

Novara-Expedition

Die **Novara-Expedition** (1857–59) war die erste und einzige groß angelegte Weltumsegelungsmision der Österreichischen Kriegsmarine. Weltweit bekannt wurde sie durch die später als Bestseller in mehreren Sprachen veröffentlichten Berichte über die wissenschaftliche Ausbeute der Reise.

Reisegeschichte

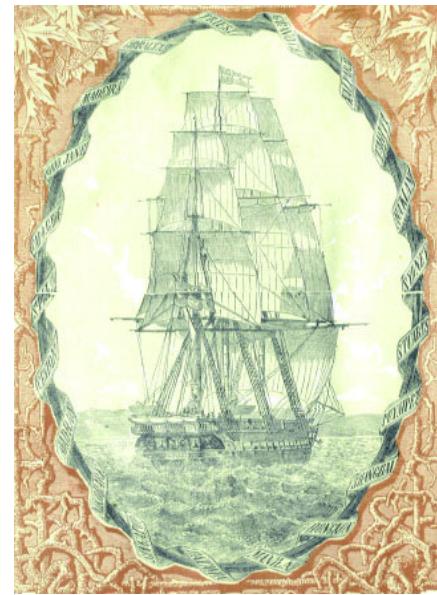
Die Reise wurde von der schweren Fregatte *Novara* unter dem Kommando von Kommodore Bernhard von Wüllerstorf-Urbair durchgeführt, welche man zu diesem Zweck umgebaut hatte. Die unter anderem auch von der Kaiserlichen Akademie der Wissenschaften in Wien vorbereitete und von Fachgelehrten wie dem Geologen Ferdinand von Hochstetter und dem Zoologen Georg von Frauenfeld begleitete Forschungsreise zeigte international beachtete Resultate.^[1] Die Expedition war auch die erste Weltumsegelung eines deutschsprachig geführten Schiffes.

Die Fregatte verließ Triest 30. April 1857, wurde zunächst wegen Flaute bis an die Straße von Messina geschleppt und segelte danach über Gibraltar, Madeira, Rio de Janeiro zum Kap der Guten Hoffnung. Im Indischen Ozean besuchte die Expedition vom 19. November bis 6. Dezember 1857 die Inseln St. Paul und Amsterdam. Es ging dann weiter über Ceylon und Madras nach Singapur. Nächste Stationen der Reise waren Java, Manila, Hongkong, Shanghai und die Salomon-Inseln. Am 5. November 1858 war Ankunft in Sydney, von wo aus Auckland und Tahiti angelaufen wurden. Die Rückreise führte über Valparaíso und um das Kap Hoorn noch zu den Azoren. Am 26. August 1859, nachdem an 551 Tagen unter Segel 51.686 Seemeilen zurückgelegt worden waren, lief die *Novara* nach der Weltumrundung wieder in Triest ein.^[2]

Erstmalige Untersuchungen, insbesondere auf der Sankt-Paul-Insel, den Nikobaren und auf Neuseeland schufen die Grundlagen für künftige geologische Forschungen. Erste geologische Kartierungen und Lagerstättenuntersuchungen durch Hochstetter, der bis zum Oktober 1859 in Neuseeland blieb, gaben den Startpunkt für die intensive geowissenschaftliche Erforschung dieses Landes. Hochstetter trennte sich dadurch von der Expedition, was zwischen dem Gouverneur George Edward Grey und dem Expeditionsleiter vereinbart wurde, und reiste später nach einer Erkundung australischer Goldfelder im Januar 1860 allein nach Europa zurück.^[3]

Die meereskundlichen Forschungen, insbesondere im südlichen Pazifik, revolutionierten die Ozeanographie und Hydrographie. Die mitgebrachten Sammlungen an botanischem, zoologischem (26.000 Präparate) und völkerkundlichem Material bereicherten die österreichischen Museen (insbes. das Naturhistorische Museum). Die während des ganzen Expeditionsverlaufes gemachten erdmagnetischen Beobachtungen vermehrten die wissenschaftlichen Kenntnisse auf diesem Gebiet entscheidend. Schließlich ermöglichte es die Mitnahme von Blättern des Cocastrauchs 1860, Kokain erstmals rein darzustellen.

Die wissenschaftlichen Resultate der Reise wurden in einem 21-bändigen Werk der Wiener Akademie der Wissenschaften, *Reise der österreichischen Fregatte Novara um die Erde* (1861–1876) veröffentlicht, dessen erster



Titelbild des ersten Expeditionsberichts, 1861



150 Jahre Weltumsegelung SMS Novara,
Festveranstaltung der Kuffner-Sternwarte Wien
nach einem Kirchergemälde – 2009

Teil einer Beschreibung der Reise (3 Bände, herausgegeben von Karl von Scherzer 1861–1862), illustriert mit vielen Holzschnitten, war. Unter gleichem Titel erschien auch eine gekürzte zweibändige „Volksausgabe“, die binnen eines Jahres vergriffen war. Darüber hinaus wurden Ergebnisse in den *Sitzungsberichten der Kaiserlichen Akademie der Wissenschaften* veröffentlicht.

Bislang kaum beschrieben wurde der brisante politische Hintergrund der Reise, die allfällige Kolonialisierung der damals in dänischem Besitz befindlichen Nikobaren. Dieser Aspekt wurde in den einschlägigen Publikationen nach erheblichen Umwälzungen in der Monarchie weitgehend ausgeblendet. Erst das 2010 erschienene Buch befasst sich ausführlich damit.^[4]

Das wissenschaftliche Reisewerk

- *Beschreibender Teil:* (Karl von Scherzer, anonym) Reise der Oesterreichischen Fregatte Novara um die Erde, in den Jahren 1857-1859 unter den Befehlen des Commodore B. von Wüllersdorf-Urbair. 3 Bände. Wien, 1861, 1862.
- *Nautisch-Physikalischer Theil:* Geographische Ortsbestimmungen und Flutbeobachtungen.– Magnetische Beobachtungen. 1 Band. Wien 1862-65
- *Statistisch-commerzieller Theil:* 2 Bände. Wien 1864, 1865 (2. verb. Aufl. in 1 Bd. Leipzig, Wien, Brockhaus 1867)
- *Zoologischer Theil:* 6 Bände
 - 1. Band: Wirbeltiere: J. Zelebor, Säugetiere; August von Pelzeln, Vögel; F. Steindachner, Reptilien; F. Steindachner, Amphibien; Rudolf Kner, Fische. Wien 1867-1869
 - 2. Band: Entomologie. L. Redtenbacher, Coleopteren; H. de Saussure, Hymenoptera; G.L. Mayr, Formicidae ; F. Brauer, Neuropteren. Wien 1868
 - 3. Band: J.R. Schiner, Diptera; G. L. Mayr, Hemiptera. Wien 1868
 - 4. Band: C. Heller, Crustaceen; E. Grube, Anneliden; Georg von Frauenfeld, Mollusken.
 - 5. Band: C. Felder, Rhopalocera.
 - 6. Band: C. Felder, Lepidoptera.
- *Botanischer Theil:* 1. Band (mehr nicht erschienen): Sporenfarnen: A. Grunow, Algae; A. von Krempelhuber, Lichenes; H. W. Reichardt, Fungi, Hepaticae et Musci Frondosi; G. Mettenius, Cryptogamae Vasculares; Julius Milde, Ophioglossaceae und Equisetaceae. Wien 1870
- *Medizinischer Theil:* 1. Band (mehr nicht erschienen) v. Eduard Schwarz, Wien 1861
- *Anthropologischer Theil:* 3 Bände
 - 1. Band: E. Zuckerkandl, Cranien. Wien 1875
 - 2. Band: A. Weisbach, Körpermessungen. Wien 1867
 - 3. Band: Friedrich Müller: Ethnographie. Wien 1868
- *Linguistischer Theil:* 1 Band. Friedrich Müller, Wien 1867.
- *Geologischer Theil:* 2 Bände.
 - 1. Band: Geologischer Teil. Ferdinand von Hochstetter. Wien 1864 (Digitalisat^[5])
 - 2. Band: Paläontologischer Teil herausgegeben von F. von Hochstetter, Moritz Höernes and Franz Ritter von Hauer. Wien 1865

Museale Rezeption

Die Novara-Expedition stellt die erste Weltumsegelung eines österreichischen Kriegsschiffes dar und ist daher im Marinesaal des Wiener Heeresgeschichtlichen Museum dokumentiert, u. a. durch Aquarellstudien des Malers Joseph Sellény, der an der Reise teilnahm und unzählige Eindrücke in Aquarellstudien festhielt. Weiters ist ein Modell der *SMS Novara* im Maßstab 1:75 ausgestellt.^[6]

Literatur

- Renate Basch-Ritter: *Die Weltumsegelung der Novara 1857-1859. Österreich auf allen Meeren.* Akademische Druck- und Verlags-Anstalt, Graz 2008, ISBN 978-3-201-01904-0.
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- Karl Scherzer: *Die Weltumsegelung der „Novara“ 1857–59.* Herausgegeben, bearbeitet und kommentiert von Günter Treffer. Molden, Wien u. a. 1973, ISBN 3-217-00543-0.
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- Friedrich Wallisch: *Sein Schiff hieß Novara.* Bernhard von Wüllerstorff, Admiral und Minister. Herold, Wien 1966.

Weblinks

- Hochstetter Ferdinand: *Die Erdumsegelung der Fregatte „Novara“^[7]*, Gesammelte Reise-Berichte, Graz 1885 (alo austrian literature online)
- Publikationen wissenschaftlicher Ergebnisse der Novara-Expedition^[8]
- The Austrian Frigate SMS Novara and the Novara Scientific Expedition of 1857–1859 including its visit to Australia 1858^[9] (Englisch)

Einelnachweise

- [1] Bloß **diese beiden** Wissenschaftler durften von der Akademie nominiert werden. Die übrigen fünf wurden über politische Kanäle bestellt.
- [2] Lit. Weiss/Schildorfer S. 49 zitiert die Einleitung zu Scherzers Arbeit, verfasst vom Commodore der Expedition, 1861.
- [3] Albert Schedl, Thomas Hofmann (Red.): "Grenzenlos". *Forschungen von Mitarbeitern der Geologischen Reichsanstalt / Bundesanstalt außerhalb Europas.* Berichte der Geol. Bundesanstalt Nr. 62, Wien 2005, S. 37-40
- [4] Lit. Weiss/Schildorfer, 2010.
- [5] <http://digital.slub-dresden.de/id352862556>
- [6] Manfried Rauchensteiner, Manfred Litscher (Hg.): *Das Heeresgeschichtliche Museum in Wien.* Graz, Wien 2000 S. 32.
- [7] http://www.literature.at/webinterface/library/ALO-BOOK_V01?objid=12821&zoom=6
- [8] <http://www.archive.org/search.php?query=Novara%20AND%20collection%3Abiodiversity>
- [9] <http://www.uow.edu.au/~morgan/novara.htm>

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