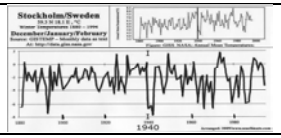
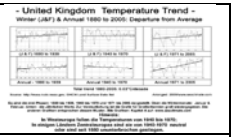
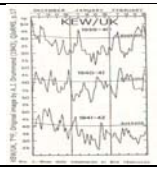
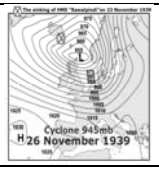
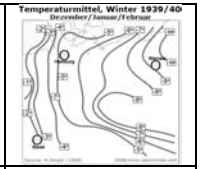
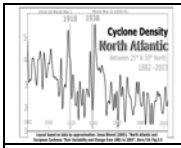
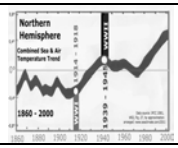
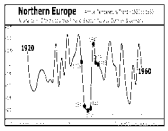
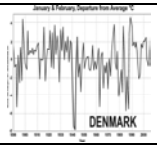
L. Index – Bildmaterial

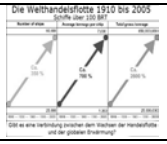
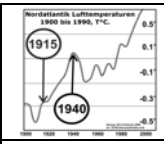
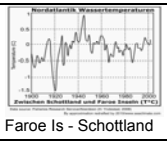
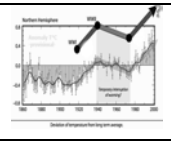
Abkürzungen: T = Temperaturen; NA = Nordatlantik; NH =Nördliche Hemisphäre, SST = Seewassertemperaturen

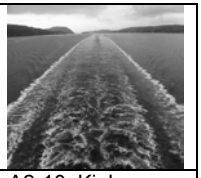
A. Ein- und Anleitung zum Klimamachen

A1. Der Zweite Weltkrieg und die Kälte		
S.1-2	A1-1; Stockholm Winter-temperaturen (DJF).	A1-2; Temperatur Trend 1880-2005

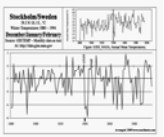
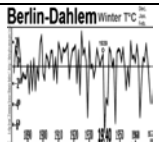
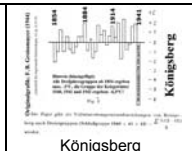
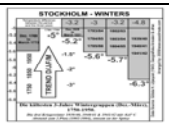
A2. Von Experten, die Kriege übersehen.		Temperatur Trend in den Ländern IRE DE BY F AT RO DK SW FI NL CH UKR		
S. 3-8	A2-1; Kew/UK Winter 40/41/42	A2a bis A2k	A3-3; Wetter 26. Nov.1939	A2-4; Winter DE 1939/40

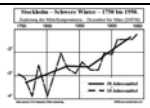
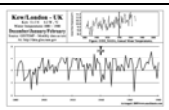
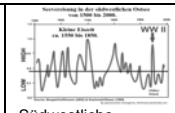
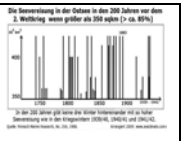
	**A3. Wie der Mensch Klima macht - seit 160 Jahren.**			
A2-5; NA Zyklonenaktivität	**S. 9-18**	A3-1; Nördl. Hemisphere T	A3-2; Nordeuropa	A3-3 Jan/Feb Dänemark

			 Faroe Is - Schottland	
A3-4; Meer-Dimension	A3-5; Handels-flotte	A3-6; Temp. Nordatlantik	A3-7; WasserT 1900-2000	A3-8; NH T-Trend

	
A2-9; Kielwasser	A2-10; Kielwasser

B. Drei aufeinanderfolgende Kaltwinter - Ein Beweis?

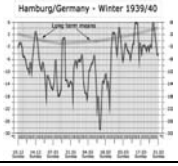
B. Drei aufeinander-folgende Kaltwinter - Ein Beweis?			 Königsberg	 Stockholm
S. 19-28	B-1; Stockholm Winter T.	B-2; B-Dahlem, Winter T.	B-3; 3-J.-Mittel 1854 bis 1942	B-4; 1940-42 Stockholm

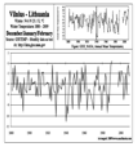
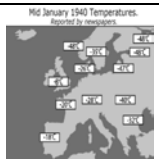
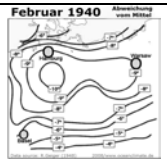
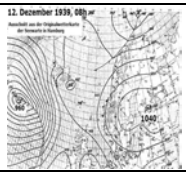
 Stockholm		 Kew-Obs / England	 Südwestliche – Ostsee	
B-5; Wärme Trend seit 1750	B-6; Abw. Süd-Norwegen	B-7; Winter T.	B-8; Seeeis 1500 bis 2000	B-9; Ostsee-Eis, 1750 bis 1942

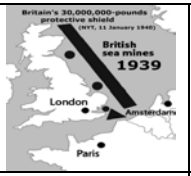
3 Kaltwinter Gruppe		3 Kaltwinter Gruppe	
B-10a; Maritime vs Kontinent	B-10b; Inland Stationen	B-11a; Drei See-städte	B-11b; T°C Abweichungen

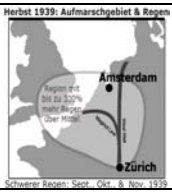
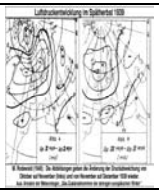
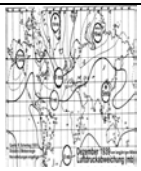
C. Winter 1939/40

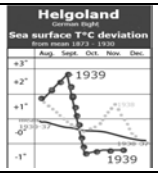
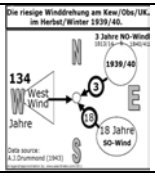
C1. Unwissen bringt die Kleine Eiszeit nach Europa zurück.				
S. 29-32	C1-1; Kriegs-schiff In Fahrt	C1-2; Aktivitäten Herbst 1939	C1-3; Wirkung Wasserbombe	C1-4; Potsdam Winter T, 1890+

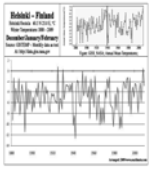
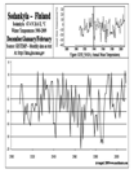
	
C1-5; Hamburg Winter 1939/40	C1-6; DE-Polen Tiefst-Temp.

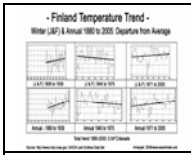
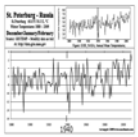
C2. Rekorde, Rekorde, Rekorde – Einführung in das Unerwartete				
S. 33-36	C2-1; Wilna/ Vilnius	C2-2; Jan.T 1940, Europa	C2-3; Feb.1940	C2-4; Wetter, 12.Dez.1939

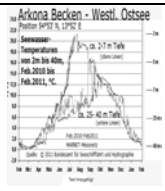
C3. Seekrieg 1939 – Fakten und Ereignisse				
S. 37-40	C3-1 Schlachtschiff	C3-2; Seeminen Großbritannien	C3-3, Seemine explodiert	C3-4 Seeminen Deutsche Bucht

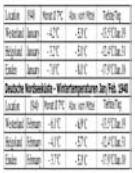
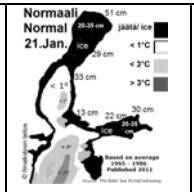
C4. Heulte der Himmel wegen des Krieges? Regen, trocken, kalt!			
S. 41-48	C4-1; Regen-gebiet W-Europa	C4-2; Luftdruck Herbst 1939	C4-3; Luft-druck Dez.1939

C5. Wurde die Westwinddrift vom Land- und Seekrieg blockiert?				
S. 49- 54	C5_1; Zyklon September 1939	C5-2; WasserT Helgoland	C5-3; Wind Oktober 1939	C5-4; Wind S-England

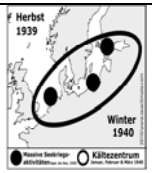
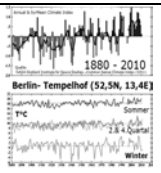
C6. Attacke auf das Wetter: der „Winterkrieg“ Russland ./. Finnland				
S. 55-58	C6-1; T- Helsinki	C6-2; Krieg, 30. Nov.1939	C6-3; Helsinki DJF seit 1880	C6-4, DJF-T, Sodankyla

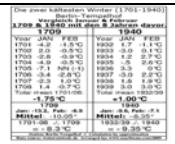
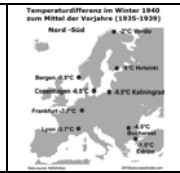
	
C6-5, Finnland T-Trend	C4-5 DJF-T St. Petersburg

C7 Die Ostsee-vereisung beweist es.				
S. 59-68	C7-1, 8. März 1940	C7-2; Ostsee Bezeichnungen	C7-3; WasserT Arkona-Becken	C7-4; Eis DE-Küste

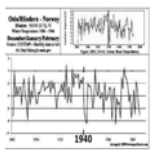
				
C7-5; Eis 13.Feb.1940	C7-6; DE-Küste T-Jan/Feb.1940	C7-7; Mittlere Eisentwicklung	C7-8 26. Jan. 1940	C7-9 09.Februar1940

C7-10 16.Februar1940	C7-11, 15. März 1940	C7-12 12. April 1940

C8. Die Kaltschneise über Zentraleuropa – Von London über Berlin gen Osten				
S. 69-76	C8-1, Seekrieg Herbst 1939	C8-2; Nordsee Ströme & Salz	C8-3; Nordsee Wasser-T	C8-4; Berlin 1880-2010

				**C9. Zum 1. Kriegswinter abschließend**
C8-5; Berlin Kaltwinter	C8-6, Berlin 1709 vs 1940	C8-7; West-Ost Kaltschneise	C8-8; Nord-Süd Kaltschneise	**S. 77-80**

D. Der Winter 1940/41

Abschnitte a. bis g.				
S. 81-90	D-1; Oslo T°C Winter	D-2; Überfall auf Norwegen	D-3; Flotte in Fjord	D-4; Seegefecht 08. Juni 41

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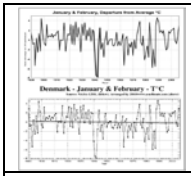
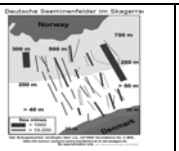
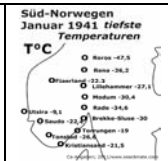
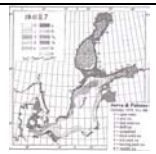
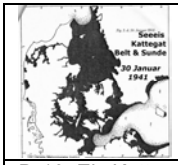
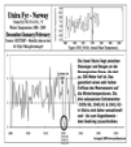
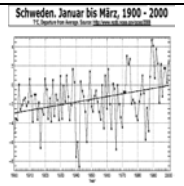
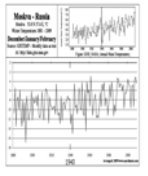
				
D-5; Dänemark T°C Jan/Feb	D-6; Deutsche Minensperren	D-7; Tiefste T°C Norw. Jan41	D-8, Eis Ostsee 7. Feb.42	D-9; Eis Ostsee 11. April 41

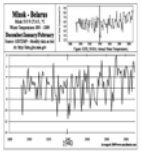
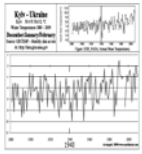
Reihe oben: Seite

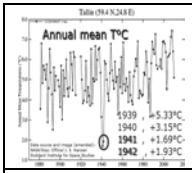
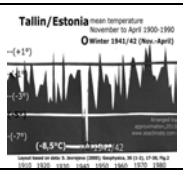
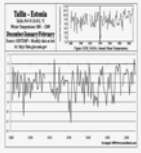
			
D-10; Eis Katteg 30.Jan.42	D-11; Eis Katteg 13. März 41	D-12; Utsira DJF 1880- 1958	D-13; Zentrum Skagerrak

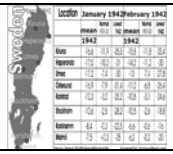
E. Der Kriegswinter 1941/42

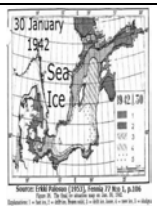
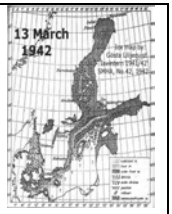
E1. Hat der Seekrieg eine Niederlage Russlands verhinderte				
S. 91-96	E1-1 Ostfront 22. Juni 1941	E1-2 Truppen-stärke	E1-3; Schweden T°C Jan-Mär.42	E1-4; Moskau DJF, 1880-2010

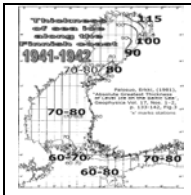
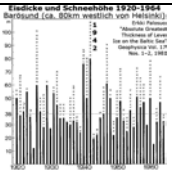
	Kattegat Eiskarten wie E1-5 für: 2. Feb 14.Feb 27.Feb 14. & 30. März 12. Apr		**E2. Unternehmen „Barbarossa“ und als Appendix der Krieg in der Ostsee**	 Auszug aus NYT 11.Jan.42
E1-5; Eis Kattegat 21. Jan. 42	E1-6a bis 6g		**S. 97-100**	E2-1

E3. Das Wetter macht Front gegen die Ostfront im Herbst 1941				
S. 101-104	E3-1, Ostsee Herbst 1941	E3-2, Ostsee Herbst 1941	E3-3, Minsk DJT, 1890-2099	E3-4, Kiew DJF, 1880-2009

		
E3-5, Tallinn Jahres T°C	E3-6, Tallinn Nov-Apr. T°C	E3-7, Tallinn DJF

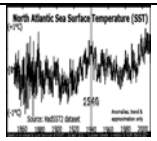
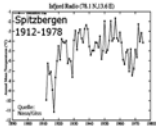
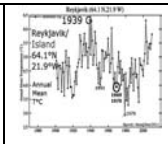
E4 Das Winterwetter in Europa 1941/42				
S. 105-108	E4-1, England Schnee 40-42	E4-2, Ostsee 6-Mon.Kälte	E4-3, Schweden T°C Stationen	E4-4 Stockholm Rekord-Jahre

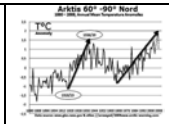
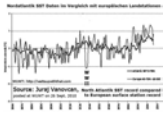
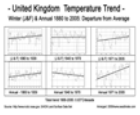
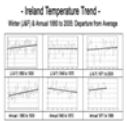
E5. Welche Beweise bietet die Ostsee-vereisung an?				
S. 109-112	E5_1, Kattegat Eis 02. Feb. 1942	E5_2, Ostsee 30. Jan. 1942	E5-3; Ostsee 11. Feb.1942	E5-4, Ostsee 13. März 42

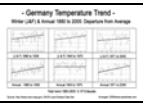
		**E6 Zusammen-fassung: Klimaforschung mit Winter 1941/42 leicht gemacht**	**F. Fehlende Fakten. Fehlende Begründung. El Niño machte keinen extrem kalten Winter.**	
E5-5, Bottn-Meer Eisdicke 1942	E5-6; S-Finnland Eisdicke & S.	**S. 113-114**	**S. 115-120**	F-1; El Niño

F. Fehlende Fakten. Fehlende Begründung. El Niño machte keinen extrem kalten Winter

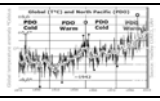
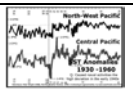
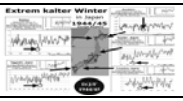
G. Abkühlung durch den Atlantik von 1940 bis 1970?

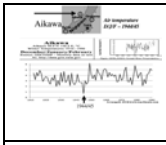
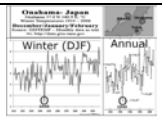
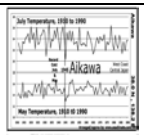
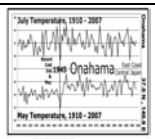
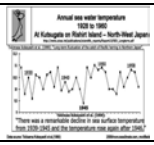
G1. Drei Dekaden Kühlung ungeklärt				**G2. Was bedeutete die Schlacht im Atlantik für das Seegebiet?**
S. 121-126	G1-1; SST Nordatlantik	G1-2; T°C Jahr Spitzbergen	G1-2; T°C Jahr Reykjavik	**S. 127-130**

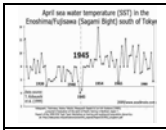
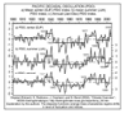
G3. Der Anstoß zur globalen Abkühlung				
S. 131-134	G3-1; T°C Arktis 1880-2008	G3-2; Vergl. NA & Europa	G3-3; T°C Trend England	G3-4 T°C Trend Irland

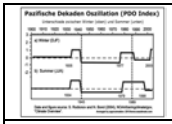
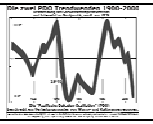
		
G3-5; T°C Deutschland	G3-6; T°C Ukraine	G3-3; Div. NA Stationen T°C

H. Der Beitrag des Pazifikkriegs zur Abkühlung

Abschnitte a-i				
S. 135-144	H1; PDO Trend	H-2, SST	H-3; Ströme	H-4; Div. Stationen

				
H-5; T°C, DJF Aikawa	H-6; T°C, DJF Onahama	H-7, Aikawa Mai , &Juli	H-8; Onahama Mai & Juli	H-9; SST, NW Japan

				
H-10; SST, SO Tokio, April	H-11	H-12	H-13	H-14a; PDO Analyse

	
H-14b; PDO Analyse	H-15; PDO

I. Die Erwärmung vor der Abkühlung – Die Spur zum 1. Weltkrieg

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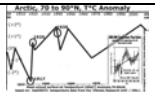
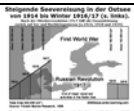
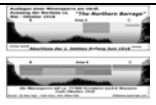
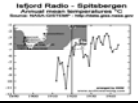
Abschnitte a-e				
S. 145-156	I-1; Arktis 1900-2000	I-2; Spitzbergen Jahreszeiten	I-3a bis I-3d Mar/Apr/Mai/Juli	I-4; Ostseeeis 1914 bis 1919

				
I-5; Wasserbombe	I-6; Seeminen Nordsee	I-7 Sperre Nordsee	I-8; T°C Jahr Spitzbergen	I-9; Arktis, T°C Anstieg 1921-30

J. Ergebnis (S. 157 - 158)

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Überblick zu früheren Ausarbeitungen und Links:

____ Bernaerts, Arnd (1988), Reprint (2005); „Bernaerts' Guide to the Law of the Sea', Coulsdon/UK (1988) bei: TRAFFORD Publication Victoria,BC/Kanada (2005).
____Bernaerts, Arnd, (1992); 'Voraussetzungen für den globalen Klimaschutz aus der Sicht eines Nautikers und Juristen", Verein der Freunde und Foerderer des GKSS-Forschungszentrums Geesthacht e.V. : ISSN 0934-9804. Seiten 42. (Auch: www.ozeanklima.de, linke Spalte "GKSS Vortrag 1992").
____Bernaerts, Arnd (1992), 'Climate Change', Letter to Editor, in Nature, Vol. 360, 1992, p. 292. (www.oceanclimate.de, Previous Essays).
____Bernaerts, Arnd (1994); "Legal means for understanding the marine and climate change issue", in: Thomas A. Mensah (ed), "Ocean Governance: Strategies and Approaches for the 21st Century", Proceedings The Law of the Sea Institute, 28th Conference, Hawaii, 1994, pp. 156 – 180. (www.oceanclimate.de, Previous Essays).
____Bernaerts, Arnd (1997); 'Reliability of sea-surface temperature data taken during wartime in the Pacific', presented at Symposium on Resource Development, August 8-9, 1997, Hong Kong, in: PACON 97 Proceedings, pp. 240-250. (www.oceanclimate.de, Previous Essays).
____Bernaerts, Arnd (1997); "Could the Black Sea serve as model case for progress in ocean observing, assessment and legal developments?", published by Verein der Freunde und Foerderer des GKSS-Forschungszentrums Geesthacht e.V.; ISSN 0934-9804, 1997; Pages 58. (www.oceanclimate.de, Previous Essays).
____Bernaerts, Arnd (1998); "How useful are Atlantic sea-surface temperature measurements taken during World War II", paper submitted at the Oceanology International 1998 Conference, "The Global Ocean", 10-13 March 1998, Brighton/UK; published in Conference Proceedings Vol. 1, p. 121-130. (www.oceanclimate.de, Previous Essays).
____Bernaerts, Arnd (2005); "Climate Change & Naval War", Trafford/CA, Seiten 325. http://www.seaclimate.com/ & http://climate-ocean.com/
____Bernaerts, Arnd (2008); " Ein Großversuch in Klimasachen – Der Extrem-Winter 1939/40 und die Klimaforschung"; http://www.ozeanklima.de/ , linke Spalte, ca. 15 Seiten.
____Bernaerts, Arnd (2009); "Arctic Heats Up – Spitsbergen 1919-1939", Bloomington/USA, sowie: "How Spitsbergen heats the world", Norderstedt bei Hamburg http://www.arctic-heats-up.com/ , http://www.arctic-warming.com/, ca. 107 Seiten

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Vorträge 2010:

(A) National Conference on "Climate Change and Future Security", January 08 & 09, 2010 LOYOLA INSTITUTE OF FRONTIER ENERGY, Loyola College, Chennai/India

- Did the North Atlantic play a role in the tumultuous weather conditions and the Indian drought in 1918?

(B)) Pacific Congress on Marine Science & Technology (PACON) 22nd International Conference, 1-5 June 2010, University of Hawai`i at Hilo, Hilo, Hawai`i USA

- The Arctic European winters 1939/40 to 1941/42 caused by naval war? How to substantiate?
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Hinweis:

Das Buch soll ab ca. April 2012 online zugänglich gemacht werden mit weiteren Grafiken, die meisten in Farbe. Einzelheiten auf

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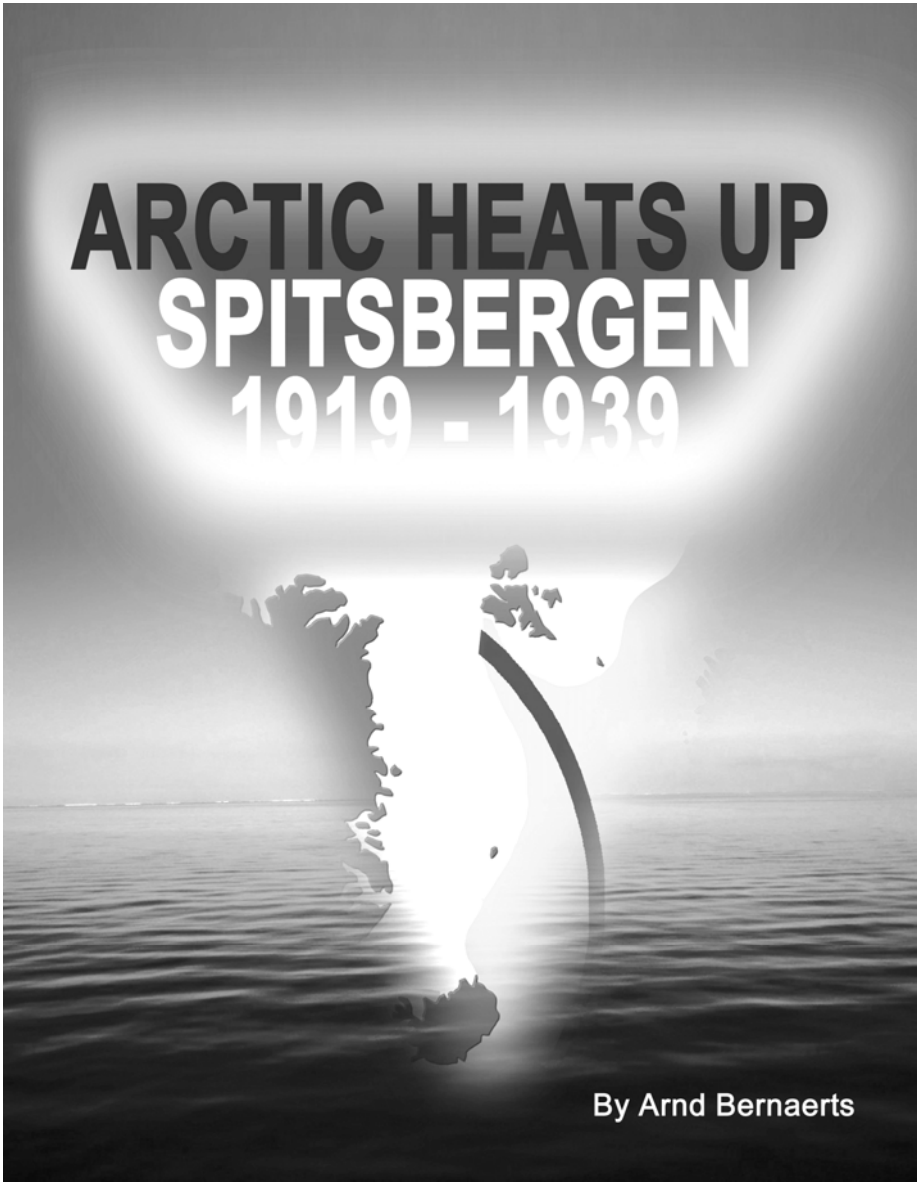

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Annex F - Air Temp.(Jan - Feb)

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Bernaerts' Guide to the 1982 United Nations Convention on the Law of the Sea

-The site presents the Guide only, while the reprint of the edition 1988 includes the text of the 1982 UN Convention & Agreement Concerning Part XI of 1994 -

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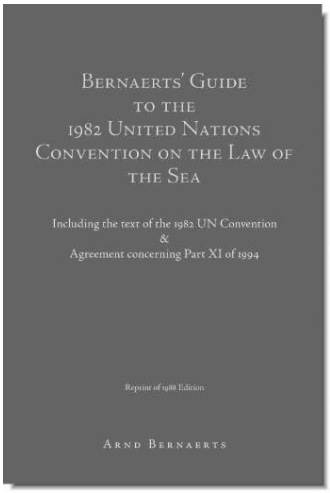

TRAFFORD Publishing, Victoria / BC / Canada
www.trafford.com

329 pages; ISBN 1-4120-7665-x