant to the history of Italian-Americans on the Iron Range.

A finding aid is a detailed description of the materials held in a specific archival collection. Creation of a finding aid is critical to establishing intellectual control over records and personal papers. Finding aids provide information on the content and nature of records and personal papers, information necessary to staff for purposes of identifying the materials and for assisting researchers in their use. A finding aid also helps researchers identify specific items from a collection that are of interest, thus limiting the amount of handling of materials that are not relevant to their research questions.

A "Guide to Collections" is similar to an annotated bibliography, that is, it is a descriptive listing of all the materials in the IRRC that might prove useful to a researcher working on a particular project, in this case, Italian-Americans on the Iron Range. The guide consists of listings of collections, summary notes of what is contained in them, a

brief history of the organization or person that created the records, and information on how to gain access to the materials contained in each collection. Typically, when a user finds a reference in the guide that they think will be useful, the guide will refer the user on to the finding aid for that collection for more detail. The guide will also include a bibliography of published materials held at the Research Center that relate to the activities of Italians and Italian-Americans on the Iron Range.

The project went forward in the following steps. The project team identified collections in the Iron Range Research Center Archives that contained materials relating to Italians and Italian-Americans. This phase was conducted with the guidance of the Research Center Archivist, Aimee Brown. Once this first survey was completed, the project team sought additional collections from organizations or individuals that hold records relating to Italians or Italian-American's on the Range. With CCRR support, one UMD student, Nick Sacco, was hired to complete the above goals in co-operation with the faculty supervisor Eleanor Hannah, assistant professor of United States History at UMD, and Aimee Brown, Archivist at the Iron Range Research Center. The project team also worked closely with Steve Harsin, Head Librarian of the Iron Range Research Center.

Aimee Brown and Nick Sacco worked most closely on the project. Once they identified the collections, they began to process the collections they had identified using archival methods and standards for preservation and identification, and to create a finding aid for each. This phase of the project included research to create personal or organizational biographies for the individual collections in order to place the records into context with the complete IRRC collection. Once these first steps were complete, the project team produced a *Guide to Sources on the History of Italian Americans at the Iron Range Research Center*, listing of all collections held by the IRRC with materials relevant to the history of Italian-Americans on the Iron Range.

Initially, in the winter of 2004, the work went very quickly. In the first phase of the project, UMD student Nick Sacco identified relevant materials concerning or touching on the history of Italians and Italian Americans held in the Archives, and performed processing of those collections according to archival methods under the direction of the Iron Range Research Center Archivist Aimee Brown. Nick Sacco created a draft finding aid for each collection, and the Aimee Brown ultimately produced the guide to collections for Italian-American history held at the facility. Nick Sacco also completed the draft of the finding aid for the largest single collection relating to Italian Americans on the iron range, the Peter DelGreco papers.

Difficulties emerged for Nick in managing a student schedule in Duluth with work in Chisholm, and progress on the project slowed once the Spring 2004 semester began. After Nick left the project, another student, Tyler Carlson, was hired to work on developing the IRRC's collection of oral histories by Italian Americans held in Chisholm, while Aimee Brown with the assistance of Scott Kuzma completed the revisions and prepared the final copies of the *Guide to Sources on the History of Italian Americans at the Iron Range Research Center*, and the finding aid for the DelGreco papers.

Project Accomplishments

The Iron Range Research Center serves more than five thousand individuals per year. All who use the facility are now able to use the *Guide to Sources on the History of Italian Americans at the Iron Range Research Center*, and the DelGreco Finding Aid to determine if the archive holds materials of interest to their research questions. Overall, the Iron Range Research Center is very pleased with the accomplishments of the project. The center as a whole and its users have benefited greatly from the work done under this grant. The enthusiasm for the project generated in the community became apparent as other collections, and, especially, individuals who volunteered to give oral histories came forward. The goal to make the history of this ethnic group more accessible to the public,

in line with the mission and purpose of the Iron Range Research Center and Ironworld Discovery Center has been successfully achieved.

Copies of *Guide to Sources on the History of Italian Americans at the Iron Range Research Center*, and the DelGreco Finding Aid follow.

Guide to Sources on the History of Italian-Americans at the Iron Range Research Center

This guide has been created to assist users of the Iron Range Research Center by facilitating identification of materials relating to the activities of Italian-Americans on Minnesota's Iron Range. The guide includes brief descriptions of collections which include photographs, oral histories, records of organizations, objects, and personal papers of families and individuals. For additional information on any of the collections listed, please contact the staff of the Iron Range Research Center.

Italian-Americans on the Iron Range

Italians comprise one of the largest groups of immigrants to the Iron Range. Large numbers of laborers from northern Italy migrated to the area during the 1890s and early 1900s, often coming to Minnesota after first working for a time in the Upper Peninsula of Michigan. These first arrivals were generally skilled laborers with training in mining or stonework. Later waves of workers drawn to the Iron Range contained proportionally more individuals from southern Italy.

Italian immigrants and their descendents have had a profound impact on the Iron Range. Italian names, food traditions and folkways extend throughout northeastern Minnesota. Italian names are inscribed on the fronts of brick buildings and some of the most famous businesses in the region were owned by Italian families. Perhaps unsurprisingly, even today numerous successful Iron Range businessmen are of Italian ancestry.

Italian-Americans marked the civic life of the Range with their regular Columbus Day celebrations, their involvement in the development of Catholic parishes, and Italian-American clubs and organizations, many of which operate yet today. Italian-Americans also left a clear mark on the physical environment of the Range, most visibly in

distinctive stone walls still seen today across the Range - the product of talented stone masons from northern Italy.

Italians and Italian Americans also shaped the history and culture of the range with their response to Prohibition. With wine being integral to their ethnic tradition, the Italian community banded together in social organizations to find ways to purchase grapes so they could make their own "home brew." Just such a group of Italian families sent Cesar Mondavi, who owned a saloon in Virginia, MN, to California to buy grapes for their wine. Eventually one Italian businessman rose in each community to become the distributor of the grapes Mondavi purchased, supplying each family's home wine-making needs.

Today a quick glance at the phone book reveals large numbers of Italian surnames persisting on the Iron Range. The materials held in the collections of the Iron Range Research Center relating to these people provide a record of the activities and contributions of Italian-Americans to northern Minnesota's Iron Range.

Photograph Collections

The photograph collections are listed alphabetically by the donor of the collection. The primary topics of the photographs are listed under description, although many other topics and images may be included. To request access to a collection, please note the name of the donor and accession number and contact the Photograph and Object Archivist at the Iron Range Research Center.

From the Photograph Collections:

Donor Name	Accession Number	Number of Images	Description
Bastianelli, Dan	1992.2631	680	Family, Eveleth Area, School, Sports
Bretto, Angelo	1995.3452	2	Hibbing Area
DeMillo, Lorraine	1993.2774	1	Fist Prize Winning Sons of Italy Float in Hibbing Parade, 1933
Elwell, Victor	1991.2095	2	Sartori Store and Delivery Vehicle
Fena, John	1994.3142	12	Petri and Vecchi Family
Fena, John	1994.3317	15	Family
Fena, Prena	1993.2884	3	Family
Indihar, Fred	1992.2655	4	Thomas LaZella Family
Loye, Elena Venture	1986.0647	5	Italian Dancers 1923, Naturalization Class, Hibbing Band 1926, Assumption Hall First Grade Class 1916
Marino, Joe	1992.2678	6	Family, House
Moscatelli, Art	1991.2048	1	Family
Pagliarini, Fred	1992.2609	8	Labor Protest Parade and Funeral for Miners

Photograph Collections, Continued

Donor Name	Accession Number	Number of Images	Description
Rosati, Mary	1991.2113 1991.2110	1	City Meat Market in Chisholm, Proprietor William "Beno" Rosati
Salvini, Angelo	1988.0163	2	Naturalization classes
Salvini, Norma and Zeke	1985.0575	57	Family, Chisholm area
Salvini, Norma	1989.1410	4	Chisholm Italian Men's Club
Taglienti, Carmela	1993.2923	2	Family
Tiburzi, Robert	1992.2495	5	Sunny Hills Distributing Company
Valentini, Frank	1993.2932	1	Wedding
Valentini, Frello	1992.2640	2	Wedding, Sports
Valentini, Frello	1992.2682	2	Family
Valentini, Frello	1992.2694	1	Family
Valentini, Frello	1993.2694	4	Family
Valentini, Frello	1993.2715	8	Family, Sports, World War II Era
Valentini, Frello	1994.3135	4	Family

Photograph Collections, Continued

Donor Name	Accession Number	Number of Images	Description
Valentini, Frello	1994.3376	2	Fishing at Lake Kabetogama
Valentini, Michael	1996.3683	45	Family
Valeri, "Nobby"	1991.2007	20	Family
Valeri, "Nobby"	1994.3087	95	Family, Hibbing Area
Valeri, "Nobby"	1994.3132	53	Hibbing Area, Shell Tire Service, Trucks, Cars
Valeri, "Nobby"	1994.3142	12	Family
Valeri, "Nobby"	1994.3303	1	Italian Women's Drill Team, 1939
Valeri, "Nobby"	1995.3563	2	Minnesota National Guard
Valeri, Nobby	1994.3362	3	Treasury Department Booth with Firearms, Still
Visovantti, Anna	1988.1223	10	Family

Oral Histories

The individuals giving interviews are listed alphabetically. If the interview was done as part of a specific project, the project name is included. Transcription status indicates the availability of a typed transcript or summary of the interview. To request access to an oral history, please note the name and accession number and speak to an Iron Range Research Center staff member. The Iron Range Research Center has equipment available on-site for researchers to use to listen to oral history interviews.

Oral Histories

Name	Project Name	Accession Number	Transcription Status
Abate, Orlando		1991.2174	Summary Available
Abbanat, John	Soudan	983.0084	Summary Available
Ahola, Helen	Italian American History Trentini Club	2005.0032	
Alampi, Matteo and Ammalia		1991.2176	Summary Available
Aluni, Sam	Soudan	1983.0124	Summary Available
Anderson, Antoinette	Italian American History	2005.0036	
Angelo, Helen and John	Life in a Mining Location	1983.0201	Transcript Available
Antonelli, Bruno	Italian American History	2005.0031	
Antonelli, Bruno		1993.3052	Summary Available
Aronson, Art and Mary		1991.2183	Summary Available
Baldi, Dewey		1991.2186.	Summary Available
Baldrice, James	Music of the Iron Range	1984.0378	Summary Available
Baldrice, Robert	Music of the Iron Range	1984.0377	Summary Available

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Baratto, Patsy		1991.2187	
Belluzo, Jim	Italian American History	2005.0027	
Bonicelli, Lucia		1991.2196	Summary Available
Brunetta, Virginia	Italian American History	2005.0138	
Brunetta, Lucia	Italian American History	2005.0138	
Buraglio, Raymond P.	Tomahawk Timber Company	1989.1352	Transcript Available
Carlson, Amy	Italian American History	2005.0051	
Chiaverini, Primo	Eveleth Centennial	1992.2427	Summary Available
Cianni, Minnie	Chisholm Community Life	1989.1453	Transcript Available
Colosimo, James	Life in a Mining Location	1984.0373	Summary Available
Cuppoletti, Aldo		1991.2208	Summary Available
Degubellis, Mary A.		1987.0806	Summary Available
Del Greco, Anthony	Italian American History	2005.0049	

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Di Gemone, Benny	Life in a Mining Location	1991.2218	Summary Available
Emmanuel, Victor		1984.0451	Summary Available
Enich, Dorothy	Italian American History Trentini Club	2005.0032	
Erspamer, Ernest	Italian American History Trentini Club	2004.0044	
Fontana, Lester		1993.3069	Transcript Available
Forti, Vincent		1990.1655	Summary Available
Forti, Virginia	Italian American History Sunrise Bakery, Hibbing, MN	2005.0033	
Franzinelli, Joe	Civilian Conservation Corps	1983.0105	Summary Available
Gardeski, Joyce (Fedrizzi)	Italian American History Trentini Club	2005.0029	
Gentilini, Segundo	Life in a Mining Location	1983.0158	Summary Available
Gentilini, Vince	Italian American History Trentini Club	2005.0043	

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Grillo, Barbara and William	Italian American History	2005.0037	
Grillo, William		1993.3070	Summary Available
Kavlie, Evelyn	Italian American History Trentini Club	2005.0039	
Lee, Amy (Grillo)	Italian American History	2005.0030	
Licari, Andrew	World War II	1988.1004	Summary Available
Lucarelli, Rocci	Music of the Iron Range	1984.0454	Summary Available
Marcaccini, Geno & Guido - Italian American History History of the Italian Bakery in Eveleth and Virginia, MN		2005.0035	
Marturano, Paul E.	Italian American History	2004.0028	
Montifeltro, Fred	Life in a Mining Location	1991.2308	Summary Available
Mordini, Ettore		1991.2311	Summary Available
Napierala, Joe		1994.3082	Summary Available
Nigro, Anthony		1990.1902	Transcript Available

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Ochis, Ben		1992.2508	
Pagliaccetti, John	Music of the Iron Range	1984.0455	Summary Available
Pagliaccetti, Mrs. R		1991.0455	Summary Available
Palazzari, Aldo	Eveleth Centennial	1991.2157	Transcript Available
Perell, Sylvia	Italian American History Trentini Club	2005.0042	
Perrella, Peter		1993.2768	Summary Available
Perry, Rita	Italian American History Trentini Club	2005.0039	
Petrosky, Dorothy	Italian American History	2005.0045	
Philippo, Deo	Life in a Mining Location	1984.0438	Summary Available
Piantoni, Ruth		2005.0034	
Ramela, Zolina Mary		1991.2345	Summary Available
Rauzi, Dominic	Italian American History Trentini Club	2005.0038	

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Renzaglia, Renaldo	Soudan	1983.1222	Summary Available
Richards, Barbara (Forti)	Italian American History Sunrise Bakery, Hibbing, MN	2005.0033	
Roman, Teresa		1991.2348	Summary Available
Sabatini, Arthur and Cecilia		1991.2387	Summary Available
Salmi, Wilbert	Franklin Location	1983.0201	Transcript Available
Samora, Ralph		1991.2360	Summary Available
Samargia, Joe		1987.0808	Summary Available
Scipioni, Bruno		1983.0193	Summary Available
Seppi, Mary and Loretta	Italian American History Trentini Club	2005.0046	
Serrano, Pasquale	Soudan	984.0263	Summary Available
Sogard, Mary (Forti)	Italian American History Sunrise Bakery, Hibbing, MN	2005.0033	

Oral Histories, Continued

Name	Project Name	Accession Number	Transcription Status
Springhetti, Robert and Christine	Italian American History Trentini Club	2005.0047	
Stefano, Peter		1991.2379	Summary Available
Taglienti, Carmela		1994.3093	Summary Available
Toldo, Lucy		1991.2386	Summary Available
Tomassoni, Guy		1991.2387	Summary Available
Valentini, Justina		1981-0008	Summary Available
Valeri, Z.A. "Nobby"		1991.2392	Transcript Available
Viora, Rosa		1991.2348	Summary Available
Zattoni, Rudy	Italian American History Trentini Club	2005.0038	
Vito, Ray "Czar"	Eveleth Centennial	1991.2170	Transcript Available

Manuscript and Object Collections

These collections are listed alphabetically by the title of the collection. For additional information on and access to any of the collections listed, please contact the Archivist. A finding aid is available for each collection which includes a complete listing of materials.

Brett R. Ewald Collection, 2005.0052

This collection includes pre-printed cloth labels addressed from G. Mariani in Hibbing, MN to Maria Becchetti in Umbria, Italy, a booklet published on the occasion of Dedication Sunday, October 12, 1952, at the Church of the Immaculate Conception in Hibbing, MN, a prayer card acknowledging the ordination of Father Luciano Bianchini (an Italian missionary priest in Eveleth and Hibbing) and a photocopy of police log kept by Guido Mariani.

Brunetta Family Collection, 2005.0053

This collection was donated by Virginia and Lucia Brunetta. Their parents Lucia (Buttazzi) and Antonio Brunetta immigrated to Virginia, MN from Pianzano in the province of Treviso. The collection includes lapel pins and a hat from the Societa' Operaia Italiana Di Mutuo Soccorso Roma in Virginia, Minnesota, a marriage certificate, alien registration cards, and materials related to Americanization classes.

Carmela Taglienti Collection, 1993.2927

This collection consists of a wedding dress worn by Carmela Delucka at her wedding to Mario Simmone on August 19, 1925 and a child's coat.

Chisholm Italian-American Club Records Collection, 2005.0026

This collection was donated by Gene Scaia. It consists of photocopies of the club's records from 1966 – 2000. The primary types of records included are membership lists, meeting minutes, and correspondence.

Peter Del Greco Papers Collection, 2005.0054

Peter Del Greco immigrated to the Iron Range from Gagliano Aterno, Italy when he was a small child. Mr. Del Greco was a General Foreman at U.S. Steel and is known internationally as an expert on rotary drilling and blasting. His papers include his writings, reports, and subject files related to the mining industry.

Thomas Patrick Valentini Thesis, 2005.0055

This collection consists of a Bachelor of Arts Thesis written by Thomas Patrick Valentini "I was There: One Soldier's Experience in China During World War II." The thesis is the story of his grandfather's, Fiorendo Francesco "Frank" Valentini, service during World War II in the China-Burma-India Theater. This thesis is available in the library of the Iron Range Research Center.

Tirolese Trentini Di Minnesota Records, 2003.0102

The original Trentini Club was started in 1913 by Italian Americans from the Italian province of Trento. At that time it was called the Societa di M.S. Tirolese de Chisholm. The original club disbanded in the late 1950s, but was resurrected in 1994 as the Tirolese Trentini Di Minnesota. This collection includes membership lists, meeting minutes, newsletters, dichiarazione, correspondence, and publications on Trento, Italy. Several oral history interviews of members of the Tirolese Trentini Di Minnesota are also held at the Iron Range Research Center.

IRON RANGE RESEARCH CENTER

Peter Del Greco Papers Collection (2005.0054)

1925 – 1983

4.5 linear feet

Processed by
Nick Sacco, Aimee Brown, and Scott Kuzma

Chisholm, MN
2005

PROVENANCE AND ACCESS

The Papers of Peter Del Greco were accessioned into the Iron Range Research Center archival collections in August, 1987. Processing of the Papers of Peter Del Greco was conducted under the Iron Range Research Center's Italian American Project in 2004.

Incorporated into this finding aid is the Peter Del Greco Photographic Collection (1984.0460) donated by Mrs. Ann C. Del Greco on August 7, 1987. Also of interest, as a supplement to the Del Greco Papers Collection, is the Peter Del Greco Oral History (1987.0946), an interview of Peter Del Greco conducted by Ed Nelson on June 11, 1984. The interview includes information on Del Greco's early life, education, work experience, inventions and designs, and mining industry consulting work conducted following his retirement.

Access to the materials in this collection is unrestricted, according to the regulations of the Iron Range Research Center. Permission to cite the records for quotations or for publication beyond "fair use" must be obtained from the Iron Range Research Center.

Please cite records using the following format, as listed below:

TITLE OF MATERIAL, DATE; BOX NUMBER; FOLDER NUMBER; Papers of Peter Del Greco, (2005.0054); Iron Range Research Center, Chisholm, MN."

BIOGRAPHICAL NOTE

Birth

Peter Del Greco was born July 21, 1909, in Gagliano Aterno, Italy. He immigrated to United States with his mother in February of 1911, to be reunited with his father residing in Kinney, Minnesota.

Mr. Del Greco attended grade school and high school in Buhl, MN. After graduation, he attended Hibbing Junior College where he studied mining and mechanical engineering. While in school he worked for M.A. Hanna and Butler Brothers Mining Company.

Del Greco was hired by Oliver Iron Mining Co. (OIM) on October 9, 1926. OIM ceased operation by the 1960's, but Del Greco's employment continued with Minnesota Taconite (Minntac), a part of United States Steel Corporation's Minnesota Ore Operations.

By 1951, Del Greco was promoted to the position of General Foreman of the Hartley Mine near Buhl, MN. Later, at Minntac, Del Greco was employed as Supervisor of Drilling & Blasting for Minntac's eastern division. He oversaw natural iron ore and taconite exploration and designed blasting patterns in conjunction with the Engineering Department. During his career, Del Greco conducted extensive research in mine drills, drill bits, and explosives. He authored several papers and reports on these subjects, and obtained the original patents for diamond drill bit designs that are still used in the mining industry today.

Del Greco's professional accomplishments in the mining industry and civic involvement are numerous, including:

- The *PDG Water Separator* (Patent #3-778-408) was named after Peter Del Greco.
- Del Greco helped to design the Gardner-Denver GD-120 Rotary Drill and the Bucyrus-Erie BE-60R Rotary Drill.

- He was an accomplished cordovox (accordion) player.
- Del Greco was a member of St. Joseph's Catholic Church in Chisholm.

In 1972 Del Greco, suffering from a mild form of emphysema, had a portion of his lung removed and then returned to work for the next two years. Del Greco retired from Minntac in 1974 after 48 years of service, and he resided in Chisholm, Minnesota. During his retirement Del Greco remained active in the mining industry by working as a consultant for US Steel, including a project in India. During his retirement, Del Greco also volunteered to become the coordinator of the Chisholm Museum of Mining from the spring of 1976 until his death.

Peter Del Greco died on July 28, 1984.

SCOPE AND CONTENT

The Papers of Peter Del Greco chronicle Del Greco's professional career in the iron mining industry, and includes materials reflecting his personal interest in the iron mining industry. The Papers of Peter Del Greco consist of 4.5 linear feet, with materials dating from 1925 to 1983. The collection includes correspondence, subject files, newspaper clippings, reports, photographs, objects, and artifacts.

The papers are arranged in the following series:

- Series 01: Articles
- Series 02: Booklets
- Series 03: Brochures
- Series 04: Correspondence
- Series 05: General
- Series 06: Maps
- Series 07: Mechanical Drawings
- Series 08: Newspaper Clippings
- Series 09: Objects
- Series 10: Papers
- Series 11: Photographs
- Series 12: Publications
- Series 13: Reports
- Series 14: Subject Files

SERIES DESCRIPTION

SERIES	DESCRIPTION	DATES
01. ARTICLES	Articles from assorted publications related to the iron mining industry, and specifically to iron and/or taconite drilling and drill bit technology	1959-1977
02. BOOKLETS	Booklets collected by Del Greco, related to mining industry, drills, drilling, and blasting, and Iron Range regional history	1925-1978
03. BROCHURES	Brochures of mining industry equipment and machinery manufactures, including: Bucyrus-Erie, Dow, Dresser, Gardner-Denver, Marion, and Timken	1959-1979
04. CORRESPONDENCE	Professional and personal correspondence to and from Del Greco, predominantly related to USS / Minntac iron and/or taconite mining operations	1944-1983
05. GENERAL	Personal materials related to Del Greco	1962-1972
06. MAPS	Maps of blasting areas	n.d.
07. MECHANICAL DRAWING	Mechanical drawings of mining equipment and machinery	1934-1973
08. NEWSPAPER CLIPPINGS	Newspaper clippings related to Del Greco's professional and personal life	1972-1981
09. OBJECTS	Objects and artifacts of Del Greco, predominantly tools associated with his job and employment	1951-1954
10. PAPERS	Papers related to iron and/or taconite mining equipment and USS / Minntac, including presentations and papers by Del Greco	1957-1979
11. PHOTOGRAPHS	Photographs of Del Greco at work, iron mining drills, drilling, and blasting equipment	1961-1971
12. PUBLICATIONS	Professional organizations publications	1957-1980
13. REPORTS	USS Project Reports, 1953 – 1974; Assorted reports related to the iron and/or taconite mining industry, drills, drilling equipment, and blasting	1940-1974
14. SUBJECT FILES	Materials related to drills, drilling, blasting and other specific areas of personal and professional interest collected by Del Greco, including the Kudremukh Project	1953-1979

BOX CONTENTS

BOX #	FOLDER #	SERIES 01: ARTICLES - FOLDER TITLE	DATES
2005.0054.MSS.00000001	2005.0054.00000001	Deep hole exploration drilling at Marcona, Peru, by Dr. John Jesse Hayes	n.d.
2005.0054.MSS.00000001	2005.0054.00000002	Effect of fluid environment on rock bit bearing performance, by G. R. King	1959
2005.0054.MSS.00000001	2005.0054.00000003	Field tests of conical Reamer blasthole bits in Taconite, by Robert L. Schmidt	1977/07/16
2005.0054.MSS.00000001	2005.0054.00000004	Granite tests new drill rig, by Robert C. Alfred	1961/03
2005.0054.MSS.00000001	2005.0054.00000005	New look at Jet-Piercing developments, by J. J. Calaman	1961/05
2005.0054.MSS.00000001	2005.0054.00000006	Observed pressure of blasting agents, by Alan Bauer	1961
2005.0054.MSS.00000001	2005.0054.00000007	Rock drillability related to a roller-cone bit, by R. I. Morris	1969/01/14-15
2005.0054.MSS.00000001	2005.0054.00000008	Rotary drilling	n.d.
2005.0054.MSS.00000001	2005.0054.00000009	Successful aluminum slurry blasts paved way for Dow's "explosive algebra," by Charles H. Grant	1964/08
2005.0054.MSS.00000001	2005.0054.00000010	The story of Erie Mining Company, by Walter L. Thomte	1963/05
2005.0054.MSS.00000001	2005.0054.00000011	Wet drilling eliminates dust	n.d.
		SERIES 02: BOOKLETS - FOLDER TITLE	
2005.0054.MSS.00000001	2005.0054.00000012	45th annual meeting and 33rd mining symposium, Minnesota section AIME and University of Minnesota	1972/01/17-19
2005.0054.MSS.00000001	2005.0054.00000013	Atlas family prologue: The first fifty years, 1912-1962	1962/10/18
2005.0054.MSS.00000001	2005.0054.00000014	Blasting vibration and air blast, by Paul H. Miller	n.d.
2005.0054.MSS.00000001	2005.0054.00000015	Buhl, Minnesota tourism	n.d.
2005.0054.MSS.00000001	2005.0054.00000016	Dedication-Banquet, Range Center for our special children, Chisholm, MN	1973/02/08
2005.0054.MSS.00000001	2005.0054.00000017	Delano Granite Works, Incorporated	n.d.
2005.0054.MSS.00000001	2005.0054.00000018	Duluth Missabe and Iron Range Railway company	n.d.
2005.0054.MSS.00000001	2005.0054.00000019	First Aid: A bureau of mines instruction manual	1953

2005.0054.MSS.00000001	2005.0054.00000020	Hibbing, Minnesota tourism	n.d.
2005.0054.MSS.00000001	2005.0054.00000021	History of development of strip mining machines, John A. Hollingsworth Jr.	n.d.
2005.0054.MSS.00000001	2005.0054.00000022	Hull-Rust mine: The man made Grand Canyon of the North, Hibbing Chamber of Commerce	n.d.
2005.0054.MSS.00000001	2005.0054.00000023	Linde jet piercing machine, type JPM-3 manual	n.d.
2005.0054.MSS.00000001	2005.0054.00000024	Monsanto blasting products ANFO manual	1969/05/08
2005.0054.MSS.00000001	2005.0054.00000025	Northern Minnesota tourism, the playground of a nation	1925
2005.0054.MSS.00000001	2005.0054.00000026	Oliver Iron Mining Division Blasting with modern techniques and the use of millisecond blasting	1963/01/01
2005.0054.MSS.00000001	2005.0054.00000027	Oliver Iron Mining Division, United States Steel Corporation	1958-1960
2005.0054.MSS.00000001	2005.0054.00000028	Procedure manual	1962/05/04
2005.0054.MSS.00000001	2005.0054.00000029	Production Department management appraisal program administrative manual, United States Steel Corporation	1971/01
2005.0054.MSS.00000001	2005.0054.00000030	Reed Tool Company – Blast hole drilling tech. handbook	1978/09
2005.0054.MSS.00000001	2005.0054.00000031	Security Engineering Rock bit technology	1966/07
2005.0054.MSS.00000001	2005.0054.00000032	United Steelworkers of America, The 1959 steel strike	n.d.
2005.0054.MSS.00000001	2005.0054.00000033	Your progress report: thirteenth annual report N.E. Minn. Development Assn.	1978/01/05
2005.0054.MSS.00000001	2005.0054.00000034	Your visit to reserve	1965/06
		SERIES 03: BROCHURES - FOLDER TITLE	
2005.0054.MSS.00000001	2005.0054.00000035	Bucyrus-Erie "Doublor" mining shovels	1968/09
2005.0054.MSS.00000001	2005.0054.00000036	Bucyrus-Erie 30-R series two	n.d.
2005.0054.MSS.00000001	2005.0054.00000037	Bucyrus-Erie excavators and drills	1968
2005.0054.MSS.00000001	2005.0054.00000038	Bucyrus-Erie quarry and mining machines: 150B, 190-B, 280-B	1965-1968
2005.0054.MSS.00000001	2005.0054.00000039	Bucyrus-Erie Rotary blast hole drills: 40-R, 45-R	1963-1967
2005.0054.MSS.00000001	2005.0054.00000040	Bucyrus-Erie rotary drills, bulletins and specifications	1966/01/06
2005.0054.MSS.00000001	2005.0054.00000041	Bucyrus-Erie series three standard crawler:71-B, 88-B	1966-1967

2005.0054.MSS.00000001	2005.0054.00000042	Bucyrus-Erie: Men who know mining... make more money with B-E	1966
2005.0054.MSS.00000001	2005.0054.00000043	Dow MS-80 metalized blasting agents	n.d.
2005.0054.MSS.00000001	2005.0054.00000044	Dow thermo primer metalized boosters	1968/10/03
2005.0054.MSS.00000001	2005.0054.00000045	Dresser H-Series bit – Tooth type	Circa 1963
2005.0054.MSS.00000001	2005.0054.00000046	Dresser Security air measuring & drill weighing guide	1979/09
2005.0054.MSS.00000001	2005.0054.00000047	Dresser Security super-aire blast hole bits	1978/06
2005.0054.MSS.00000001	2005.0054.00000048	Elliot Lake, Ontario, Canada	n.d.
2005.0054.MSS.00000001	2005.0054.00000049	G.W. Murphy Prime-Booster	n.d.
2005.0054.MSS.00000001	2005.0054.00000050	Gardner-Denver all weather rotary portable compressors	1959/11
2005.0054.MSS.00000001	2005.0054.00000051	Gardner-Denver ATD3000 swing boom Air- Trac	n.d.
2005.0054.MSS.00000001	2005.0054.00000052	Gardner-Denver company Model G4 bench type bit grinder	1959-1960
2005.0054.MSS.00000001	2005.0054.00000053	Gardner-Denver Model SP600-D portable compressor	1961
2005.0054.MSS.00000001	2005.0054.00000054	Gardner-Denver Rota-Screw portable air compressors	1961/02
2005.0054.MSS.00000001	2005.0054.00000055	Hercules Advantages of the Hercules bulk Slurrex system	1968
2005.0054.MSS.00000001	2005.0054.00000056	Hughes Increase profits with Hughes Impactor	1969
2005.0054.MSS.00000001	2005.0054.00000057	Hughes ram blast	1964/10
2005.0054.MSS.00000001	2005.0054.00000058	Johnson March Chem-jet dust suppression	1963
2005.0054.MSS.00000001	2005.0054.00000059	Marion 6360 shovel	1966
2005.0054.MSS.00000001	2005.0054.00000060	Marion fact kit 76	1976
2005.0054.MSS.00000001	2005.0054.00000061	Security rock bit	1961
2005.0054.MSS.00000001	2005.0054.00000062	Security rock bits and tools	n.d.
2005.0054.MSS.00000001	2005.0054.00000063	Tenth annual drilling and blasting symposium, Colorado School of Mines	1960/10/16-19
2005.0054.MSS.00000001	2005.0054.00000064	Timken removable rock bits	1959
2005.0054.MSS.00000001	2005.0054.00000065	Timkin removable rock bits	1959
2005.0054.MSS.00000001	2005.0054.00000066	Viking Explosives & Supply	n.d.
		SERIES 04: CORRESPONDENCE - FOLDER TITLE	
2005.0054.MSS.00000001	2005.0054.00000067	Correspondence: 1944	1944
2005.0054.MSS.00000001	2005.0054.00000068	Correspondence: 1953	1953
2005.0054.MSS.00000001	2005.0054.00000069	Correspondence: 1955	1955

2005.0054.MSS.00000001	2005.0054.00000070	Correspondence: 1956	1956
2005.0054.MSS.00000001	2005.0054.00000071	Correspondence: 1957	1957
2005.0054.MSS.00000001	2005.0054.00000072	Correspondence: 1958	1958
2005.0054.MSS.00000001	2005.0054.00000073	Correspondence: 1959	1959
2005.0054.MSS.00000001	2005.0054.00000074	Correspondence: 1960	1960
2005.0054.MSS.00000001	2005.0054.00000075	Correspondence: 1961	1961
2005.0054.MSS.00000001	2005.0054.00000076	Correspondence: 1962	1962
2005.0054.MSS.00000001	2005.0054.00000077	Correspondence: 1963	1963
2005.0054.MSS.00000001	2005.0054.00000078	Correspondence: 1964	1964
2005.0054.MSS.00000001	2005.0054.00000079	Correspondence: 1965	1965
2005.0054.MSS.00000001	2005.0054.00000080	Correspondence: 1966	1966
2005.0054.MSS.00000001	2005.0054.00000081	Correspondence: 1967	1967
2005.0054.MSS.00000001	2005.0054.00000082	Correspondence: 1969	1969
2005.0054.MSS.00000001	2005.0054.00000083	Correspondence: 1970	1970
2005.0054.MSS.00000001	2005.0054.00000084	Correspondence: 1971	1971
2005.0054.MSS.00000001	2005.0054.00000085	Correspondence: 1972	1972
2005.0054.MSS.00000001	2005.0054.00000086	Correspondence: 1973	1973
2005.0054.MSS.00000001	2005.0054.00000087	Correspondence: 1974	1974
2005.0054.MSS.00000001	2005.0054.00000088	Correspondence: 1977	1977
2005.0054.MSS.00000001	2005.0054.00000089	Correspondence: 1983	1983
2005.0054.MSS.00000001	2005.0054.00000090	Correspondence: n.d.	n.d.
		SERIES 05: GENERAL - FOLDER TITLE	
2005.0054.MSS.00000001	2005.0054.00000091	Peter DelGreco's Band	1972
2005.0054.MSS.00000001	2005.0054.00000092	Saint Joseph's Catholic Men's Club Membership, Chisholm, MN	1962
		SERIES 06: MAPS - FOLDER TITLE	
2005.0054.MSS.00000002	2005.0054.00000093	Blasting Map, Minntac. Blasts 7217, 7218, 7220	n.d.
		SERIES 07: MECHANICAL DRAWINGS - FOLDER TITLE	
2005.0054.MSS.00000002	2005.0054.00000094	Air swivel, #L-34484	1969/03/28
2005.0054.MSS.00000002	2005.0054.00000095	Blast hole ice reamer, #479	1958/03/20
2005.0054.MSS.00000002	2005.0054.00000096	Core-taker assemble, #B-538-J	1953/12/04
2005.0054.MSS.00000002	2005.0054.00000097	Dust control-water piping 800 gal tank / submersible pump, #819812	1969/02/01
2005.0054.MSS.00000002	2005.0054.00000098	Dust control-water piping 800 gal. tank submersible pump, #819812	1969/02/01
2005.0054.MSS.00000002	2005.0054.00000099	Field alteration to adopt air swivel with	1969/04/03

		6.250" I.D. – H.P. seal, #730392	
2005.0054.MSS.00000002	2005.0054.00000100	General arrangement & details of proposed dill hole sweeper, #1734-B	1973/04/04
2005.0054.MSS.00000002	2005.0054.00000101	Packing gland & bt for structure drill, #1901	1934/07/30
		SERIES 08: NEWSPAPER CLIPPINGS - FOLDER TITLE	
2005.0054.MSS.00000002	2005.0054.00000102	Clippings: 1908	1908?
2005.0054.MSS.00000002	2005.0054.00000103	Clippings: 1972	1972
2005.0054.MSS.00000002	2005.0054.00000104	Clippings: 1973	1973
2005.0054.MSS.00000002	2005.0054.00000105	Clippings: 1975	1975
2005.0054.MSS.00000002	2005.0054.00000106	Clippings: 1976	1976
2005.0054.MSS.00000002	2005.0054.00000107	Clippings: 1977	1977
2005.0054.MSS.00000002	2005.0054.00000108	Clippings: 1979	1979
2005.0054.MSS.00000002	2005.0054.00000109	Clippings: 1980	1980
2005.0054.MSS.00000002	2005.0054.00000110	Clippings: 1981	1981
2005.0054.MSS.00000002	2005.0054.00000111	Clippings: n.d.	n.d.
		SERIES 09: OBJECTS - FOLDER TITLE	
2005.0054.OBJ.00000001	2005.0054.00000112	Cigars: (1) House of Windsor, (1) El Producto Queens, (1) Dutch Masters	n.d.
2005.0054.OBJ.00000001	2005.0054.00000113	Day planner/calendar	1951
2005.0054.OBJ.00000001	2005.0054.00000114	Del Greco Density tool	n.d.
2005.0054.OBJ.00000001	2005.0054.00000115	Dow chemical circular concise Takeda slide rule	1952/05
2005.0054.OBJ.00000001	2005.0054.00000116	Dow, metal card	n.d.
2005.0054.OBJ.00000001	2005.0054.00000117	Notebooks	1952, 1954
2005.0054.OBJ.00000001	2005.0054.00000118	Postcard, Taconite plant	n.d.
2005.0054.OBJ.00000001	2005.0054.00000119	Sign, Peter Del Greco Title/Name, "Supervisor, Drilling & Blasting"	n.d.
2005.0054.OBJ.00000001	2005.0054.00000120	Smith Tool Company measuring device	n.d.
2005.0054.OBJ.00000001	2005.0054.00000121	Sun slide rule	n.d.
2005.0054.OBJ.00000001	2005.0054.00000122	Welder's cap	n.d.
		SERIES 10: PAPERS - FOLDER TITLE	
2005.0054.MSS.00000002	2005.0054.00000123	35th annual mining symposium	1974/01/17-18
2005.0054.MSS.00000002	2005.0054.00000124	60-R drill automation package	1969/06/30
2005.0054.MSS.00000002	2005.0054.00000125	A practical method for determining rock drillability by a tri-cone roller bit, by Richard I. Morris	n.d.
2005.0054.MSS.00000002	2005.0054.00000126	Air compressors, air measuring instruments,	n.d.

		efficiency of air compressors and their relationship to drilling equipment	
2005.0054.MSS.00000002	2005.0054.00000127	Angle drilling at the Pilotac mine	1961/05/17; 1961/09/19
2005.0054.MSS.00000002	2005.0054.00000128	Angle drilling versus vertical for blasting	1976/09/01
2005.0054.MSS.00000002	2005.0054.00000129	Bucyrus Erie 40-R-5 Rotary drill report	n.d.
2005.0054.MSS.00000002	2005.0054.00000130	Bucyrus-Erie Company's 60-R rotary drill series III, by Peter Del Greco	n.d.
2005.0054.MSS.00000002	2005.0054.00000131	Chapter eight: Americans are living off the rest of the world	n.d.
2005.0054.MSS.00000002	2005.0054.00000132	Comments on Mr. William Ribich's letter to Mr. M.V. Mielke of U.S.S.	1973/02/19
2005.0054.MSS.00000002	2005.0054.00000133	Comments on recommended blasting practices	1964/11/23
2005.0054.MSS.00000002	2005.0054.00000134	Comments on the Bucyrus-Erie rotary drill 50-R	Circa 1954
2005.0054.MSS.00000002	2005.0054.00000135	Comments to KIOCL on "Mr. Peter DelGreco's experience in mining and drill blast	1979/11/24
2005.0054.MSS.00000002	2005.0054.00000136	Comments to KIOCL on "Mr. Peter DelGreco's Experience in mining and drill blasts, by Ken Hoganson	1979/11/26
2005.0054.MSS.00000002	2005.0054.00000137	Current blasting practices, by R.J. Matyska	1972/09
2005.0054.MSS.00000002	2005.0054.00000138	Developments in ammonium nitrate blasting by the Iron Ore Company of Canada	1958/10/03
2005.0054.MSS.00000002	2005.0054.00000139	Drilling and blasting at Smallwood mine	n.d.
2005.0054.MSS.00000002	2005.0054.00000140	Drilling and blasting of taconite	1958/09/22-25
2005.0054.MSS.00000002	2005.0054.00000141	Drilling: Early history of the churn drill and subsequent methods of drilling	n.d.
2005.0054.MSS.00000002	2005.0054.00000142	Dust control in blast hole drilling: Paper on open pit drilling safety for the annual conference of the Lake Superior Mines Safety Council	1967/04/06
2005.0054.MSS.00000002	2005.0054.00000143	Early history of the churn drill and subsequent methods of drilling	1979/11
2005.0054.MSS.00000002	2005.0054.00000144	Effect of fluid environment on rock-bit bearing performance, by G.R. King	1959/10/11-13
2005.0054.MSS.00000002	2005.0054.00000145	Explosive developments by Iron Ore Company of Canada, by H.E. Farnam	1958/09/22-25
2005.0054.MSS.00000002	2005.0054.00000146	Fertilizer grade ammonium nitrate and fuel oil blasting Sauntry Mine	1965/10/06
2005.0054.MSS.00000002	2005.0054.00000147	Higher air pressure drilling with percussive	1963/02/24-28

		drills, by Robert Charles Alfred	
2005.0054.MSS.00000002	2005.0054.00000148	Ingersoil-Rand QM 2 Quarrymaster drill with DHD 500 conversion unit (Down the hole attachment)	n.d.
2005.0054.MSS.00000002	2005.0054.00000149	Joy super heavyweight champion model 60-BH: Rotary drill report	n.d.
2005.0054.MSS.00000002	2005.0054.00000150	Large diameter blast hole drilling and blasting, by John A. Lentz, Jr.	n.d.
2005.0054.MSS.00000002	2005.0054.00000151	Liberty quarry, speech given orally at Dallas, Texas	1963/02/26
2005.0054.MSS.00000002	2005.0054.00000152	Minnesota museum of mining, by Peter Del Greco [original manuscript]	Circa 1979-1980
2005.0054.MSS.00000002	2005.0054.00000153	Minntac mine – percentage drilling time and penetration rates	1965-1972
2005.0054.MSS.00000002	2005.0054.00000154	Minutes of meetings	1969/06/05
2005.0054.MSS.00000002	2005.0054.00000155	New developments in dust control on rotary and down the hole drills at the Pilotac mine	n.d.
2005.0054.MSS.00000002	2005.0054.00000156	Notes on the 'Down-the-hole-tool' and bits	n.d.
2005.0054.MSS.00000002	2005.0054.00000157	Oliver Iron Mining Division position with respect to construction of a major commercial taconite facility on the Mesabi Range	1961/02/07
2005.0054.MSS.00000002	2005.0054.00000158	Open pit drilling, by A. Bauer	1967/01/16-18
2005.0054.MSS.00000002	2005.0054.00000159	Open pit dwelling-factors influencing drilling rates, by Alan Bauer	1967/03
2005.0054.MSS.00000002	2005.0054.00000160	Operating instructions for sample collectors on percussion Trac-drills, by N.J. Hardt	1961/07/14
2005.0054.MSS.00000002	2005.0054.00000161	Optimum blasting	1967/01
2005.0054.MSS.00000002	2005.0054.00000162	Preliminary mine planning at the Minnamax project, by Robert E. Johnson	1978/01/12-13
2005.0054.MSS.00000002	2005.0054.00000163	Proposed winterized wet drilling installation for rotary or down-the-hole drills, by N.J. Hardt	1961/09/08
2005.0054.MSS.00000002	2005.0054.00000164	Rotary drilling at Pilotac mine with the Joy 60 BH drill	1962/05/14
2005.0054.MSS.00000002	2005.0054.00000165	Security rock bit school: Class "B"	1967
2005.0054.MSS.00000002	2005.0054.00000166	Shock coupling, loading density and the efficiency of explosives in commercial blasting, by Robert B. Clay	n.d.
2005.0054.MSS.00000002	2005.0054.00000167	Statement by Edgar B. Speer before the joint economic committee	1974/10/07
2005.0054.MSS.00000002	2005.0054.00000168	Summary of mud drilling techniques employed at the Hill Annex mine and	1959/10

		discussion of laboratory heavy-density testing of drill core	
2005.0054.MSS.00000002	2005.0054.00000169	Summary on drill automation package	1969/11/03
2005.0054.MSS.00000002	2005.0054.00000170	The growing up process, Peter Del Greco, Jr. – “English 4, Period 2”	n.d.
2005.0054.MSS.00000002	2005.0054.00000171	The psychology of the expatriate manager, by H.A. Adderly	1965/01/04
2005.0054.MSS.00000002	2005.0054.00000172	Theory and operation of sample collectors for rotary and percussion drills, by N.J. Hardt	1961/07/17
2005.0054.MSS.00000002	2005.0054.00000173	Thirteenth annual mining symposium	1969/02/15
2005.0054.MSS.00000002	2005.0054.00000174	United States Steel Corporation, prepared for the subcommittee on antitrust and monopoly of the Senate Committee on the Judiciary	1957/08
2005.0054.MSS.00000002	2005.0054.00000175	Virginia – Rainy Lake logging operations	n.d.
2005.0054.MSS.00000002	2005.0054.00000176	Water oil injection system drill #32: Quebec Carter Mining Company	1963/03/27
		SERIES 11: PHOTOGRAPHS - FOLDER TITLE	
2005.0054.PHO.00000001	2005.0054.00000177	Blast #254-22'x24' Hercules	n.d.
2005.0054.PHO.00000001	2005.0054.00000178	Blast photos	n.d.
2005.0054.PHO.00000001	2005.0054.00000179	Compressor and Motor Mount	1961/08
2005.0054.PHO.00000001	2005.0054.00000180	Drilling with water and oil injection	1961/08
2005.0054.PHO.00000001	2005.0054.00000181	Drilling without water and oil injection and other randoms	1961/08
2005.0054.PHO.00000001	2005.0054.00000182	First 15” rotary blasthole drilled on the Mesabi Range	1971/07/09
2005.0054.PHO.00000001	2005.0054.00000183	McFarland MC-24 water pump	1961/08
2005.0054.PHO.00000001	2005.0054.00000184	Mining	n.d.
2005.0054.PHO.00000001	2005.0054.00000185	Mining equipment	n.d.
2005.0054.PHO.00000001	2005.0054.00000186	Misc.	1961/08
2005.0054.PHO.00000001	2005.0054.00000187	Museum of mining	n.d.
2005.0054.PHO.00000001	2005.0054.00000188	Pilotac Mine (?)	n.d.
2005.0054.PHO.00000001	2005.0054.00000189	Pilotac mine, compressor and radiator	1961/08
2005.0054.PHO.00000001	2005.0054.00000190	Rock drill oil distributor	1961/08
		SERIES 12: PUBLICATIONS - FOLDER TITLE	
2005.0054.MSS.00000003	2005.0054.00000191	Drilling is our business worldwide, 1966	1966
2005.0054.MSS.00000003	2005.0054.00000192	Emphasis on blasting, 1980	1980
2005.0054.MSS.00000003	2005.0054.00000193	Excavating Engineer, 1962	1962

2005.0054.MSS.00000003	2005.0054.00000194	Mineral Industries, 1963	1963
2005.0054.MSS.00000003	2005.0054.00000195	Monsanto technical bulletin, 1957	1957
2005.0054.MSS.00000003	2005.0054.00000196	Reed Mining News, 1980	1980
2005.0054.MSS.00000003	2005.0054.00000197	Rock drill bulletin, 1968	1968
2005.0054.MSS.00000003	2005.0054.00000198	Special hazards bulletin, 1957	1957
2005.0054.MSS.00000003	2005.0054.00000199	The drilling line	1973
2005.0054.MSS.00000003	2005.0054.00000200	The Explosives Engineer, 1976	1976
		SERIES 13: REPORTS - FOLDER TITLE	
2005.0054.MSS.00000003	2005.0054.00000201	Project reports: 1953	1953
2005.0054.MSS.00000003	2005.0054.00000202	Project reports: 1955	1955
2005.0054.MSS.00000003	2005.0054.00000203	Project reports: 1956	1956
2005.0054.MSS.00000003	2005.0054.00000204	Project reports: 1957	1957
2005.0054.MSS.00000003	2005.0054.00000205	Project reports: 1958	1958
2005.0054.MSS.00000003	2005.0054.00000206	Project reports: 1959	1959
2005.0054.MSS.00000003	2005.0054.00000207	Project reports: 1960	1960
2005.0054.MSS.00000003	2005.0054.00000208	Project reports: 1961	1961
2005.0054.MSS.00000003	2005.0054.00000209	Project reports: 1962	1962
2005.0054.MSS.00000003	2005.0054.00000210	Project reports: 1964	1964
2005.0054.MSS.00000003	2005.0054.00000211	Project reports: 1965	1965
2005.0054.MSS.00000003	2005.0054.00000212	Project reports: 1966	1966
2005.0054.MSS.00000003	2005.0054.00000213	Project reports: 1967	1967
2005.0054.MSS.00000003	2005.0054.00000214	Project reports: 1968	1968
2005.0054.MSS.00000003	2005.0054.00000215	Project reports: 1969	1969
2005.0054.MSS.00000003	2005.0054.00000216	Project reports: 1970	1970
2005.0054.MSS.00000003	2005.0054.00000217	Project reports: 1971	1971
2005.0054.MSS.00000003	2005.0054.00000218	Project reports: 1974	1974
2005.0054.MSS.00000003	2005.0054.00000219	Project reports: n.d.	n.d.
2005.0054.MSS.00000003	2005.0054.00000220	Comments on the Bucyrus-Erie rotary drill 50-R	n.d.
2005.0054.MSS.00000003	2005.0054.00000221	New developments in dust controls on rotary and down the hole drills at the Pilotac Mine	n.d.
2005.0054.MSS.00000003	2005.0054.00000222	Progress report on Hughes rotary rock bit bearing research, George R. King	n.d.
2005.0054.MSS.00000003	2005.0054.00000223	Time required for the development of a 15 inch bit for blast hole application in taconite, by Byron Chitwood	
2005.0054.MSS.00000003	2005.0054.00000224	Mintac plant site granite drilling (1964-1965)	1964-1965
2005.0054.MSS.00000003	2005.0054.00000225	Mintac plant site granite drilling, 1964-1965	1964-1965
2005.0054.MSS.00000003	2005.0054.00000226	United States Steel Corporation, Increased blow air test - #20 rotary drill	1970/05/22

2005.0054.MSS.00000003	2005.0054.00000227	Gardner-Denver 120 Electric blast hole drill	1972/06/14
2005.0054.MSS.00000003	2005.0054.00000228	Where have we been, where are we and where are we going in drilling and blasting, by Melvin A. Cook	1965/05/14
2005.0054.MSS.00000003	2005.0054.00000229	Brief report on the Gardner-Denver 120 Electric blast hold drill	1972/05/14
2005.0054.MSS.00000003	2005.0054.00000230	Drilling and blasting Quebec Cartier Mining Company, 1963/03/22	1963/03/22
2005.0054.MSS.00000003	2005.0054.00000231	Security Engineering Department investigation report, job number 2229	1965/03/19
2005.0054.MSS.00000003	2005.0054.00000232	Report on the 1967 Spring session of the Security School of rock bit technology and application	1967/04/11
2005.0054.MSS.00000003	2005.0054.00000233	Results of uniaxial compressive strength tests from U.S. Steel , Minntac Mine, Mountain Iron, Minnesota	1971/01/29
2005.0054.MSS.00000003	2005.0054.00000234	Drill bit evaluation, 1966/12/02	1966/12/02
2005.0054.MSS.00000003	2005.0054.00000235	Experimental super chambering jet holes – second phase	1955/12
2005.0054.MSS.00000003	2005.0054.00000236	Some suggestions for control and forecasting of blast effects from open-pit mining.	1964/06
2005.0054.MSS.00000003	2005.0054.00000237	United States Steel Corporation, Noise level testing of Primacord	1970/06/01
2005.0054.MSS.00000003	2005.0054.00000238	Drilling and blasting – Pilotac Pit	1954/05-06
2005.0054.MSS.00000003	2005.0054.00000239	Geograph recorder data	1964/04
2005.0054.MSS.00000003	2005.0054.00000240	Mineral technology and output per man studies: Rock Drilling	1940/02
2005.0054.MSS.00000003	2005.0054.00000241	Blasting with ammonium nitrate	1958
2005.0054.MSS.00000003	2005.0054.00000242	Safety report 1958, United States Steel, Oliver Iron Mining Division	1958
2005.0054.MSS.00000003	2005.0054.00000243	An evaluation of rotary drilling variables in limestone & dolomite – 1969 test results - 1970	1970
2005.0054.MSS.00000003	2005.0054.00000244	Rotary bit test, United States Steel Corporation, Minntac Mine, 3-5” HIOMJ	1971
2005.0054.MSS.00000003	2005.0054.00000245	United States Steel Corporation development drilling department	1973
2005.0054.MSS.00000003	2005.0054.00000246	Detonation calculations with a Percus-Yevick equation of State	1974
2005.0054.MSS.00000003	2005.0054.00000247	Sensitivity of some ammonium nitrate-based explosive compositions	1974
2005.0054.MSS.00000003	2005.0054.00000248	United States Steel Corporation development	1974

		drilling department	
		SERIES 14: SUBJECT - FILES FOLDER TITLE	
2005.0054.MSS.00000004	2005.0054.00000249	Bit record	1962-1963
2005.0054.MSS.00000004	2005.0054.00000250	Bit testing (1972-1973)	1972-1973
2005.0054.MSS.00000004	2005.0054.00000251	Blasting and drilling techniques	1959-1970
2005.0054.MSS.00000004	2005.0054.00000252	Blasting films specifications	1968
2005.0054.MSS.00000004	2005.0054.00000253	Borehole size and diameter for drills	1970-1979
2005.0054.MSS.00000004	2005.0054.00000254	Curriculum vitae, Peter Del Greco	1979
2005.0054.MSS.00000004	2005.0054.00000255	Drilling statistics Pilotac Mine (1953-1962)	1953-1962
2005.0054.MSS.00000004	2005.0054.00000256	Eveleth Taconite Company – Allis-Chalmers Grate kiln system	n.d.
2005.0054.MSS.00000004	2005.0054.00000257	Explosives	1963-1973
2005.0054.MSS.00000004	2005.0054.00000258	Gardner-Denver model GD-120 drill set test	1971-1973
2005.0054.MSS.00000004	2005.0054.00000259	Geological time division of northeastern Minnesota	
2005.0054.MSS.00000004	2005.0054.00000260	Jet piercing	1976/02/19
2005.0054.MSS.00000004	2005.0054.00000261	Joy 60 BH Drill	1961-1967
2005.0054.MSS.00000004	2005.0054.00000262	Kudremukh Project	1974-1980
2005.0054.MSS.00000004	2005.0054.00000263	Kudremukh Project – “Research for project execution of Kudremukh iron ore facilities mining associate-engineer-constructor	n.d.
2005.0054.MSS.00000004	2005.0054.00000264	Kudremukh Project – letter of intent	1976/08/31
2005.0054.MSS.00000004	2005.0054.00000265	Lake Superior District price list	1969
2005.0054.MSS.00000004	2005.0054.00000266	Minntac Mine – Safety awareness chart: Parts of body injured – 1973	1973
2005.0054.MSS.00000004	2005.0054.00000267	Minntac project, 1968-1974	1968-1974
2005.0054.MSS.00000004	2005.0054.00000268	Mintac plant site drilling records (1964-1965)	1964-1965
2005.0054.MSS.00000004	2005.0054.00000269	PDG Water separator, patent #3-778-408	1973/11/21
2005.0054.MSS.00000004	2005.0054.00000270	Quebec trip, 1967/05/29-1967/06/05	1967/05/29- 1967/06/05
2005.0054.MSS.00000004	2005.0054.00000272	Rock bit test data forms	n.d.
2005.0054.MSS.00000004	2005.0054.00000273	Spindle and drill data	1967-1974
2005.0054.MSS.00000004	2005.0054.00000274	Stuttering	1964
2005.0054.MSS.00000004	2005.0054.00000275	Tyler standard screen scale	n.d.
2005.0054.MSS.00000004	2005.0054.00000276	Water and oil injection	1967