

M. T. ZAROCHEVTSYEV
A REGISTER OF HIS PAPERS
IN THE MUSEUM OF RUSSIAN CULTURE

PREPARED BY
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MUSEUM OF RUSSIAN CULTURE

SAN FRANCISCO

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M. T. ZAROCHEVTSSEV

BIOGRAPHICAL NOTE

1879 September 18	Born, Stavropol', Russia
1907	Graduated, Institut putei soobshcheniia, Moscow, Russia
1910	Graduated, Moskovskii kommercheskii institut, Moscow, Russia
1911	Author, <u>Kholodil'noe dielo</u>
1912	Author, <u>Ledniki</u>
1922-1927	General Manager, A/S "Külmetus"
1930	Author, <u>Between Two Oceans</u>
1932	Founder, American Z Corporation

SCOPE AND CONTENT NOTE

M. T. ZAROCHEMENTSEV PAPERS

Mikhail Trofimovich Zarochentsev (Zarotschenzeff) was a specialist in meat and fish refrigeration, a prolific inventor in the field and holder of a number of patents on methods of quick-freezing. The CAREER FILE contains information related to Zarochentsev's scientific work (notes, reports and calculations) and business activities, including his meat-packing operations: A/S "Külmetus" (Estonia), American Z Corporation, National Frosted Foods Sales Corp. and Z-Pack Corporation. It also includes articles, notes, patents, and promotional materials relating to the "Z" process of quick-freezing and related refrigeration issues.

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REGISTER

M. T. ZAROCHEMSEV PAPERS

SERIES DESCRIPTION:

<u>Box Nos</u>	<u>Series</u>
1	BIOGRAPHICAL FILE, 1918-1959. Calling cards, clippings, curriculum vitae, diploma, membership certificates, receipts, and subject file, arranged alphabetically by physical form
1	CORRESPONDENCE, 1943-1950 and undated. Card and letters, arranged alphabetically by correspondent
1-3	SPEECHES AND WRITINGS, 1910-1957. Articles, interviews, and scrapbook, arranged chronologically by title
4-7	CAREER FILE, 1912-1950. Business records, patents, scientific notes and subject file, arranged alphabetically by physical form
7	SUBJECT FILE, 1927-1948. Brochures and clippings, arranged alphabetically by subject
8-9	PRINTED MATTER, 1914-1951. Primarily works on refrigeration, food processing, fox breeding, and meat- and fish-packing not directly related to Zarochentsev or his work. Not filmed
10	PHOTOGRAPHS, 1929-1951. Albums and loose prints depicting Zarochentsev, frozen foods and food processing operations, places he visited and various individuals. Not filmed

CONTAINER LIST:

Box Nos	Folder Nos	Contents
1.		BIOGRAPHICAL FILE, 1918-1959. See also CAREER FILE for materials relating to Z's professional activities in this field
	1	Calling cards
	2	Clippings
	3	Curriculum vitae
	4	Diploma
	5	Membership certificates
	6	Receipts
		Subject file
		Jubilee of 1949 May 7
	7	General. Includes clippings, poems and speeches read at the jubilee celebration
	8	Correspondence, 1949-1950. Letters of congratulation
	9	Scrapbooks
	10	Voloshin, A. Correspondence and clippings relating to his conflict with Zarochentsev
		CORRESPONDENCE, 1943-1950 and undated. See also BIOGRAPHICAL FILE/Subject file for correspondence relating to Zarochentsev's jubilee and conflict with A. Voloshin
	11	General, 1943-1947 and undated
	12	Kotomkin, Aleksandr, 1949-1950
		SPEECHES AND WRITINGS, 1910-1957. See also CAREER FILE for scientific notes and business reports and promotional materials, and scientific reports and patents
		General
	13	Interviews, 1933-1950. Includes articles citing Z's words and opinions
	14	Scrapbook. Includes primarily clippings of newspaper articles and some typescripts
2.	1	Volume of Zarochentsev's pre-Revolutionary books, articles, and reports to scientific congresses. Includes <u>Kholodil'noe dielo</u> (Moscow, 1911), <u>Kholod v plodovodstvie</u> (Simferopol', 1911), <u>Ledniki</u> (Moscow, 1912), and other works
	2	"Kholodil'noe delo, ego printsipy i znachenie," n.d. Holograph
	3	"Nasha pishcha, n.d. Holograph
	4	"Tatianin den'," <u>Novaia zaria</u> , n.d. Printed copy
	5	"Tekhnika khraneniia i perevozki baraniny," and "Osnovnye voprosy kommercheskoi eksploatatsii kholodnykh skladov," <u>Trudy VI-go s'iezda po kholodil'nomu dielu v Moskvie</u> , 1913. Printed copy (includes entire conference proceedings)
3.	1	"Kholod - drug cheloveka," public lecture, 1925 October 15. Typescript. Includes advertisements and programs for the lecture from 1932 to 1951
	2	"Precooling Stations in Russia," <u>Refrigerating World</u> , 1927 October. Printed copy

3. (Contd.) SPEECHES AND WRITINGS (Contd.)
- 3 "Chilling in Bacon Factories," Ice and Cold Storage,
1927 December-1928 January. Printed copy
- 4 "Schnellkühlprozeß geschlachteter Schweine bei der
Herstellung von Bacon," Zeitschrift für Eis- und
Kälte-Industrie, 1928. Printed copy
- 5 "Congélation rapide de viande et de poisson à l'entrepôt
frigorifique de Paris-Vaugirard," Et des industries
frigorifiques, 1929 February-March. Printed copy
- 6 Between Two Oceans, 1930. Promotional leaflet
- 7 "Quick Freezing of Various Meat Cuts and Edible Offals,"
Meat Trades' Journal, 1930 April 17. Printed copy
- 8 "Rapid Chilling and Freezing of Fish and Meat in
Atomised Brine," Ice and Cold Storage, 1930 August.
Printed copy
- 9 "Latest Achievements in Rapid Freezing and Chilling
Methods," paper read before a meeting of the British
Association of Refrigeration, at the Hall of the
Institution of Mechanical Engineers, Storey's Gate,
Westminster, S.W., England, 1930 December 4. Printed
copy and abstract from proceedings
- 10 "Conservation of Fish on Trawlers," The Fish Trades
Gazette, 1931 April 25. Printed copy
- 11 "Preservation of Fish on Trawlers," The Fish Trades
Gazette, 1931 June 27. Printed copy
- 12 "Quick-Freezing Opening New Perspectives in the Fish
Industry," paper presented at the International
Fisheries Congress, Paris, France, 1931 July 20-25.
Typescript
- 13 "Dry and Wet Freezing in the Meat Industry," Ice and
Refrigeration, 1932 February. Printed copy
- 14 "Neues vom 'Z'-Schnellgefrier-Verfahren in Amerika," Die
Kälte-Industrie, 1932 November. Printed copy
- 15 "The Z Process on Packaged Food Manufacturing," Ice and
Refrigeration, 1932 November. Holograph
- 16 "Quick Freezing Abroad," letter to the editor,
Refrigeration, 1933 July. Printed copy
- 17 "Refrigeration of Fish in Newfoundland," Refrigeration,
1933 October. Printed copy
- 18 "Preservation of Poultry," Refrigerating Engineering,
1933 December. Printed copy
- 19 "Quick Freezing Poultry," The National Provisioner, 1933
December 9. Printed copy
- 20 "Fischgefrieranlage nach dem 'Z'-Verfahren," Die Kälte-
Industrie, 1934. Printed copy
- 21 "Refrigeration of Fish in Newfoundland," Cold Storage
and Produce Review, 1934 February 15. Printed copy
- 22 "Problems in Quick Freezing of Spinach," Ice and
Refrigeration, 1934 March. Printed copy
- 23 "Fish Freezing Advances in Newfoundland," Fishing
Gazette, 1934 July. Printed copy
- 24 "Old Problems in the Fishing Industry and New Ways of
Solving Them," Ice and Refrigeration, 1934 October.
Printed copy
- 25 "El Sistema 'Z' en Norteamerica," Industrias pesqueras,
1934 December 15. Printed copy
- 26 "Want to Be Van Winkle? Try Freezing Process,"
Rochester Democrat and Chronicle, 1935 August 18.
Printed copy

3. (Contd.) SPEECHES AND WRITINGS (Contd.)
- 27 "The Practical Application of Refrigeration in the Fishing Industry," Refrigeration and Air Conditioning, 1935 September. Printed copy
- 28 "The Quick Freezing and Marketing of Ducks," Ice and Refrigeration, 1936 July. Printed copy
- 29 "Advances in Quick-Freezing During Past Four Years," Distribution and Warehousing, 1936 September. Printed copy
- 30 "Four Years Progress in Quick-Freezing," Ice and Refrigeration, 1936 September. Printed copy
- 31 "Schnellgefrieranlage für Enten in Amerika," Die Kälte-Industrie, 1936 September. Printed copy
- 32 "How 'Z' Quick-Freezing Process Is Used By the Long Island Duck Industry," Refrigeration News, 1936 September 2. Printed copy
- 33 "Quick Freezing in England," Quick Frozen Foods, 1938 August 1. Printed copy
- 34 "Quick Frozen Foods for the World Armies," Quick Frozen Foods, 1938 October 15. Printed copy
- 35 "World Wide Development of Quick Freezing," Quick Frozen Foods, 1938 December 15. Printed copy
- 36 "Frosted Foods Today: Where Do We Go From Here?" Fishing Gazette, 1939 February. Printed copy
- 37 "How Quick Frozen Foods Came Into Being - And Stayed," Quick Frozen Foods, 1939 February 15. Printed copy
- 38 "The Altek System of Refrigerated Transport in Europe," Ice and Refrigeration, 1939 April-May. Printed copy
- 39 "Quick Freezing Shows Progress in Foreign Fisheries," Quick Frozen Foods, 1939 May 15. Printed copy
- 40 "Quick-Frozen Meat Supplies: Efficient Distribution for the Forces and Civilian Population," Modern Refrigeration, 1939 December 21. Printed copy
- 41 "'Flexible Froster' Experiments," American Egg and Poultry Review, 1940 March. Printed copy
- 42 "New Plan for Wartime Meat Handling," The National Provisioner, 1940 March 30. Printed copy
- 43 "Frosted Foods in the Ice and Cold Storage Industry," Ice and Refrigeration, 1941 February. Printed copy
- 44 "Sovremennoe miasnoe snabzhenie armii i naseleniia," 1941 December 2. Typescript
- 45 "Ot Labradoro do Ognennoi zemli," 1942 February 1. Typescript
- 46 "La congelación rapida en el progreso argentino," Revista argentina del frio, 1942 May-June. Printed copy
- 47 "Cutting Patagonian Lamb," Butcher's Advocate, 1942 September 9. Printed copy
- 48 "Quick Freezing Lamb in Tierra del Fuego," The National Provisioner, 1942 September 12. Printed copy
- 49 "South America Looms Big as Seafood Production Source," Fishing Gazette, 1942 November. Printed copy
- 50 "Quick Freezing," Butcher's Advocate, 1943 January 6. Printed copy
- 51 "Quick Freezing of Meats in South America," Refrigerating Engineering, 1943 August. Printed copy
- 52 "Sovremennoe polozhenie sushki pishchevykh produktov v S. Sh. Severnoi Ameriki," 1943 October 15. Typescript

3. (Contd.) SPEECHES AND WRITINGS (Contd.)
- 53 "Will Argentine Imports Spur Quick Freezing in the
 U.S.?" Meat, 1944 January. Printed copy
- 54 "Sterilization of Meat By Electronic Heating," Quick
 Frozen Foods, 1944 May-June. Printed copy
- 55 "Will Dielectric Heating Pave the Way for South American
 Meat?" Meat, 1944 December. Printed copy
- 56 "Nasha pishcha segodnia i posle voiny," Novaia zaria,
 1945 August 7-8. Printed copy
- 57 "Quality Control: A 1946 Problem," Frosted Food Field,
 1946 January. Printed copy
- 58 "Aeromobil'," Novaia zaria, 1946 January 10. Printed
 copy
- 59 "Frozen Berries in Alaska," Western Frozen Foods, 1947
 January. Printed copy
- 60 "Posledniaia para liudei na zemle," Novaia zaria, 1948
 January 23-27. Printed copy
- 61 "Fingalova peshchera," Novaia zaria, 1948 January 28.
 Printed copy. Includes English translation
- 62 "Sud'ba cheloveka," 1948 February 24. Holograph.
 Includes background materials
- 63 Fakty moei zhizni," Novaia zaria, 1949 May 18-28.
 Printed copy
- 64 "Iubilei V. G. Mamul'ian," Novaia zaria, 1949 September
 22. Printed copy
- 65 "Bud'te dobry," Novaia zaria, 1951 March 16. Printed
 copy
- 66 "Revoliutsiia na kuhne," Novaia zaria, 1957 May 7.
 Printed copy
- 67 "Desiat' zapovedei morali," Novaia zaria, 1957 June 19.
 Printed copy
4. CAREER FILE, 1912-1950. Includes scientific notes and
 business-related interviews and promotional materials
 authored by M. T. and W. M. Zarochentsev. See also
 SPEECHES AND WRITINGS for articles on refrigeration and
 food processing
- 1 General, 1935-1944. Includes articles about or
 mentioning Zarochentsev and son and their
 discoveries, inventions and business activities, and
 scientific memoranda and reports
- Business records, 1926-1950
- A/S "Külmetus." Includes reports of the general
 manager (Zarochentsev), clippings,
 correspondence, instructions, regulations, and
 price lists
- 2 Undated
- 3 1926
- 4 1927
5. 1-2 American Z Corporation, 1929-1942. Also known as
 International Z Corporation
- 3 National Frosted Foods Sales Corp., 1938-1950.
 Includes articles by Zarochentsev's son, W. M.
 Zee, correspondence, and promotional materials
- 4 Z-Pack Corporation, 1936-1938. Includes
 brochures, clippings, and promotional materials

5. (Contd.) CAREER FILE (Contd.)
 Patents, 1923-1939. Patents on methods and equipment for freezing food products, arranged alphabetically by author
- 5 A-C
 6 D-S
6. 1 T-Z
 2 Zarochentsev. Includes patents and lists of those applied for and granted, as well as diagrams of refrigeration equipment
 Scientific notes, 1931-1935 and undated
 3 General. Calculations, diagrams, notes and sketches
 4-5 "Z" Process. For its implementation and industrial use, as well as for articles about it, see American Z Corporation
7. 1 "Z" Process (Contd.)
 2-5 Subject file - Refrigeration. Includes articles by W. M. Zarochentsev and issues of Quick Frozen Foods, on whose advisory board M. T. Zarochentsev served
 SUBJECT FILE, 1927-1948
 6 Avak the Healer
 7 Communism
 8 Russkaia Pravoslavnaia Tserkov'
 9 Miscellany
- 8-9. PRINTED MATTER, 1914-1951. Primarily works on refrigeration, food processing, fox breeding, and meat- and fish-packing not directly related to Zarochentsev or his work. Not filmed
10. PHOTOGRAPHS, 1929-1951. Albums and loose prints depicting Zarochentsev, frozen foods and food processing operations, places he visited and various individuals. Not filmed
- 1 Albums
 Loose prints
 2 Zarochentsev, M. T.
 3 Altek refrigerated freight cars
 4 Frigorifico Conference, 1944
 5 Frozen foods
 6 Rio de Janeiro, Brazil
 7 Sao Paulo, Brazil
 8 Miscellany