

Series Outline

1. Scientific Research Materials, 1950-2011 undated
2. "Box Zero"
3. Biographical Materials and Photographs, 1906-2010 undated
4. Electronic Records
5. Books, 1943-2005

Detailed Description of the Collection

1. Scientific Research Materials, 1950-2011 undated (24 boxes)

Contains research notes, reports, publications, correspondence, visual aids, and patent information pertaining to battery, fuel cell, and electric/hybrid vehicle research. Includes materials created by Karl Kordesch and others involved in the development of non-petroleum based energy sources.

1. Battery Research, 1950-2010 undated (6 boxes)

Box

- 1.001 Kordesch Research Notes, Reports, and Publications, 1950-1996
 - 1.1 Kordesch research notes, reports, and publications, 1950-1991
 - 1.2 Kordesch research notes, reports, and publications, 1992-1996
 - 1.002 Kordesch Research Notes, Reports, and Publications, 1997-2010 undated
 - 2.1 Kordesch research notes, reports, and publications, 1997-2010
 - 2.2 Kordesch research notes, reports, and publications, undated
 - 1.003 Non-Kordesch Research Notes, Reports, and Publications, 1956-2005
 - 3.1 Non-Kordesch research notes, reports, and publications, 1956-1993
 - 3.2 Non-Kordesch research notes, reports, and publications, 1994-1995
 - 3.3 Non-Kordesch research notes, reports, and publications, 1996-1997
 - 3.4 Non-Kordesch research notes, reports, and publications, 1998-2005
 - 1.004 Non-Kordesch Research Notes, Reports, and Publications, undated
 - 4.1 Non-Kordesch research notes, reports, and publications, undated
 - 1.005 Assorted Informational and Promotional Materials
 - 5.1 Assorted informational and promotional materials, undated
 - 5.2 Battery Technologies, Inc. informational and promotional materials, undated
 - 1.006 Assorted Scientific Journals, 2000-2010
- #### 2. Fuel Cell Research, 1959-2007 undated (7 boxes)
- 1.007 Kordesch Research Notes, Reports, and Publications, 1959-2007
 - 7.1 Kordesch research notes, reports, and publications, 1959-1969
 - 7.2 Kordesch research notes, reports, and publications, 1970-1989
 - 7.3 Kordesch research notes, reports, and publications, 1993-2000
 - 7.4 Kordesch research notes, reports, and publications, 2001-2007
 - 1.008 Kordesch Research Notes, Reports, and Publications, undated
 - 8.1 Kordesch research notes, reports, and publications, undated
 - 1.009 Kordesch Reports to Union Carbide, 1960-1969
 - 9.1 Quarterly progress reports, 1960-1962
 - 9.2 Monthly reports, 1963-1969
 - 1.010 Non-Kordesch Research Notes, Reports, and Publications, 1958-2002
 - 10.1 Non-Kordesch research notes, reports, and publications, 1958-1970
 - 10.2 Non-Kordesch research notes, reports, and publications, 1993-1999
 - 10.3 Non-Kordesch research notes, reports, and publications, 2000-2002
 - 1.011 Non-Kordesch Research Notes, Reports, and Publications, 1967-2007 undated
 - 11.1 Non-Kordesch research notes, reports, and publications, 2003-2007
 - 11.2 Non-Kordesch research notes, reports, and publications, undated
 - 11.3 Reports from G. R. Drengler, 1967-1969
 - 1.012 Assorted Informational and Promotional Materials
 - 12.1 Assorted informational and promotional materials, undated
 - 1.013 Assorted Scientific Journals, 1963-2006
- #### 3. Electric/Hybrid Vehicle Research, 1964-2010 undated (5 boxes)
- 1.014 Kordesch Research Notes, Reports, and Publications, 1970-2007 undated
 - 14.1 Kordesch research notes, reports, and publications, 1970-2007

- 14.2 Kordesch research notes, reports, and publications, undated
- 1.015 Non-Kordesch Research Notes, Reports, and Publications, 1964-2007 undated
 - 15.1 Non-Kordesch research notes, reports, and publications, 1964-1983
 - 15.2 Non-Kordesch research notes, reports, and publications, 2000-2007
 - 15.3 Non-Kordesch research notes, reports, and publications, undated
- 1.016 Electric Auto Corporation/Apollo Energy Systems Internal Documents, 2000-2005
 - 16.1 Electric Auto Corporation/Apollo Energy Systems internal documents, 2000-2005
- 1.017 Assorted Informational and Promotional Materials
 - 17.1 Assorted informational and promotional materials, undated
 - 17.2 Materials re: The Electric Vehicle Association of Ohio, undated
- 1.018 Assorted Scientific Journals, 1992-2010
- 4. Correspondence, 1967-2011 undated (1 box)
- 1.019 Correspondence, 1967-2011 undated
 - 19.1 Correspondence re: Battery research, 1987-2010 undated
 - 19.2 Correspondence re: Fuel cell research, 1967-2010
 - 19.3 Correspondence re: Electric/hybrid vehicle research, 1967-2007 undated
 - 19.4 Assorted correspondence, 2001-2011
- 5. Diagrams, Overhead Slides, and Photographs, undated (1 box)
- 1.020 Assorted Diagrams, Overhead Transparencies, and Photographs
 - 20.1 Assorted visual aids (paper), undated
 - 20.2 Assorted visual aids (transparencies), undated
 - 20.3 Assorted visual aids (photographs), undated
- 6. Patents and Documentation of Invention, undated (1 box)
- 1.021 Patents and Documentation of Invention
 - 21.1 Batteries, undated
 - 21.2 Fuel cells, undated
 - 21.3 Assorted inventions, undated
- 7. Dissertations, 1983-2001 (1 box)
- 1.022 Dissertations: Cifrain, Donne, Ghaemi, Hacker, 1995-2001
 - 22.1 Cifrain, Martin. *Thin Carbon-based Electrodes for Alkaline Fuel Cells with Liquid Electrolyte*. [Bound], 2001
 - 22.2 Donne, S.W. *High Performance Chemically and Physically Modified Manganese Dioxide*. [Bound], 1996
 - 22.3 Ghaemi, Mehdi. *Herstellung elektroaktiver Schichten für die Anwendung in wiederaufladbaren bipolaren Braunstein-Zink-Batterien*. [1 bound, 1 unbound], 1995
 - 22.4 Hacker, Viktor. *Technologische Übergangsstrategien zur Regenerativen Energiewirtschaft: Der Einsatz von Biomasse in Kombination mit der Brennstoffzelle*. [Unbound], 1998
- 1.023 Dissertations: Haynes, Koscher, Weingartner, 1983, 1988 undated
 - 23.1 Haynes, A. "Summary of Dissertation Work." [Bound], 1988
 - 23.2 Koscher, Gerold. *Carbon-based Electrodes for Alkaline Fuel Cell Systems with Various Fuels*. [2 partial copies, 1 bound and 1 unbound], undated
 - 23.3 Weingartner, August. *Berechnungen zur Holzvergasung in der Wirbelschicht*. [Unbound], 1983
- 1.024 Dissertations: Weißenbacher, 1996 undated
 - 24.1 Weißenbacher, Manfred. *Das wiederaufladbare alkalische Zink/Braunstein-System: Neue Wege zur Verbesserung des Zykluslebens*. [2 bound copies], 1996

Box**2. "Box Zero" (1 box)**

Materials specially collected and housed by Karl Kordesch. Karl designated this group of materials as "Box Zero", indicating that they were of particular scientific and biographical value. Series includes assorted notes, reports, publications, patent information, and correspondence.

- 2.001 Contents of "Box Zero", undated
 - 1.1 Kordesch research notes, reports, and publications, undated
 - 1.2 Non-Kordesch research notes, reports, and publications, undated
 - 1.3 Assorted patents and related documents, undated
 - 1.4 Assorted documents re: WIF, undated [Documents regarding a World War II-era German flashlight manufacturer.]
 - 1.5 Assorted correspondence, undated

3. Biographical Materials and Photographs, 1906-2010 undated (10 boxes)

Biographical materials relating to members of the B hm, Colnago, Kordesch and Marko families including personal documents and photographs.

- 1. Karl Kordesch, undated (3 boxes)
 - 3.001 Biographical Materials re: Karl Kordesch
 - 1.1 Identification and citizenship, undated
 - 1.2 Military service and Operation Paperclip, undated
 - 1.3 Educational records, undated
 - 1.4 Financial records, undated
 - 1.5 Legal records, undated
 - 1.6 Medical records, undated
 - 1.7 Travel records, undated
 - 3.002 Biographical Materials re: Karl Kordesch
 - 2.1 Assorted correspondence, undated
 - 2.2 Newspaper and magazine clippings, undated
 - 2.3 Assorted professional contacts, undated
 - 2.4 Résumés and biographies, undated
 - 3.003 Biographical Materials re: Karl Kordesch
 - 3.1 Assorted keepsakes, undated
- 2. Erna Kordesch, undated (1 box)
 - 3.004 Biographical Materials re: Erna Kordesch
 - 4.1 Identification and citizenship, undated
 - 4.2 Educational records, undated
 - 4.3 Newspaper clippings, undated
 - 4.4 Personal histories, undated [Birth stories of the four Kordesch children and other events dictated by Erna Kordesch and recorded by Catherine Kordesch.]
 - 4.5 Assorted correspondence, undated
 - 4.6 Assorted keepsakes, undated
- 3. Kordesch Family, undated (1 box)
 - 3.005 Biographical Materials re: The Kordesch Family
 - 5.1 Materials re: Kordesch genealogy, undated
 - 5.2 Assorted Kordesch family postcards, undated
 - 5.3 Assorted Kordesch family keepsakes, undated
- 4. B hm/Colnago Family, undated (1 box) [Materials relating to members of the maternal (Colnago) and paternal (B hm) sides of Erna Kordesch's family.]
 - 3.006 Biographical Materials re: The B hm/Colnago Family

- 6.1 Materials re: B hm/Colnago genealogy, undated
- 6.2 Assorted B hm Family Correspondence, undated
- 6.3 Correspondence from Erna Kordesch to Bianca B hm, undated
- 6.4 Assorted correspondence to Bianca B hm, undated
- 6.5 Assorted correspondence to Erna Colnago, undated
- 6.6 Assorted B hm family keepsakes, undated
- 5. Photographs, 1900s-2000s undated (4 boxes)
- 3.007 Photographs, 1900s-2000s undated
 - 7.1 Photographs of Karl Kordesch, 1940s
 - 7.2 Photographs of Karl Kordesch, 1950s
 - 7.3 Photographs of Karl Kordesch, 1970s
 - 7.4 Photographs of Karl Kordesch, 1990s
 - 7.5 Photographs of Karl Kordesch, 2000s
 - 7.6 Photographs of Erna Kordesch, 1930s
 - 7.7 Photographs of Erna Kordesch, 1940s
 - 7.8 Photographs of Erna Kordesch, 1950s
 - 7.9 Photographs of Erna Kordesch, 1990s
 - 7.10 Photographs of Erna Kordesch, 2000s
 - 7.11 Photographs of Karl and Erna Kordesch, 1940s
 - 7.12 Photographs of Karl and Erna Kordesch, 1970s
 - 7.13 Photographs of Karl and Erna Kordesch, 1980s
 - 7.14 Photographs of Karl and Erna Kordesch, 1990s
 - 7.15 Photographs of Karl and Erna Kordesch, 2000s
 - 7.16 Photographs of the Kordesch family, 1940s
 - 7.17 Photographs of the Kordesch family, 1950s
 - 7.18 Photographs of the Kordesch family, 1960s
 - 7.19 Photographs of the Kordesch family, 1970s
 - 7.20 Photographs of the Kordesch family, 1990s
 - 7.21 Photographs of the Kordesch family, 2000s
 - 7.22 Photographs of the B hm/Colnago family, 1900s
 - 7.23 Photographs of the B hm/Colnago family, 1910s
 - 7.24 Photographs of the B hm/Colnago family, 1920s
 - 7.25 Photographs of the B hm/Colnago family, 1930s
 - 7.26 Photographs of the B hm/Colnago family, 1940s
 - 7.27 Photographs of the B hm/Colnago family, 2000s
 - 7.28 Photographs of the Marko family, undated
 - 7.29 Assorted photographs, 1910s
 - 7.30 Assorted photographs, 1920s
 - 7.31 Assorted photographs, 1930s
 - 7.32 Assorted photographs, 1940s
 - 7.33 Assorted photographs, 1950s
 - 7.34 Assorted photographs, 1960s
 - 7.35 Assorted photographs, 1980s
 - 7.36 Assorted photographs, 1990s
 - 7.37 Assorted photographs, 2000s
- 3.008 Photo Albums, 1926-2002
 - 8.1 B hm family photo album, 1926-1932
 - 8.2 Kordesch Engagement Book/Photo Album, 1940s
 - 8.3 Karl Kordesch's 80th birthday celebration, 2002
- 3.009 Photo Albums, 1977
 - 9.1 Union Carbide retirement celebration, 1977
- 3.010 Assorted Slides and Photographic Negatives, undated

4. Electronic Records (1 box 11 gigabytes)

Preservation copies of electronic records including research data, publications, photographs, personal records, video interviews, and correspondence and physical storage media including flash memory drives, Secure Digital memory cards, compact discs, and floppy disks containing original Kordesch documents. Preservation copies of all electronic records are available onsite for researcher use. Additional processing is forthcoming.

1. Digital Media Storage Devices, undated (1 box) [Storage devices containing Kordesch electronic records in original state and order.]

- 4.001 Digital Media Storage Devices
- 1.1 11 USB flash drives (assorted capacity), undated
 - 1.2 2 Secure Digital memory cards, undated
 - 1.3 9 compact discs, undated
 - 1.4 1 3.5-inch floppy disk, undated

5. Books, 1943-2005 (19 volumes)

Volumes from Karl Kordesch's personal library.

- Blomen, Leo, ed. *Fuel Cell 2000 Proceedings*. Switzerland: European Fuel Cell Forum, 2000., 2000
- Bockris, John O'M., T. Nejat Veziro lu and Debbie Smith. *Solar Hydrogen Energy: The Power to Save the Earth*. London: Macdonald & Co., 1991., 1991
- D'Ans, Jean and Ellen Lax, eds. *Taschenbuch für Chemiker und Physiker*. Berlin: Springer/Verlag, 1943., 1943
- Fuel Cell Seminar Organizing Committee. *1998 Fuel Cell Seminar Abstracts*. 1996., 1996
- Fuel Cell Seminar Organizing Committee. *October 2000 Fuel Cell Seminar Abstracts*. 2000. 1996., 1996
- Fuel Cell Seminar Organizing Committee. *November 2003 Fuel Cell Seminar Abstracts*. 2003. 1996., 1996
- Fuel Cell Seminar Organizing Committee. *2005 Fuel Cell Seminar Abstracts*. 2005. 1996., 1996
- Gutmann, G. *Electrochemical Engineering: Elektrochemische Raktoren, Energiespeicher und Energiewandler..* Germany: Universitätsverlag Ulm GmbH, 1996., 1996
- Himy, Albert *Silver-Zinc Battery: Phenomena, Design Principles, Manufacturing and Various Topics*. College Park, MD: University Press, 2003., 2003
- Journal of Power Sources*. Vol. 51, Nos. 1-2. eds. Dyer, C. K., D. A. J. Rand, and P.T. Moseley, 1994., 1994
- Kordesch, Karl. "The Electric Automobile" . *Alternative Energy Sources for the Steel Industry: Proceedings of the Sixth C. C. Furnas Memorial Conference*. ed. Julian Szekely. New York: Marcel Dekker, 1977., 1977
- Kordesch, Karl and Günter Simader. *Fuel Cells and Their Applications*. Weinheim, Germany: VCH, 1996., 1996
- Kordesch, Karl. *Brennstoffbatterien*. Wien, Austria: Springer-Verlag, 1984., 1984
- Kratzl, Karl. *Die Kritik der Unreinen Vernunft: Eine Kantige Angelegenheit in 200 Karikaturen und Anekdoten*. Wien, Austria: A. Riegelnik, 1995., 1995
- National Fuel Cell Coordinating Group. *1982 National Fuel Cell Seminar Abstracts*. 1982., 1982
- Rand, D. A. J., R. Woods, & R. M. Dell. *Batteries for Electric Vehicles*. Somerset, England: Research Studies Press Ltd., 1998., 1998
- Schwabe, Ina, ed. *Batterien und Ladekonzepte*. Munich, Germany: Design & Elektronik, 1997., 1997
- Trumbore, Forrest A. & Dennis R. Turner. *The Electrochemical Society: 1902-2002: A Centennial History*. Pennington, NJ: ECS, 2002., 2002
- Westbrook, Michael H. *The Electric Car: Development and future of battery, hybrid and fuel-cell cars*. London: IET, 2001., 2001